

ENGINEERING TOMORROW

Datasheets

# Danfoss Reciprocating compressors **MT / MTZ / NTZ**



FRCC.UD.180316.101040

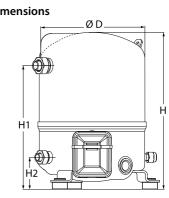
#### Datasheet, technical data

## Maneurop reciprocating compressor, MT018-4

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#### **General Characteristics**

Model number (on compressor nameplate)		MT18JA4BVE		
Code number for Singlepack*		MT18-4VI		
Code number for Industrial pack**		MT18-4VM		
Drawing number		8501024e		
Suction and discharge connections		Rotolock		
Suction connection		1 " Rotolock		
Discharge connection		1 " Rotolock		
Suction connection with supplied sleeve		1/2 " ODF		
Discharge connection with supplied sleeve		3/8 " ODF		
Oil sight glass		Threaded		
Oil equalisation connection		3/8" flare SAE		
Oil drain connection		None		
LP gauge port		Schrader		
IPR valve		None		
Cylinders		I		
Swept volume	30.23 c	m3/rev		
Displacement @ Nominal speed	5.3 m3/h @ 2900 rpm ·	- 6.3 m3/h @ 3500 rpm		
Net weight	21	kg		
Oil charge	0.95 litre, Mi	ineral - 160P		
Maximum system test pressure Low Side / High side	25 bar(g) /	/ 30 bar(g)		
Maximum differential test pressure	30	bar		
Maximum number of starts per hour	1	2		
Refrigerant charge limit	3 kg			
Approved refrigerants	R22, R417A-160PZ			



D=224 mm H=333 mm H1=263 mm H2=68 mm H3=- mm

#### **Electrical Characteristics**

Nominal voltage	380-400V/3/50Hz - 460V/3/60Hz			
Voltage range	340-440 V @ 50Hz - 414-506 V @ 60Hz			
Winding resistance (between phases) +/- 7% at 25°C	9.37 Ω			
Maximum Continuous Current (MCC)	5 A			
Locked Rotor Amps (LRA)	20 A			
Motor protection	Internal overload protector			

#### **Recommended Installation torques**

Oil sight glass	50 Nm
Power connections / Earth connection	2 Nm / 2 Nm
Mounting bolts	15 Nm

#### Parts shipped with compressor

Mounting kit with grommets, bolts, nuts, sleeves and washers

Suction & Discharge solder sleeves, rotolock nuts and gaskets (shipped with rotolock version only) Initial oil charge

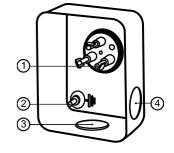
Installation instructions

Approvals : CE certified, UL certified (file SA6873), CCC certified

\*Singlepack: Compressor in cardboard box

\*\*Industrial pack: 12 Unboxed compressors on pallet (order per multiples of 12)

**Terminal box** 



IP55 (with cable gland)

- 1: Spade connectors 1/4"
  - Earth M4-12

2:

- 3: Knock-out Ø 21 mm (0.83")
- 4: Hole Ø 21 mm (0.83")



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#### Datasheet, accessories and spare parts

Maneurop reciprocating compressor, MT018-4

Rotolock accessories, suction side	Code no.	
Solder sleeve, P06 (1" Rotolock, 1/2" ODF)	8153007	
Angle adapter, C06 (1" Rotolock, 1/2" ODF)	8168007	
Rotolock valve, V06 (1" Rotolock, 1/2" ODF)	8168031	Gaskets, sleeves and nuts
Gasket, 1"	8156130	
Detaladu accession discharge side	Cadana	
Rotolock accessories, discharge side	Code no.	
Solder sleeve, P01 (1" Rotolock, 3/8" ODF)	8153010	
Angle adapter, C01 (1" Rotolock, 3/8" ODF)	8168004	
Rotolock valve, V01 (1" Rotolock, 3/8" ODF)	8168027	
Gasket, 1"	8156130	1 2 3
Rotolock accessories, sets	Code no.	1: Gasket
Angle adapter set, C06 (1"~1/2"), C01 (1"~3/8")	7703011	2: Solder sleeve
Valve set, V06 (1"~1/2"), V01 (1"~3/8")	7703004	3: Rotolock nut
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009	
Oil / lubricants	Code no.	
Mineral oil, 160P, 2 litre can	7754001	
Mineral oil, 160P, 5 litre can	7754002	
Crankcase heaters	Code no.	Mounting kit
	120Z0459	
PTC heater 27W,CE mark, UL		1
Belt type crankcase heater, 54 W, 230 V, CE mark, UL	7773106	2
Belt type crankcase heater, 54 W, 400 V, UL	7773013	3
Miscellaneous accessories	Code no.	
Electronic soft start kit, MCl 15 C	7705006	
Acoustic hood for 1 cylinder compressor	120Z0575	
Oil equalisation nut	8153127	
	0.0012/	
Spare parts	Code no.	
Mounting kit for 1 and 2 cylinder compressor, including 3 grommets, 3 bolts	8156001	
Oil sight glass with gaskets (black & white)	8156019	1: Bolt (3x)
Gasket for oil sight glass (black chloroprene)	8156145	2: Lock washer (3x)
Service kit for terminal box 80 x 96 mm, including 1 cover, 1 clamp	8156134	3: Flat washer (3x)
		4: Sleeve (3x)
		5: Grommet (3x)

5: Grommet (3x) 6: Nut (3x)



#### Maneurop reciprocating compressor. MT018-4

#### Performance data at 50 Hz, EN 12900 rating conditions

Cond. temp. in		<u>г</u>		1	ating temperatu			1 1	
°C (tc)	-25	-20	-15	-10	-5	0	5	10	15
Cooling capacity		<u>т         т</u>			r			1 1	
30	800	1 169	1 639	2 226	2 947	3 819	4 858	6 081	7 504
35	700	1 049	1 493	2 049	2 731	3 558	4 546	5 711	7 070
40	611	936	1 350	1 870	2 510	3 288	4 221	5 324	6 615
45	532	830	1 211	1 690	2 284	3 010	3 884	4 921	6 140
50	-	733	1 076	1 512	2 056	2 725	3 536	4 504	5 646
55	-	-	947	1 335	1 825	2 434	3 178	4 073	5 135
60	-	-	-	1 161	1 594	2 138	2 812	3 629	4 608
65	-	-	-	-	1 362	1 839	2 438	3 175	4 065
Power input in W		1			1			1	
30	587	691	789	876	950	1 005	1 037	1 043	1 018
35	610	719	823	918	1 000	1 066	1 111	1 130	1 120
40	629	743	855	959	1 051	1 128	1 186	1 220	1 226
45	644	765	884	997	1 101	1 191	1 262	1 312	1 334
50	-	782	910	1 034	1 150	1 253	1 340	1 406	1 446
55	-	-	933	1 069	1 197	1 315	1 418	1 501	1 561
60	-	-	-	1 100	1 243	1 376	1 495	1 597	1 677
65	-	-	-	-	1 285	1 435	1 573	1 694	1 795
Current consump	otion in A	1						1	
30	1.97	2.03	2.10	2.17	2.23	2.28	2.31	2.31	2.28
35	1.98	2.05	2.13	2.20	2.27	2.33	2.37	2.39	2.38
40	2.00	2.07	2.15	2.24	2.32	2.39	2.45	2.49	2.50
45	2.01	2.09	2.18	2.27	2.36	2.45	2.53	2.58	2.62
50	-	2.10	2.20	2.31	2.41	2.52	2.61	2.69	2.74
55	-	-	2.22	2.34	2.46	2.59	2.70	2.80	2.88
60	-	-	-	2.37	2.51	2.65	2.79	2.92	3.02
65	-	-	-	-	2.56	2.72	2.88	3.04	3.17
Mass flow in kg/h	l								
30	18	25	35	47	61	78	98	121	148
35	16	24	33	45	59	76	95	118	145
40	14	22	31	42	56	73	92	115	141
45	13	20	29	40	53	69	88	111	137
50	-	19	27	37	50	66	84	106	131
55	-	-	25	35	47	62	79	100	125
60	-	-	-	32	43	57	74	94	118
65	-	-	-	-	39	52	68	87	110
Coefficient of per	formance (C.C	D.P.)							
30	1.36	1.69	2.08	2.54	3.10	3.80	4.68	5.83	7.37
35	1.15	1.46	1.82	2.23	2.73	3.34	4.09	5.05	6.31
40	0.97	1.26	1.58	1.95	2.39	2.91	3.56	4.37	5.40
45	0.83	1.09	1.37	1.69	2.07	2.53	3.08	3.75	4.60
50	-	0.94	1.18	1.46	1.79	2.17	2.64	3.20	3.90
55	-	-	1.01	1.25	1.52	1.85	2.24	2.71	3.29
60	-	-	-	1.06	1.28	1.55	1.88	2.27	2.75
65	_	-	-	-	1.20	1.28	1.55	1.87	2.73
	-	-	-	-	1.00	1.20	1.00	1.07	2.21
ominal perform	ance at to = 5	°C, tc = 50 °C				Pressure switch s	ettinas		
Cooling capacity		3 536	W			Maximum HP swite	-	27.9	bar(g)
Power input		1 340	W			Minimum LP switch	•	0.7	bar(g)
Current consumpti	ion	2.61	A			LP pump down set	ting	0.9	bar(g)
Mass flow		84	kg/h						
C.O.P.		2.64				Sound power data			15 ( 1 )
						Sound power level		70	dB(A) dB(A)
<ul> <li>Evaporating ter</li> </ul>						With accoustic hoo	d	62	

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

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**R22** 

#### Maneurop reciprocating compressor. MT018-4

#### of 50 Line A Di rotio Dorf 4-4-4:4:

Performanc	e data at 5	0 Hz, ARI ratii	ng conditio	ons					R22
Cond. temp. in				Evapora	ating temperatur	re in °C (to)			
°C (tc)	-25	-20	-15	-10	-5	0	5	10	15
Cooling capacity									
30	849	1 240	1 738	2 359	3 121	4 041	5 137	6 425	7 924
35	746	1 117	1 589	2 178	2 901	3 777	4 822	6 053	7 488
40	653	1 001	1 442	1 995	2 676	3 503	4 493	5 663	7 030
45	572	892	1 299	1 812	2 446	3 220	4 151	5 255	6 551
50	-	791	1 160	1 628	2 212	2 929	3 796	4 831	6 052
55	-	-	1 027	1 446	1 975	2 631	3 431	4 392	5 532
60	-	-	-	1 266	1 736	2 326	3 055	3 939	4 995
65	-	-	-	-	1 496	2 017	2 670	3 472	4 440
Power input in V	v								
30	587	691	789	876	950	1 005	1 037	1 043	1 018
35	610	719	823	918	1 000	1 066	1 111	1 130	1 120
40	629	743	855	959	1 051	1 128	1 186	1 220	1 226
45	644	765	884	997	1 101	1 191	1 262	1 312	1 334
50	-	782	910	1 034	1 150	1 253	1 340	1 406	1 446
55	-	-	933	1 069	1 197	1 315	1 418	1 501	1 561
60	-	-	-	1 100	1 243	1 376	1 495	1 597	1 677
65	-	-	-	-	1 285	1 435	1 573	1 694	1 795
Current consum	•	0.00	0.40	0.17	0.00	0.00	0.04	0.04	0.00
30	1.97	2.03	2.10	2.17	2.23	2.28	2.31	2.31	2.28
35	1.98	2.05	2.13	2.20	2.27	2.33	2.37	2.39	2.38
40	2.00	2.07	2.15	2.24	2.32	2.39	2.45	2.49	2.50
45	2.01	2.09	2.18	2.27	2.36	2.45	2.53	2.58	2.62
50	-	2.10	2.20	2.31	2.41	2.52	2.61	2.69	2.74
55	-	-	2.22	2.34	2.46	2.59	2.70	2.80	2.88
60 65	-	-	-	2.37	2.51 2.56	2.65	2.79 2.88	2.92 3.04	3.02 3.17
05	-	-	-	-	2.50	2.12	2.00	3.04	5.17
Mass flow in kg/	h								
30	17	25	35	47	61	78	98	121	148
35	16	23	33	44	58	75	95	118	144
40	14	22	31	42	56	72	92	114	141
45	13	20	29	40	53	69	88	110	136
50	-	19	27	37	50	65	84	105	130
55	-	-	25	35	47	61	79	100	124
60	-	-	-	32	43	57	74	94	117
65	-	-	-	-	39	52	68	87	109
Coefficient of pe	rformanco (C )								
30	1.45	1.80	2.20	2.69	3.29	4.02	4.95	6.16	7.78
35	1.10	1.55	1.93	2.37	2.90	3.54	4.34	5.36	6.69
40	1.04	1.35	1.69	2.08	2.55	3.11	3.79	4.64	5.74
45	0.89	1.17	1.60	1.82	2.22	2.70	3.29	4.01	4.91
50	-	1.01	1.47	1.57	1.92	2.34	2.83	3.44	4.18
55	-	-	1.10	1.35	1.65	2.00	2.42	2.93	3.54
60	-		-	1.15	1.40	1.69	2.04	2.47	2.98
65	-	-	-	-	1.40	1.09	1.70	2.47	2.90
		I							
	nance at to = 7.	<u>.2 °C, tc = 54.4 °C</u>	101			Pressure switch			
Cooling capacity Power input		3 881 1 447	W W			Maximum HP swite Minimum LP swite		27.9 0.7	bar(g)
Power input Current consump	tion	2.73	A			LP pump down se		0.7	bar(g) bar(g)
Mass flow		88	kg/h					0.0	201(9)
C.O.P.		2.68	-			Sound power da			
						Sound power leve		70	dB(A)

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Tolerance according EN12900

With accoustic hood

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dB(A)



#### Maneurop reciprocating compressor. MT018-4

#### Performance data at 60 Hz, EN 12900 rating conditions

| °C (tc)       -25         Cooling capacity in W       30       960         35       840         40       733         45       639         50       -         60       -         65       -         Power input in W         30       704         35       732         40       755         45       772         50       -         60       -         65       -         60       -         65       -         60       -         65       -         60       -         65       -         60       -         65       -         60       -         65       -         60       -         55       -         60       -         55       -         60       -         55       -         60       -         65       -         Mass flow in kg/h       30         35       19  
   
   
   | 892<br>918<br>938<br>-<br>-<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07   | -15<br>1 967<br>1 792<br>1 621<br>1 453<br>1 291<br>1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-<br>-     | -10<br>2 671<br>2 458<br>2 243<br>2 028<br>1 814<br>1 602<br>1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 1241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37<br>- | -5<br>3 537<br>3 278<br>3 012<br>2 741<br>2 467<br>2 190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46<br>2.51   | 0<br>4 583<br>4 270<br>3 946<br>3 612<br>3 270<br>2 921<br>2 566<br>2 207<br>1 206<br>1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.59<br>2.65   | 5<br>5 830<br>5 455<br>5 065<br>4 660<br>4 243<br>3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70<br>2.79   | 10         7 297         6 853         6 389         5 905         5 404         4 887         4 355         3 810         1 252         1 356         1 463         1 574         1 687         1 801         1 917         2 033         2.31         2.39         2.49         2.58         2.69         2.80         2.92 | 15<br>9 005<br>8 484<br>7 938<br>7 368<br>6 775<br>6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88<br>2.92 |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
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       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
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| 30         960           35         840           40         733           45         639           50         -           55         -           60         -           65         -           90wer input in W         30           30         704           35         732           40         755           45         772           50         -           60         -           65         -           200         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           65         -           40         2.0           45         19           40         17 <td< th=""><th>1 259<br/>1 123<br/>997<br/>879<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</th><th>1 792<br/>1 621<br/>1 453<br/>1 291<br/>1 136<br/>-<br/>-<br/>946<br/>987<br/>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</th><th>2 458<br/>2 243<br/>2 028<br/>1 814<br/>1 602<br/>1 393<br/>-<br/>1 052<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</th><th>3 278<br/>3 012<br/>2 741<br/>2 467<br/>2 190<br/>1 912<br/>1 634<br/>1 140<br/>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</th><th>4 270         3 946         3 612         3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59</th><th>5 455<br/>5 065<br/>4 660<br/>4 243<br/>3 813<br/>3 374<br/>2 926<br/>1 245<br/>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</th><th>6 853<br/>6 389<br/>5 905<br/>5 404<br/>4 887<br/>4 355<br/>3 810<br/>1 252<br/>1 356<br/>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</th><th>8 484<br/>7 938<br/>7 368<br/>6 775<br/>6 162<br/>5 529<br/>4 878<br/>1 222<br/>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</th></td<>  
   
   
   | 1 259<br>1 123<br>997<br>879<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 1 792<br>1 621<br>1 453<br>1 291<br>1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-                          | 2 458<br>2 243<br>2 028<br>1 814<br>1 602<br>1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37              | 3 278<br>3 012<br>2 741<br>2 467<br>2 190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 4 270         3 946         3 612         3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59 | 5 455<br>5 065<br>4 660<br>4 243<br>3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 6 853<br>6 389<br>5 905<br>5 404<br>4 887<br>4 355<br>3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 8 484<br>7 938<br>7 368<br>6 775<br>6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88                                 |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 30         960           35         840           40         733           45         639           50         -           55         -           60         -           65         -           90wer input in W         30           30         704           35         732           40         755           45         772           50         -           60         -           65         -           200         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           35         19 <tr< td=""><td>1 259<br/>1 123<br/>997<br/>879<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>1 792<br/>1 621<br/>1 453<br/>1 291<br/>1 136<br/>-<br/>-<br/>946<br/>987<br/>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>2 458<br/>2 243<br/>2 028<br/>1 814<br/>1 602<br/>1 393<br/>-<br/>1 052<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>3 278<br/>3 012<br/>2 741<br/>2 467<br/>2 190<br/>1 912<br/>1 634<br/>1 140<br/>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>4 270         3 946         3 612         3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59</td><td>5 455<br/>5 065<br/>4 660<br/>4 243<br/>3 813<br/>3 374<br/>2 926<br/>1 245<br/>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>6 853<br/>6 389<br/>5 905<br/>5 404<br/>4 887<br/>4 355<br/>3 810<br/>1 252<br/>1 356<br/>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>8 484<br/>7 938<br/>7 368<br/>6 775<br/>6 162<br/>5 529<br/>4 878<br/>1 222<br/>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr<>   
   
   
   | 1 259<br>1 123<br>997<br>879<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 1 792<br>1 621<br>1 453<br>1 291<br>1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-                          | 2 458<br>2 243<br>2 028<br>1 814<br>1 602<br>1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37              | 3 278<br>3 012<br>2 741<br>2 467<br>2 190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 4 270         3 946         3 612         3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59 | 5 455<br>5 065<br>4 660<br>4 243<br>3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 6 853<br>6 389<br>5 905<br>5 404<br>4 887<br>4 355<br>3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 8 484<br>7 938<br>7 368<br>6 775<br>6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88                                 |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 35     840       40     733       45     639       50     -       55     -       60     -       65     - <b>Power input in W</b> 30     704       35     732       40     755       40     755       45     772       50     -       55     -       60     -       55     -       60     -       65     -       200     45       30     1.97       35     1.98       40     2.00       45     2.01       50     -       60     -       65     -       40     2.00       45     2.01       50     -       60     -       65     -       40     2.00       45     1.9       40     2.01       50     -       60     -       65     -       40     17       45     16       50     -       55     -       60     -       55<  
   
   
   | 1 259<br>1 123<br>997<br>879<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 1 792<br>1 621<br>1 453<br>1 291<br>1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-                          | 2 458<br>2 243<br>2 028<br>1 814<br>1 602<br>1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37              | 3 278<br>3 012<br>2 741<br>2 467<br>2 190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 4 270         3 946         3 612         3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59 | 5 455<br>5 065<br>4 660<br>4 243<br>3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 6 853<br>6 389<br>5 905<br>5 404<br>4 887<br>4 355<br>3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 8 484<br>7 938<br>7 368<br>6 775<br>6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88                                 |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 40         733           45         639           50         -           55         -           60         -           65         - <b>Power input in W</b> 30         704           35         732           40         755           45         772           50         -           55         -           60         -           55         -           60         -           55         -           60         -           65         -           200         -           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -  
   
   
   | 1 123<br>997<br>879<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                                 | 1 621<br>1 453<br>1 291<br>1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-                                   | 2 243<br>2 028<br>1 814<br>1 602<br>1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 1241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37                      | 3 012<br>2 741<br>2 467<br>2 190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 3 946         3 612         3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59               | 5 065<br>4 660<br>4 243<br>3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 6 389<br>5 905<br>5 404<br>4 887<br>4 355<br>3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 7 938<br>7 368<br>6 775<br>6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 45       639         50       -         55       -         60       -         65       -         Power input in W         30       704         35       732         40       755         45       772         50       -         55       -         60       -         65       -         200       -         55       -         60       -         65       -         Current consumption in A         30       1.97         35       1.98         40       2.00         45       2.01         50       -         55       -         60       -         55       -         60       -         55       -         60       -         65       -         Mass flow in kg/h         30       21         35       19         40       17         45       16 <tr td="">       50         55<!--</td--><td>997<br/>879<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>1 453<br/>1 291<br/>1 136<br/>-<br/>-<br/>946<br/>987<br/>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>2 028<br/>1 814<br/>1 602<br/>1 393<br/>-<br/>1 052<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 1241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>2 741<br/>2 467<br/>2 190<br/>1 912<br/>1 634<br/>1 140<br/>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>3 612         3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59</td><td>4 660<br/>4 243<br/>3 813<br/>3 374<br/>2 926<br/>1 245<br/>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>5 905         5 404         4 887         4 355         3 810         1 252         1 356         1 463         1 574         1 687         1 801         1 917         2 033         2.31         2.39         2.49         2.58         2.69         2.80</td><td>7 368<br/>6 775<br/>6 162<br/>5 529<br/>4 878<br/>1 222<br/>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>50         -           55         -           60         -           65         -           Power input in W         30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -</td><td>879<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>1 291<br/>1 136<br/>-<br/>-<br/>946<br/>987<br/>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 814<br/>1 602<br/>1 393<br/>-<br/>1 052<br/>1 1052<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 1241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>2 467<br/>2 190<br/>1 912<br/>1 634<br/>1 140<br/>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59</td><td>4 243<br/>3 813<br/>3 374<br/>2 926<br/>1 245<br/>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>5 404<br/>4 887<br/>4 355<br/>3 810<br/>1 252<br/>1 356<br/>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>6 775<br/>6 162<br/>5 529<br/>4 878<br/>1 222<br/>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>55         -           60         -           65         -           Power input in W         30         704           30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           200         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -           55         -</td><td></td><td>1 136<br/>-<br/>-<br/>946<br/>987<br/>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 602<br/>1 393<br/>-<br/>1 052<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 1241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>2 190<br/>1 912<br/>1 634<br/>1 140<br/>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>2 921<br/>2 566<br/>2 207<br/>1 206<br/>1 279<br/>1 354<br/>1 429<br/>1 504<br/>1 578<br/>1 651<br/>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>3 813<br/>3 374<br/>2 926<br/>1 245<br/>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>4 887<br/>4 355<br/>3 810<br/>1 252<br/>1 356<br/>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>6 162<br/>5 529<br/>4 878<br/>1 222<br/>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>60         -           65         -           Power input in W         30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -           55         -</td><td>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>1 393<br/>-<br/>1 052<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 102<br/>1 1241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 912<br/>1 634<br/>1 140<br/>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>2 566<br/>2 207<br/>1 206<br/>1 279<br/>1 354<br/>1 429<br/>1 504<br/>1 578<br/>1 651<br/>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>3 374<br/>2 926<br/>1 245<br/>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>4 355<br/>3 810<br/>1 252<br/>1 356<br/>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>5 529<br/>4 878<br/>1 222<br/>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>65         -           Power input in W         30         704           30         704         35         732           40         755         772           50         -         55         -           60         -         65         -           60         -         65         -           200         -         -         55         -           60         -         -         65         -           201         30         1.97         35         1.98           40         2.00         45         2.01         -           50         -         -         -         -           60         -         -         -         -           55         -         -         60         -           65         -         -         -         -           60         -         -         -         -           65         -         -         -         -           40         17         45         16         -           50         -         -         -         -</td><td></td><td>-<br/>946<br/>987<br/>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>-<br/>1 052<br/>1 102<br/>1 150<br/>1 197<br/>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 634<br/>1 140<br/>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1
542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>2 207<br/>1 206<br/>1 279<br/>1 354<br/>1 429<br/>1 504<br/>1 578<br/>1 651<br/>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>2 926<br/>1 245<br/>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>3 810<br/>1 252<br/>1 356<br/>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>4 878<br/>1 222<br/>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>65         -           Power input in W         30         704           30         704         35         732           40         755         772           50         -         55         -           60         -         65         -           60         -         65         -           200         -         -         55         -           60         -         -         65         -           201         30         1.97         35         1.98           40         2.00         45         2.01         -           50         -         -         -         -           60         -         -         -         -           55         -         -         60         -           65         -         -         -         -           60         -         -         -         -           65         -         -         -         -           40         17         45         16         -           50         -         -         -         -</td><td>829<br/>862<br/>918<br/>938<br/>-<br/>-<br/>-<br/>-<br/>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>946<br/>987<br/>1 026<br/>1 061<br/>1 1092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>-<br/>1 052<br/>1 102<br/>1 150<br/>1 197<br/>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 634<br/>1 140<br/>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>2 207<br/>1 206<br/>1 279<br/>1 354<br/>1 429<br/>1 504<br/>1 578<br/>1 651<br/>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>2 926<br/>1 245<br/>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>3 810<br/>1 252<br/>1 356<br/>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>4 878<br/>1 222<br/>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           40         2.00           45         2.01           50         -           60         -           65         -           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         -</td><td>862<br/>892<br/>918<br/>938<br/>-<br/>-<br/>-<br/>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>987<br/>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 102<br/>1 150<br/>1 197<br/>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>1 279<br/>1 354<br/>1 429<br/>1 504<br/>1 578<br/>1 651<br/>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>1 356<br/>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           35         1.9           40         2.1           35         1.9           40         2.1           35         1.9           40         1.7           45         1.6           50         -           55         1.9           40         1.7           45         1.6           50         -           55         -           55         -</td><td>862<br/>892<br/>918<br/>938<br/>-<br/>-<br/>-<br/>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>987<br/>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 102<br/>1 150<br/>1 197<br/>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>1 279<br/>1 354<br/>1 429<br/>1 504<br/>1 578<br/>1 651<br/>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>1 356<br/>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>35         732           40         755           45         772           50         -           55         -           60         -           65         -           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         -           30         21           35         19           40         17           45         16           50         -           55         -</td><td>862<br/>892<br/>918<br/>938<br/>-<br/>-<br/>-<br/>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>987<br/>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 102<br/>1 150<br/>1 197<br/>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 201<br/>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>1 279<br/>1 354<br/>1 429<br/>1 504<br/>1 578<br/>1 651<br/>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>1 333<br/>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>1 356<br/>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>1 344<br/>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>35         732           40         755           45         772           50         -           55         -           60         -           65         -           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         -           30         21           35         19           40         17           45         16           50         -           55         -</td><td>892<br/>918<br/>938<br/>-<br/>-<br/>-<br/>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 150<br/>1 197<br/>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59</td><td>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>40         755           45         772           50         -           55         -           60         -           65         -           200         -           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55        
-</td><td>892<br/>918<br/>938<br/>-<br/>-<br/>-<br/>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>1 026<br/>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 150<br/>1 197<br/>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 261<br/>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59</td><td>1 423<br/>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>1 463<br/>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>1 471<br/>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>45         772           50         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         -           30         21           35         19           40         17           45         16           50         -</td><td>918<br/>938<br/>-<br/>-<br/>-<br/>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>1 061<br/>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 197<br/>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 321<br/>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>1 429<br/>1 504<br/>1 578<br/>1 651<br/>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>1 515<br/>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>1 574<br/>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>1 601<br/>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>50         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         1           30         21           35         19           40         17           45         16           50         -           55         -</td><td>938<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>1 092<br/>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 241<br/>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 380<br/>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>1 504<br/>1 578<br/>1 651<br/>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>1 608<br/>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>1 687<br/>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>1 736<br/>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>55         -           60         -           65         -           current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         1</td><td>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>1 119<br/>-<br/>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 282<br/>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 437<br/>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>1 578           1 651           1 722           2.28           2.33           2.39           2.45           2.52           2.59</td><td>1 701<br/>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>1 801<br/>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>1 873<br/>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>60         -           65         -           surrent consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         1           885 flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         -</td><td>-<br/>-<br/>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>1 320<br/>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 491<br/>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>1 651<br/>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>1 795<br/>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>1 917<br/>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>2 012<br/>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>65         -           current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -</td><td>-<br/>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>-<br/>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>-<br/>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>1 542<br/>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>1 722<br/>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>1 887<br/>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>2 033<br/>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>2 154<br/>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -</td><td>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>2.10<br/>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>2.17<br/>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>2.23<br/>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>2.28<br/>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>2.31<br/>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>2.31<br/>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>2.28<br/>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -</td><td>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -</td><td>2.03<br/>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -</td><td>2.05<br/>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>2.13<br/>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>2.20<br/>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>2.27<br/>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>2.33<br/>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>2.37<br/>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>2.39<br/>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>2.38<br/>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>40         2.00           45         2.01           50         -          
55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -</td><td>2.07<br/>2.09<br/>2.10<br/>-<br/>-</td><td>2.15<br/>2.18<br/>2.20<br/>2.22<br/>-</td><td>2.24<br/>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>2.32<br/>2.36<br/>2.41<br/>2.46</td><td>2.39<br/>2.45<br/>2.52<br/>2.59</td><td>2.45<br/>2.53<br/>2.61<br/>2.70</td><td>2.49<br/>2.58<br/>2.69<br/>2.80</td><td>2.50<br/>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         -</td><td>2.09<br/>2.10<br/>-<br/>-</td><td>2.18<br/>2.20<br/>2.22<br/>-</td><td>2.27<br/>2.31<br/>2.34<br/>2.37</td><td>2.36<br/>2.41<br/>2.46</td><td>2.45<br/>2.52<br/>2.59</td><td>2.53<br/>2.61<br/>2.70</td><td>2.58<br/>2.69<br/>2.80</td><td>2.62<br/>2.74<br/>2.88</td></tr> <tr><td>50         -           55         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         -</td><td>2.10<br/>-<br/>-</td><td>2.20<br/>2.22<br/>-</td><td>2.31<br/>2.34<br/>2.37</td><td>2.41<br/>2.46</td><td>2.52<br/>2.59</td><td>2.61<br/>2.70</td><td>2.69<br/>2.80</td><td>2.74<br/>2.88</td></tr> <tr><td>55         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         -</td><td></td><td>2.22</td><td>2.34<br/>2.37</td><td>2.46</td><td>2.59</td><td>2.70</td><td>2.80</td><td>2.88</td></tr> <tr><td>60         -           65         -           Mass flow in kg/h         21           30         21           35         19           40         17           45         16           50         -           55         -</td><td>-</td><td>-</td><td>2.37</td><td>1</td><td></td><td></td><td>-</td><td></td></tr> <tr><td>65         -           Mass flow in kg/h         21           30         21           35         19           40         17           45         16           50         -           55         -</td><td></td><td></td><td></td><td>2.51</td><td>2.65</td><td>2.79</td><td>2.92</td><td>2 0 0</td></tr> <tr><td>Mass flow in kg/h           30         21           35         19           40         17           45         16           50         -           55         -</td><td>-</td><td>-</td><td>-</td><td></td><td></td><td></td><td></td><td>3.02</td></tr> <tr><td>30         21           35         19           40         17           45         16           50         -           55         -</td><td></td><td></td><td></td><td>2.56</td><td>2.72</td><td>2.88</td><td>3.04</td><td>3.17</td></tr> <tr><td>30         21           35         19           40         17           45         16           50         -           55         -</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>35         19           40         17           45         16           50         -           55         -</td><td></td><td>1</td><td>T</td><td>T</td><td></td><td>r</td><td>1 1</td><td></td></tr> <tr><td>40         17           45         16           50         -           55         -</td><td>30</td><td>42</td><td>56</td><td>73</td><td>94</td><td>118</td><td>146</td><td>178</td></tr> <tr><td>45         16           50         -           55         -</td><td>28</td><td>40</td><td>54</td><td>71</td><td>91</td><td>114</td><td>142</td><td>174</td></tr> <tr><td>50 -<br/>55 -</td><td>26</td><td>37</td><td>51</td><td>67</td><td>87</td><td>111</td><td>138</td><td>170</td></tr> <tr><td>55 -</td><td>24</td><td>35</td><td>48</td><td>64</td><td>83</td><td>106</td><td>133</td><td>164</td></tr> <tr><td></td><td>23</td><td>33</td><td>45</td><td>60</td><td>79</td><td>101</td><td>127</td><td>157</td></tr> <tr><td>- 60</td><td>-</td><td>30</td><td>42</td><td>56</td><td>74</td><td>95</td><td>120</td><td>150</td></tr> <tr><td></td><td>-</td><td>-</td><td>38</td><td>52</td><td>68</td><td>89</td><td>113</td><td>141</td></tr> <tr><td>65 -</td><td>-</td><td>-</td><td>-</td><td>47</td><td>63</td><td>82</td><td>105</td><td>132</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Coefficient of performance</td><td>e (C.O.P.)</td><td>1</td><td>1</td><td>1</td><td></td><td>1</td><td>· · · · ·</td><td></td></tr> <tr><td>30 1.36</td><td>1.69</td><td>2.08</td><td>2.54</td><td>3.10</td><td>3.80</td><td>4.68</td><td>5.83</td><td>7.37</td></tr> <tr><td>35 1.15</td><td>1.46</td><td>1.82</td><td>2.23</td><td>2.73</td><td>3.34</td><td>4.09</td><td>5.05</td><td>6.31</td></tr> <tr><td>40 0.97</td><td>1.26</td><td>1.58</td><td>1.95</td><td>2.39</td><td>2.91</td><td>3.56</td><td>4.37</td><td>5.40</td></tr> <tr><td>45 0.83</td><td>1.09</td><td>1.37</td><td>1.69</td><td>2.07</td><td>2.53</td><td>3.08</td><td>3.75</td><td>4.60</td></tr> <tr><td>- 50</td><td>0.94</td><td>1.18</td><td>1.46</td><td>1.79</td><td>2.17</td><td>2.64</td><td>3.20</td><td>3.90</td></tr> <tr><td>55 -</td><td>-</td><td>1.01</td><td>1.25</td><td>1.52</td><td>1.85</td><td>2.24</td><td>2.71</td><td>3.29</td></tr> <tr><td>60 -</td><td>-</td><td>-</td><td>1.06</td><td>1.28</td><td>1.55</td><td>1.88</td><td>2.27</td><td>2.75</td></tr> <tr><td>65 -</td><td>-</td><td>-</td><td>-</td><td>1.06</td><td>1.28</td><td>1.55</td><td>1.87</td><td>2.27</td></tr> <tr><td>· · · · ·</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Nominal performance at t</td><td>o = 5 °C, tc = 50 °C</td><td></td><td></td><td></td><td>Pressure switch</td><td>settings</td><td></td><td></td></tr> <tr><td>Cooling capacity</td><td>4 243</td><td></td><td></td><td></td><td>Maximum HP swite</td><td>•</td><td>27.9</td><td>bar(g)</td></tr> <tr><td>Power input</td><td>1 608</td><td></td><td></td><td></td><td>Minimum LP switc</td><td>•</td><td>0.7</td><td>bar(g)</td></tr> <tr><td>Current consumption</td><td>2.61</td><td>A<br/>ka/b</td><td></td><td></td><td>LP pump down set</td><td>tting</td><td>0.9</td><td>bar(g)</td></tr> <tr><td>Mass flow<br/>C.O.P.</td><td>101<br/>2.64</td><td>kg/h</td><td></td><td></td><td>Sound nowor dat</td><td>•</td><td></td><td></td></tr> <tr><td>J.U.F.</td><td>2.04</td><td></td><td>]</td><td></td><td>Sound power data</td><td></td><td>73</td><td>dB(A)</td></tr> <tr><td>o: Evaporating temperature</td><td></td><td></td><td></td><td></td><td>With accoustic hoc</td><td></td><td>65</td><td>dB(A)</td></tr> | 997<br>879<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 1 453<br>1 291<br>1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-  | 2 028<br>1 814<br>1 602<br>1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 1241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37  | 2 741<br>2 467<br>2 190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 3 612         3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59                             | 4 660<br>4 243<br>3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 5 905         5 404         4 887         4 355         3 810         1 252         1 356         1 463         1 574         1 687         1 801         1 917         2 033         2.31         2.39         2.49         2.58         2.69         2.80   | 7 368<br>6 775<br>6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   | 50         -           55         -           60         -           65         -           Power input in W         30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         - | 879<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 1 291<br>1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 814<br>1 602<br>1 393<br>-<br>1 052<br>1 1052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 1241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 2 467<br>2
190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59 | 4 243<br>3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 5 404<br>4 887<br>4 355<br>3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 6 775<br>6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 55         -           60         -           65         -           Power input in W         30         704           30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           200         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -           55         - |  | 1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 602<br>1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 1241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 2 190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 2 921<br>2 566<br>2 207<br>1 206<br>1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 4 887<br>4 355<br>3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 60         -           65         -           Power input in W         30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -           55         - | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 1241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 2 566<br>2 207<br>1 206<br>1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 4 355<br>3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 65         -           Power input in W         30         704           30         704         35         732           40         755         772           50         -         55         -           60         -         65         -           60         -         65         -           200         -         -         55         -           60         -         -         65         -           201         30         1.97         35         1.98           40         2.00         45         2.01         -           50         -         -         -         -           60         -         -         -         -           55         -         -         60         -           65         -         -         -         -           60         -         -         -         -           65         -         -         -         -           40         17         45         16         -           50         -         -         -         - |  | -<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | -<br>1 052<br>1 102<br>1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 2 207<br>1 206<br>1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 65         -           Power input in W         30         704           30         704         35         732           40         755         772           50         -         55         -           60         -         65         -           60         -         65         -           200         -         -         55         -           60         -         -         65         -           201         30         1.97         35         1.98           40         2.00         45         2.01         -           50         -         -         -         -           60         -         -         -         -           55         -         -         60         -           65         -         -         -         -           60         -         -         -         -           65         -         -         -         -           40         17         45         16         -           50         -         -         -         - | 829<br>862<br>918<br>938<br>-<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 946<br>987<br>1 026<br>1 061<br>1 1092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | -<br>1 052<br>1 102<br>1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 2 207<br>1 206<br>1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           40         2.00           45         2.01           50         -           60         -           65         -           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         - | 862<br>892<br>918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 102<br>1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 30         704           35         732           40         755           45         772          
50         -           55         -           60         -           65         -           200         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           35         1.9           40         2.1           35         1.9           40         2.1           35         1.9           40         1.7           45         1.6           50         -           55         1.9           40         1.7           45         1.6           50         -           55         -           55         - | 862<br>892<br>918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 102<br>1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 35         732           40         755           45         772           50         -           55         -           60         -           65         -           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         -           30         21           35         19           40         17           45         16           50         -           55         - | 862<br>892<br>918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 102<br>1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 35         732           40         755           45         772           50         -           55         -           60         -           65         -           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         -           30         21           35         19           40         17           45         16           50         -           55         - | 892<br>918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59 | 1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 40         755           45         772           50         -           55         -           60         -           65         -           200         -           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         - | 892<br>918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59 | 1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 45         772           50         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         -           30         21           35         19           40         17           45         16           50         - | 918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 50         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         1           30         21           35         19           40         17           45         16           50         -           55         - | 938<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 55         -           60         -           65         -           current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         1 | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 1 578           1 651           1 722           2.28           2.33           2.39           2.45           2.52           2.59 | 1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 60         -           65         -           surrent consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         1           885 flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         - | -<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | -<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 2 012<br>2
154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 65         -           current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         - | -<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | -<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | -<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         - | 2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         - | 2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         - | 2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         - | 2.05<br>2.07<br>2.09<br>2.10<br>-<br>- | 2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 2.27<br>2.32<br>2.36<br>2.41<br>2.46 | 2.33<br>2.39<br>2.45<br>2.52<br>2.59 | 2.37<br>2.45<br>2.53<br>2.61<br>2.70 | 2.39<br>2.49<br>2.58<br>2.69<br>2.80 | 2.38<br>2.50<br>2.62<br>2.74<br>2.88 | 40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         - | 2.07<br>2.09<br>2.10<br>-<br>- | 2.15<br>2.18<br>2.20<br>2.22<br>- | 2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 2.32<br>2.36<br>2.41<br>2.46 | 2.39<br>2.45<br>2.52<br>2.59 | 2.45<br>2.53<br>2.61<br>2.70 | 2.49<br>2.58<br>2.69<br>2.80 | 2.50<br>2.62<br>2.74<br>2.88 | 45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         - | 2.09<br>2.10<br>-<br>- | 2.18<br>2.20<br>2.22<br>- | 2.27<br>2.31<br>2.34<br>2.37 | 2.36<br>2.41<br>2.46 | 2.45<br>2.52<br>2.59 | 2.53<br>2.61<br>2.70 | 2.58<br>2.69<br>2.80 | 2.62<br>2.74<br>2.88 | 50         -           55         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         - | 2.10<br>-<br>- | 2.20<br>2.22<br>- | 2.31<br>2.34<br>2.37 | 2.41<br>2.46 | 2.52<br>2.59 | 2.61<br>2.70 | 2.69<br>2.80 | 2.74<br>2.88 | 55         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         - |  | 2.22 | 2.34<br>2.37 | 2.46 | 2.59 | 2.70 | 2.80 | 2.88 | 60         -           65         -           Mass flow in kg/h         21           30         21           35         19           40         17           45         16           50         -           55         - | - | - | 2.37 | 1 |  |  | - |  | 65         -           Mass flow in kg/h         21           30         21           35         19           40         17           45         16           50         -           55         - |  |  |  | 2.51 | 2.65 | 2.79 | 2.92 | 2 0 0 | Mass flow in kg/h           30         21           35         19           40         17           45         16           50         -           55         - | - | - | - |  |  |  |  | 3.02 | 30         21           35         19           40         17           45         16           50         -           55         - |  |  |  | 2.56 | 2.72 | 2.88 | 3.04 | 3.17 | 30         21           35         19           40         17           45         16           50         -           55         - |  |  |  |  |  |  |  |  | 35         19           40         17           45         16           50         -           55         - |  | 1 | T | T |  | r | 1 1 |  | 40         17           45         16           50         -           55         - | 30 | 42 | 56 | 73 | 94 | 118 | 146 | 178 | 45         16           50         -           55         - | 28 | 40 | 54 | 71 | 91 | 114 | 142 | 174 | 50 -<br>55 - | 26 | 37 | 51 | 67 | 87 | 111 | 138 | 170 | 55 - | 24 | 35 | 48 | 64 | 83 | 106 | 133 | 164 |  | 23 | 33 | 45 | 60 | 79 | 101 | 127 | 157 | - 60 | - | 30 | 42 | 56 | 74 | 95 | 120 | 150 |  | - | - | 38 | 52 | 68 | 89 | 113 | 141 | 65 - | - | - | - | 47 | 63 | 82 | 105 | 132 |  |  |  |  |  |  |  |  |  | Coefficient of performance | e (C.O.P.) | 1 | 1 | 1 |  | 1 | · · · · · |  | 30 1.36 | 1.69 | 2.08 | 2.54 | 3.10 | 3.80 | 4.68 | 5.83 | 7.37 | 35 1.15 | 1.46 | 1.82 | 2.23 | 2.73 | 3.34 | 4.09 | 5.05 | 6.31 | 40 0.97 | 1.26 | 1.58 | 1.95 | 2.39 | 2.91 | 3.56 | 4.37 | 5.40 | 45 0.83 | 1.09 | 1.37 | 1.69 | 2.07 | 2.53 | 3.08 | 3.75 | 4.60 | - 50 | 0.94 | 1.18 | 1.46 | 1.79 | 2.17 | 2.64 | 3.20 | 3.90 | 55 - | - | 1.01 | 1.25 | 1.52 | 1.85 | 2.24 | 2.71 | 3.29 | 60 - | - | - | 1.06 | 1.28 | 1.55 | 1.88 | 2.27 | 2.75 | 65 - | - | - | - | 1.06 | 1.28 | 1.55 | 1.87 | 2.27 | · · · · · |  |  |  |  |  |  |  |  | Nominal performance at t | o = 5 °C, tc = 50 °C |  |  |  | Pressure switch | settings |  |  | Cooling capacity | 4 243 |  |  |  | Maximum HP swite | • | 27.9 | bar(g) | Power input | 1 608 |  |  |  | Minimum LP switc | • | 0.7 | bar(g) | Current consumption | 2.61 | A<br>ka/b |  |  | LP pump down set | tting | 0.9 | bar(g) | Mass flow<br>C.O.P. | 101<br>2.64 | kg/h |  |  | Sound nowor dat | • |  |  | J.U.F. | 2.04 |  | ] |  | Sound power data |  | 73 | dB(A) | o: Evaporating temperature |  |  |  |  | With accoustic hoc |  | 65 | dB(A) |
| 997<br>879<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  
   
   
   | 1 453<br>1 291<br>1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>- | 2 028<br>1 814<br>1 602<br>1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 1241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37 | 2 741<br>2 467<br>2 190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 3 612         3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59 | 4 660<br>4 243<br>3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 5 905         5 404         4 887         4 355         3 810         1 252         1 356         1 463         1 574         1 687         1 801         1 917         2 033         2.31         2.39         2.49         2.58         2.69         2.80 | 7 368<br>6 775<br>6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   |   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 50         -           55         -           60         -           65         -           Power input in W         30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -   
   
   
   | 879<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 1 291<br>1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-   | 1 814<br>1 602<br>1 393<br>-<br>1 052<br>1 1052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 1241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 2 467<br>2 190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 3 270         2 921         2 566         2 207         1 206         1 279         1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59   | 4 243<br>3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 5 404<br>4 887<br>4 355<br>3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 6 775<br>6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 55         -           60         -           65         -           Power input in W         30         704           30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           200         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -           55         -  
   
   
   |  | 1 136<br>-<br>-<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-  | 1 602<br>1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 1241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37  | 2 190<br>1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 2 921<br>2 566<br>2 207<br>1 206<br>1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59   | 3 813<br>3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 4 887<br>4 355<br>3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 6 162<br>5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 60         -           65         -           Power input in W         30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -           55         -  
   
   
   | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 1 393<br>-<br>1 052<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 102<br>1 1241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 1 912<br>1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 2 566<br>2 207<br>1 206<br>1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59  | 3 374<br>2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 4 355<br>3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 5 529<br>4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
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       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 65         -           Power input in W         30         704           30         704         35         732           40         755         772           50         -         55         -           60         -         65         -           60         -         65         -           200         -         -         55         -           60         -         -         65         -           201         30         1.97         35         1.98           40         2.00         45         2.01         -           50         -         -         -         -           60         -         -         -         -           55         -         -         60         -           65         -         -         -         -           60         -         -         -         -           65         -         -         -         -           40         17         45         16         -           50         -         -         -         -   
   
   
   |  | -<br>946<br>987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-   | -<br>1 052<br>1 102<br>1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37  | 1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 2 207<br>1 206<br>1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59   | 2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 65         -           Power input in W         30         704           30         704         35         732           40         755         772           50         -         55         -           60         -         65         -           60         -         65         -           200         -         -         55         -           60         -         -         65         -           201         30         1.97         35         1.98           40         2.00         45         2.01         -           50         -         -         -         -           60         -         -         -         -           55         -         -         60         -           65         -         -         -         -           60         -         -         -         -           65         -         -         -         -           40         17         45         16         -           50         -         -         -         -   
   
   
   | 829<br>862<br>918<br>938<br>-<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-   | 946<br>987<br>1 026<br>1 061<br>1 1092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-  | -<br>1 052<br>1 102<br>1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37  | 1 634<br>1 140<br>1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 2 207<br>1 206<br>1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59   | 2 926<br>1 245<br>1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 3 810<br>1 252<br>1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 4 878<br>1 222<br>1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
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| 30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           40         2.00           45         2.01           50         -           60         -           65         -           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         -   
   
   
   | 862<br>892<br>918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-  | 987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-  | 1 102<br>1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37  | 1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59   | 1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 30         704           35         732           40         755           45         772           50         -           55         -           60         -           65         -           200         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           35         1.9           40         2.1           35         1.9           40         2.1           35         1.9           40         1.7           45         1.6           50         -           55         1.9           40         1.7           45         1.6           50         -           55         -           55         -   
   
   
   | 862<br>892<br>918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-  | 987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-  | 1 102<br>1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37  | 1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59   | 1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 35         732           40         755           45         772           50         -           55         -           60         -           65         -           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         -           30         21           35         19           40         17           45         16           50         -           55         -  
   
   
   | 862<br>892<br>918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-  | 987<br>1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-  | 1 102<br>1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37  | 1 201<br>1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 1 279<br>1 354<br>1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59   | 1 333<br>1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 1 356<br>1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 1 344<br>1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 35         732           40         755           45         772           50         -           55         -           60         -           65         -           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         -           30         21           35         19           40         17           45         16           50         -           55         -  
   
   
   | 892<br>918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-   | 1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-   | 1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59   | 1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 40         755           45         772           50         -           55         -           60         -           65         -           200         -           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -   
   
   
   | 892<br>918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-   | 1 026<br>1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-   | 1 150<br>1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 1 261<br>1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 1 354         1 429         1 504         1 578         1 651         1 722         2.28         2.33         2.39         2.45         2.52         2.59   | 1 423<br>1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 1 463<br>1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 1 471<br>1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 45         772           50         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           60         -           65         -           Mass flow in kg/h         -           30         21           35         19           40         17           45         16           50         -  
   
   
   | 918<br>938<br>-<br>-<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-  | 1 061<br>1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-  | 1 197<br>1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37  | 1 321<br>1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 1 429<br>1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59   | 1 515<br>1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 1 574<br>1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 1 601<br>1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 50         -           55         -           60         -           65         -           Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         1           30         21           35         19           40         17           45         16           50         -           55         -   
   
   
   | 938<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 1 092<br>1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-   | 1 241<br>1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 1 380<br>1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 1 504<br>1 578<br>1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59  | 1 608<br>1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 1 687<br>1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 1 736<br>1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 55         -           60         -           65         -           current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         1   
   
   
   | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 1 119<br>-<br>-<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-  | 1 282<br>1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37  | 1 437<br>1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 1 578           1 651           1 722           2.28           2.33           2.39           2.45           2.52           2.59   | 1 701<br>1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 1 801<br>1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 1 873<br>2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 60         -           65         -           surrent consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         1           885 flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         -   
   
   
   | -<br>-<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-   | -<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-  | 1 320<br>-<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 1 491<br>1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 1 651<br>1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59  | 1 795<br>1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 1 917<br>2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 2 012<br>2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 65         -           current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -  
   
   
   | -<br>2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-  | -<br>2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-  | -<br>2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37  | 1 542<br>2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46   | 1 722<br>2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59   | 1 887<br>2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70   | 2 033<br>2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80   | 2 154<br>2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| Current consumption in A           30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -   
   
   
   | 2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-   | 2.10<br>2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-   | 2.17<br>2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 2.23<br>2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 2.28<br>2.33<br>2.39<br>2.45<br>2.52<br>2.59  | 2.31<br>2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 2.31<br>2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 2.28<br>2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -  
   
   
   | 2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-   | 2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-   | 2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 2.33<br>2.39<br>2.45<br>2.52<br>2.59  | 2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 30         1.97           35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -  
   
   
   | 2.03<br>2.05<br>2.07<br>2.09<br>2.10<br>-<br>-   | 2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-   | 2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 2.33<br>2.39<br>2.45<br>2.52<br>2.59  | 2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 35         1.98           40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -  
   
   
   | 2.05<br>2.07<br>2.09<br>2.10<br>-<br>-   | 2.13<br>2.15<br>2.18<br>2.20<br>2.22<br>-   | 2.20<br>2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 2.27<br>2.32<br>2.36<br>2.41<br>2.46  | 2.33<br>2.39<br>2.45<br>2.52<br>2.59  | 2.37<br>2.45<br>2.53<br>2.61<br>2.70  | 2.39<br>2.49<br>2.58<br>2.69<br>2.80  | 2.38<br>2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 40         2.00           45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           35         19           40         17           45         16           50         -           55         -   
   
   
   | 2.07<br>2.09<br>2.10<br>-<br>-   | 2.15<br>2.18<br>2.20<br>2.22<br>-   | 2.24<br>2.27<br>2.31<br>2.34<br>2.37   | 2.32<br>2.36<br>2.41<br>2.46  | 2.39<br>2.45<br>2.52<br>2.59  | 2.45<br>2.53<br>2.61<br>2.70  | 2.49<br>2.58<br>2.69<br>2.80  | 2.50<br>2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 45         2.01           50         -           55         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         -   
   
   
   | 2.09<br>2.10<br>-<br>-   | 2.18<br>2.20<br>2.22<br>-   | 2.27<br>2.31<br>2.34<br>2.37   | 2.36<br>2.41<br>2.46  | 2.45<br>2.52<br>2.59  | 2.53<br>2.61<br>2.70  | 2.58<br>2.69<br>2.80  | 2.62<br>2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 50         -           55         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         -   
   
   
   | 2.10<br>-<br>-   | 2.20<br>2.22<br>-   | 2.31<br>2.34<br>2.37   | 2.41<br>2.46  | 2.52<br>2.59  | 2.61<br>2.70  | 2.69<br>2.80  | 2.74<br>2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 55         -           60         -           65         -           Mass flow in kg/h         30           30         21           35         19           40         17           45         16           50         -           55         -  
   
   
   |  | 2.22  | 2.34<br>2.37   | 2.46  | 2.59  | 2.70  | 2.80  | 2.88  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 60         -           65         -           Mass flow in kg/h         21           30         21           35         19           40         17           45         16           50         -           55         -   
   
   
   | -  | -   | 2.37   | 1   |   |   | -   |   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 65         -           Mass flow in kg/h         21           30         21           35         19           40         17           45         16           50         -           55         -  
   
   
   |  |   |  | 2.51  | 2.65  | 2.79  | 2.92  | 2 0 0   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| Mass flow in kg/h           30         21           35         19           40         17           45         16           50         -           55         -  
   
   
   | -  | -   | -  |   |   |   |   | 3.02  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 30         21           35         19           40         17           45         16           50         -           55         -  
   
   
   |  |   |  | 2.56  | 2.72  | 2.88  | 3.04  | 3.17  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 30         21           35         19           40         17           45         16           50         -           55         -  
   
   
   |  |   |  |   |   |   |   |   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 35         19           40         17           45         16           50         -           55         -  
   
   
   |  | 1   | T  | T   |   | r   | 1 1   |   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 40         17           45         16           50         -           55         -  
   
   
   | 30   | 42  | 56   | 73  | 94  | 118   | 146   | 178   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 45         16           50         -           55         -  
   
   
   | 28   | 40  | 54   | 71  | 91  | 114   | 142   | 174   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 50 -<br>55 -   
   
   
   | 26   | 37  | 51   | 67  | 87  | 111   | 138   | 170   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 55 -   
   
   
   | 24   | 35  | 48   | 64  | 83  | 106   | 133   | 164   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
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   | 23   | 33  | 45   | 60  | 79  | 101   | 127   | 157   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| - 60   
   
   
   | -  | 30  | 42   | 56  | 74  | 95  | 120   | 150   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
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   | -  | -   | 38   | 52  | 68  | 89  | 113   | 141   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 65 -   
   
   
   | -  | -   | -  | 47  | 63  | 82  | 105   | 132   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
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   |  |   |  |   |   |   |   |   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| Coefficient of performance   
   
   
   | e (C.O.P.)   | 1   | 1  | 1   |   | 1   | · · · · ·   |   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 30 1.36  
   
   
   | 1.69   | 2.08  | 2.54   | 3.10  | 3.80  | 4.68  | 5.83  | 7.37  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 35 1.15  
   
   
   | 1.46   | 1.82  | 2.23   | 2.73  | 3.34  | 4.09  | 5.05  | 6.31  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 40 0.97  
   
   
   | 1.26   | 1.58  | 1.95   | 2.39  | 2.91  | 3.56  | 4.37  | 5.40  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 45 0.83  
   
   
   | 1.09   | 1.37  | 1.69   | 2.07  | 2.53  | 3.08  | 3.75  | 4.60  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| - 50   
   
   
   | 0.94   | 1.18  | 1.46   | 1.79  | 2.17  | 2.64  | 3.20  | 3.90  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 55 -   
   
   
   | -  | 1.01  | 1.25   | 1.52  | 1.85  | 2.24  | 2.71  | 3.29  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 60 -   
   
   
   | -  | -   | 1.06   | 1.28  | 1.55  | 1.88  | 2.27  | 2.75  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| 65 -   
   
   
   | -  | -   | -  | 1.06  | 1.28  | 1.55  | 1.87  | 2.27  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
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       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| Nominal performance at t   
   
   
   | o = 5 °C, tc = 50 °C   |   |  |   | Pressure switch   | settings  |   |   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| Cooling capacity   
   
   
   | 4 243  |   |  |   | Maximum HP swite  | •   | 27.9  | bar(g)  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| Power input  
   
   
   | 1 608  |   |  |   | Minimum LP switc  | •   | 0.7   | bar(g)  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| Current consumption  
   
   
   | 2.61   | A<br>ka/b   |  |   | LP pump down set  | tting   | 0.9   | bar(g)  |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| Mass flow<br>C.O.P.  
   
   
   | 101<br>2.64  | kg/h  |  |   | Sound nowor dat   | •   |   |   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| J.U.F.   
   
   
   | 2.04   |   | ]  |   | Sound power data  |   | 73  | dB(A)   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |
| o: Evaporating temperature   
   
   
   |  |   |  |   | With accoustic hoc  |   | 65  | dB(A)   |  |  |   |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   |   |  |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |  |   |  |   |   |   |   |   |   |   
  |   |  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |  |   |  |  |   |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |   |   |   |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  
       |   |   |  |   |   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |   |  |   |  |                                      |                                      |                                      |                                      |                                      |  |                                |                                   |                                      |                              |                              |                              |                              |                              |  |                        |                           |                              |                      |                      |                      |                      |                      |  |                |                   |                      |              |              |              |              |              |   |  |      |              |      |      |      |      |      |  |   |   |      |   |  |  |   |  |   |  |  |  |      |      |      |      |       |   |   |   |   |  |  |  |  |      |   |  |  |  |      |      |      |      |      |   |  |  |  |  |  |  |  |  |   |  |   |   |   |  |   |     |  |   |    |    |    |    |    |     |     |     |   |    |    |    |    |    |     |     |     |              |    |    |    |    |    |     |     |     |      |    |    |    |    |    |     |     |     |  |    |    |    |    |    |     |     |     |      |   |    |    |    |    |    |     |     |  |   |   |    |    |    |    |     |     |      |   |   |   |    |    |    |     |     |  |  |  |  |  |  |  |  |  |                            |            |   |   |   |  |   |           |  |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |      |      |   |   |      |      |      |      |      |      |      |   |   |   |      |      |      |      |      |           |  |  |  |  |  |  |  |  |                          |                      |  |  |  |                 |          |  |  |                  |       |  |  |  |                  |   |      |        |             |       |  |  |  |                  |   |     |        |                     |      |           |  |  |                  |       |     |        |                     |             |      |  |  |                 |   |  |  |        |      |  |   |  |                  |  |    |       |                            |  |  |  |  |                    |  |    |       |

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

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**R22** 

#### Maneurop reciprocating compressor. MT018-4

Danfoss

### Performance data at 60 Hz, ARI rating conditions

Cond. temp. in	Evaporating temperature in °C (to)									
°C (tc)	-25	-20	-15	-10	-5	0	5	10	15	
ooling capacity	in W									
30	1 019	1 488	2 085	2 830	3 745	4 849	6 164	7 710	9 508	
35	895	1 341	1 907	2 613	3 482	4 532	5 786	7 264	8 986	
40	784	1 201	1 731	2 394	3 211	4 204	5 391	6 795	8 437	
45	687	1 070	1 559	2 174	2 935	3 864	4 981	6 306	7 861	
50	-	949	1 392	1 954	2 654	3 515	4 555	5 798	7 262	
55	-	-	1 232	1 735	2 370	3 157	4 117	5 271	6 639	
60	-	-	-	1 519	2 083	2 792	3 666	4 726	5 994	
65	-	-	-	-	1 795	2 420	3 204	4 166	5 328	
ower input in W				1	1	1	1			
30	704	829	946	1 052	1 140	1 206	1 245	1 252	1 222	
35	732	862	987	1 102	1 201	1 279	1 333	1 356	1 344	
40	755	892	1 026	1 150	1 261	1 354	1 423	1 463	1 471	
45	772	918	1 061	1 197	1 321	1 429	1 515	1 574	1 601	
50	-	938	1 092	1 241	1 380	1 504	1 608	1 687	1 736	
55	-	-	1 119	1 282	1 437	1 578	1 701	1 801	1 873	
60	-	-	-	1 320	1 491	1 651	1 795	1 917	2 012	
65	-	-	-	-	1 542	1 722	1 887	2 033	2 154	

30	1.97	2.03	2.10	2.17	2.23	2.28	2.31	2.31	2.28
35	1.98	2.05	2.13	2.20	2.27	2.33	2.37	2.39	2.38
40	2.00	2.07	2.15	2.24	2.32	2.39	2.45	2.49	2.50
45	2.01	2.09	2.18	2.27	2.36	2.45	2.53	2.58	2.62
50	-	2.10	2.20	2.31	2.41	2.52	2.61	2.69	2.74
55	-	-	2.22	2.34	2.46	2.59	2.70	2.80	2.88
60	-	-	-	2.37	2.51	2.65	2.79	2.92	3.02
65	-	-	-	-	2.56	2.72	2.88	3.04	3.17

#### Mass flow in kg/h

30	21	30	42	56	73	93	117	145	177
35	19	28	39	53	70	90	114	141	173
40	17	26	37	51	67	87	110	137	169
45	16	24	35	48	64	83	105	132	163
50	-	22	32	45	60	78	100	126	157
55	-	-	30	42	56	74	95	120	149
60	-	-	-	38	52	68	88	112	141
65	-	-	-	-	47	62	81	104	131

#### Coefficient of performance (C.O.P.)

30	1.45	1.80	2.20	2.69	3.29	4.02	4.95	6.16	7.78
35	1.22	1.55	1.93	2.37	2.90	3.54	4.34	5.36	6.69
40	1.04	1.35	1.69	2.08	2.55	3.11	3.79	4.64	5.74
45	0.89	1.17	1.47	1.82	2.22	2.70	3.29	4.01	4.91
50	-	1.01	1.27	1.57	1.92	2.34	2.83	3.44	4.18
55	-	-	1.10	1.35	1.65	2.00	2.42	2.93	3.54
60	-	-	-	1.15	1.40	1.69	2.04	2.47	2.98
65	-	-	-	-	1.16	1.41	1.70	2.05	2.47

Nominal performance at to = 7.2 °C, tc = 54.4 °C									
Cooling capacity	4 657	W							
Power input	1 736	W							
Current consumption	2.73	Α							
Mass flow	106	kg/h							
COP	2.68								

Pressure switch settings		
Maximum HP switch setting	27.9	bar(g)
Minimum LP switch setting	0.7	bar(g)
LP pump down setting	0.9	bar(g)
Sound power data		
Sound power level	73	dB(A)
With accoustic hood	65	dB(A)

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Tolerance according EN12900



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