ENGINEERING



Datasheets

Danfoss scroll compressors **H series**





Datasheet, technical data

Danfoss scroll compressor, HRH036U4

General Characteristics

Model number (on compressor nameplate)		HRH036U4LP6	
Code number for Singlepack*		120U1201	
Code number for Industrial pack**		120U1198	
Drawing number		0XC6301B-2	
Suction and discharge connections		Brazed	
Suction connection		3/4 " ODF	
Discharge connection		1/2 " ODF	
Oil sight glass		None	
Oil equalisation connection		None	
Oil drain connection		None	
LP gauge port		None	
IPR valve		Yes	
Swept volume	34.74 cn	n3/rev	
Displacement @ Nominal speed	6.0 m3/h @ 2900 rpm -	7.3 m3/h @ 3500 rpm	
Net weight	30.84	ł kg	
Oil charge	1.06 litre,	, PVE	
Maximum system test pressure Low Side / High side	- bar(g) /	- bar(g)	
Maximum differential test pressure	- bar		
Maximum number of starts per hour	-	·	
Refrigerant charge limit	3.63	kg	
Approved refrigerants	R410	DA .	

Electrical Characteristics

Licetifear enaracteristics	
Nominal voltage	380-415V/3/50Hz - 460V/3/60Hz
Voltage range	342-457 V @ 50Hz - 414-506 V @ 60Hz
Winding resistance between phases 1-2 +/- 7% at 25℃	4.664 Ω
Winding resistance between phases 1-3 +/- 7% at 25℃	4.660 Ω
Winding resistance between phases 2-3 +/- 7% at 25°C	3.420 Ω
Rated Load Amps (RLA)	6.4 A
Maximum Continuous Current (MCC)	10 A
Locked Rotor Amps (LRA)	45 A
Motor protection	Internal overload protector

Recommended Installation torques

Oil sight glass	52.5 Nm
Power connections / Earth connection	0 Nm / 0 Nm

Parts shipped with compressor

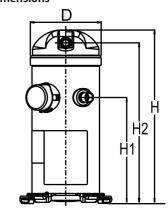
1 arts shipped with compressor				
Mounting kit with grommets and sleeves				
Initial oil charge				
Installation instructions				

Approvals: CE certified, UL certified (file SA11565), -

*Singlepack: Compressor in cardboard box

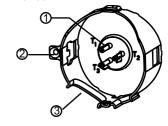
**Industrial pack: 12 or 16 Unboxed compressors on pallet

Dimensions



D=164.5 mm H=413 mm H1=250 mm H2=379 mm H3=- mm

Terminal box



IP22

Spade connectors 1/4"
 Earth connection

3: Power cable passage



Datasheet, accessories and spare parts

Danfoss scroll compressor, HRH036U4

Rotolock accessories, suction side	Code no.
Solder sleeve, P04 (1-1/4" Rotolock, 3/4" ODF)	8153008
Angle adapter, C04 (1-1/4" Rotolock, 3/4" ODF)	8168006
Rotolock valve, V04 (1-1/4" Rotolock, 3/4" ODF)	8168029
Gasket, 1-1/4"	8156131

Rotolock accessories, discharge 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 Gasket, 1" 8156130

Solder sleeve adapter set

OD (ODF	
	1	2	3	4

Rotolock accessories, sets	Code no.
Solder sleeve adapter set (1-1/4" Rotolock, 3/4" ODF), (1" Rotolock, 1/2" ODF)	120Z0126
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009

Oil / lubricants Code no. PVE lubricant, 320HV (FVC68D), 1 litre can 120Z5034

2: Gasket (Suc & Dis)

3: Solder sleeve (Suc & Dis) 4: Rotolock nut (Suc & Dis)

1: Rotolock adapter (Suc & Dis)

Crankcase heaters	Code no.
Belt type crankcase heater, 40 W, 230 V, CE mark, UL	120Z0055
Belt type crankcase heater, 40 W, 400 V, CE mark, UL	120Z0056

Miscellaneous accessories	Code no.
Acoustic hood	120Z5043
Discharge thermostat kit	7750009
IP54 upgrade kit	118U0056

Spare parts	Code no.
Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers	120Z5005
Mounting kit, including 1 bolt, 1 sleeve, 1 washer	120Z5031
No translation for 120Z5015	120Z5015



Danfoss scroll compressor. HRH036U4

Performance data at 50 Hz, EN 12900 rating conditions

R410A

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-25	-20	-15	-10	-5	0	5	10	15
Cooling capacity	v in W								
30	2 575	3 369	4 337	5 494	6 854	8 431	10 242	12 300	_
35	2 314	3 083	4 013	5 121	6 420	7 925	9 650	11 611	
40		2 794	3 686	4 744	5 980		9 050		
						7 411		10 911	-
45	-	-	3 348	4 354	5 527	6 881	8 432	10 192	
50	-	-	-	3 945	5 052	6 328	7 788	9 445	-
55	-	-	-	-	4 546	5 741	7 106	8 656	-
60	-	-	-	-	-	5 105	6 369	7 805	-
65	-	-	-	-	-	-	5 547	6 855	-
Power input in V	v								
30	1 737	1 712	1 695	1 681	1 668	1 653	1 634	1 607	-
35	2 015	1 979	1 951	1 928	1 907	1 884	1 858	1 824	-
40	-	2 286	2 248	2 216	2 187	2 157	2 124	2 084	-
45	-	-	2 589	2 549	2 511	2 475	2 435	2 390	-
50	-	-	-	2 928	2 884	2 841	2 796	2 746	-
55	-	-	-	-	3 308	3 259	3 208	3 154	-
60	-	-	-	_	-	3 732	3 677	3 619	-
65	-	-	-	_	_	-	4 205	4 143	-
		-1	-1		I.	-1		1	
urrent consum	•	1	1.00	107	1.00	1.00		1 000	
30	4.08	4.08	4.08	4.07	4.06	4.02	3.97	3.90	-
35	4.39	4.39	4.38	4.37	4.36	4.33	4.28	4.22	-
40	-	4.74	4.73	4.71	4.69	4.66	4.62	4.57	-
45	-	-	5.12	5.10	5.08	5.05	5.01	4.96	-
50	-	-	-	5.56	5.52	5.49	5.45	5.40	-
55	-	-	-	-	6.05	6.00	5.96	5.91	-
60	-	-	-	-	-	6.61	6.56	6.51	-
65	-	-	-	-	-	-	7.25	7.20	-
/lass flow in kg/	h								
30	54	69	88	110	136	165	199	237	-
35	51	67	86	108	134	163	196	234	_
40	-	64	83	105	131	161	194	231	
45	<u>-</u>	-	80	103	129	158	191	229	
50		-	-	99	125	155	188	226	
55				-	123	151	185	222	-
60	-	-	-	-	-	146	180	217	-
65	<u> </u>	-	-	-	-	- 140	174	217	-
65	<u> </u>		<u> </u>		-	<u> </u>	174	211	
coefficient of pe	•	T '	1 0	0.5-	1	T	0.5-		
30	1.48	1.97	2.56	3.27	4.11	5.10	6.27	7.66	-
35	1.15	1.56	2.06	2.66	3.37	4.21	5.19	6.36	-
40	-	1.22	1.64	2.14	2.73	3.44	4.26	5.23	-
45	-	-	1.29	1.71	2.20	2.78	3.46	4.26	-
50	-	-	-	1.35	1.75	2.23	2.79	3.44	-
55	-	-	-	-	1.37	1.76	2.21	2.74	-
60	-	-	-	-	-	1.37	1.73	2.16	-
65	-	-	_	_	-	-	1.32	1.65	-

Nominal performance at to = 5 °C, tc = 50 °C

	-,		
Cooling capacity	7 788	W	
Power input	2 796	W	
Current consumption	5.45	Α	
Mass flow	188	kg/h	
C.O.P.	2.79		

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	45	bar(g)
Minimum LP switch setting	1.5	bar(g)
LP pump down setting	2.3	bar(g)

Sound power data

ı	Sound power level	66	dB(A)
ı	With accoustic hood	61	dB(A)

All performance data +/- 5%

tc: Condensing temperature at dew point



Danfoss scroll compressor. HRH036U4

Performance data at 50 Hz, ARI rating conditions

R410A

Cooling capacity in W	Cond. temp. in				Evapora	ating temperature	in °C (to)			
30	°C (tc)	-25	-20	-15	-10	-5	0	5	10	15
30										
195			0.004	4.074	5.045	7.070	0.000	40.000	40.400	
40				1						-
45						1			1	-
50										-
55 						+				-
Section Sect										-
Power input in W		-	-	-	-	5 133				-
Power input in W 30					+	†			1	-
30	65	-	-	-	-	-	-	6 607	8 145	-
30	Power input in W	ı								
35	-		1 712	1 695	1 681	1 668	1 653	1 634	1 607	-
40										-
45		-		1		2 187				-
50										-
Section Sect										-
Courrent consumption in A						+				-
Current consumption in A 30						1			1	-
Current consumption in A 30							+			_
30	1		1	1	1	1	1	1 . 200		
30	Current consum	ption in A								
35	1		4.08	4.08	4.07	4.06	4.02	3.97	3.90	-
40 4.73		-	4.39	4.38		4.36	4.33			-
45		-								-
50 - - - 5.56 5.52 5.49 5.45 5.40 55 - - - - 6.05 6.00 5.96 5.91 60 - - - - - - 6.61 6.56 6.51 65 - - - - - - 7.25 7.20 Mass flow in kg/h 30 54 69 87 109 135 164 197 235 35 - 66 85 107 133 162 195 232 40 - - 83 105 130 160 193 230 45 - - 80 102 128 157 190 227 50 - - - 99 125 154 187 224 55 - - - - 121 150<		-	-	1		+				-
55		_	-						1	_
Mass flow in kg/h September 1 September 2 Septembe		_	-	_					1	-
Mass flow in kg/h 30 54 69 87 109 135 164 197 235 35 - 66 85 107 133 162 195 232 40 - - 83 105 130 160 193 230 45 - - 80 102 128 157 190 227 50 - - - 99 125 154 187 224 55 - - - 99 125 154 187 224 60 - - - - 121 150 183 220 60 - - - - - 145 179 216 65 - - - - - - 173 210 Coefficient of performance (C.O.P.) 30 1.60 2.12 2.76 3.52 4.42 5.48 3.64 4.55 5.61 6.87 4.46 5.69 4.55 5.61 6.87 4.63 5.69 4.67 5.69 6.87 6.87		_	-	_	_	1	+			_
Mass flow in kg/h 30					+				1	_
30			1	L	- L	L		1	-	
30 54 69 87 109 135 164 197 235 35 - 66 85 107 133 162 195 232 40 - - 83 105 130 160 193 230 45 - - 80 102 128 157 190 227 50 - - - 99 125 154 187 224 55 - - - - 121 150 183 220 60 - - - - 121 150 183 220 60 - - - - - 145 179 216 65 - - - - - 173 210 Coefficient of performance (C.O.P.) Coefficient of performance (C.O.P.) 30 1.60 2.12 2.76 3.52 4.42 5.48 6.73 8.2	Mass flow in kg/l	h								
35 - 66 85 107 133 162 195 232 40 - - 83 105 130 160 193 230 45 - - 80 102 128 157 190 227 50 - - - 99 125 154 187 224 55 - - - - 121 150 183 220 60 - - - - - 145 179 216 65 - - - - - - 173 210 Coefficient of performance (C.O.P.) Coefficient of performance (C.O.P.) Coefficient of performance (C.O.P.) 30 1.60 2.12 2.76 3.52 4.42 5.48 3.64 4.55 5.61 6.87 4.63 5.69 4.67 4.63 5.69 4.67 4.63 5.69 4.67 5.69 4.67 5.69 5.60 - - - 1.79 2.34 2.98 3.74 4.63 5.69 3.80 4.67 5.69 5.60 - - - 1.50 1.95 2.47 3.09 3.81 5.69 5.60 - - - - 1.55 1.99 2.49 3.08 6.00 - - - - <td></td> <td></td> <td>69</td> <td>87</td> <td>109</td> <td>135</td> <td>164</td> <td>197</td> <td>235</td> <td>-</td>			69	87	109	135	164	197	235	-
40 - - 83 105 130 160 193 230 45 - - - 80 102 128 157 190 227 50 - - - 99 125 154 187 224 55 - - - - 121 150 183 220 60 - - - - - 145 179 216 65 - - - - - - 173 210 Coefficient of performance (C.O.P.) 30 1.60 2.12 2.76 3.52 4.42 5.48 6.73 8.22 3.54 4.42 5.48 6.73 8.22 3.55 5.61 6.87 4.00 - -										-
45 - - 80 102 128 157 190 227 50 - - - 99 125 154 187 224 55 - - - - 121 150 183 220 60 - - - - 145 179 216 65 - - - - - 173 210 Coefficient of performance (C.O.P.) Solve of the performance (C		-	-	1		+				-
50 - - 99 125 154 187 224 55 - - - - 121 150 183 220 60 - - - - - 145 179 216 65 - - - - - 173 210 Coefficient of performance (C.O.P.) 30 1.60 2.12 2.76 3.52 4.42 5.48 6.73 8.22 3.55 - 1.69 2.23 2.88 3.64 4.55 5.61 6.87 4.63 5.69 4.45 - 1.79 2.34 2.98 3.74 4.63 5.69 4.67 5.69 4.67 5.60 1.50 1.95 2.47 3.09 3.81 5.55 1.55 1.99 2.49 3.08 60		-	-						1	-
55 - - - - 121 150 183 220 60 - - - - - 145 179 216 65 - - - - - 173 210 Coefficient of performance (C.O.P.) 30 1.60 2.12 2.76 3.52 4.42 5.48 6.73 8.22 35 - 1.69 2.23 2.88 3.64 4.55 5.61 6.87 40 - - 1.79 2.34 2.98 3.74 4.63 5.69 45 - - 1.43 1.88 2.42 3.05 3.80 4.67 50 - - - 1.50 1.95 2.47 3.09 3.81 55 - - - 1.55 1.99 2.49 3.08 60 - - - - 1.55 1.99		_	-		1			+	1	-
60 - - - - 145 179 216 65 - - - - - 173 210 Coefficient of performance (C.O.P.) 30 1.60 2.12 2.76 3.52 4.42 5.48 6.73 8.22 35 - 1.69 2.23 2.88 3.64 4.55 5.61 6.87 40 - - 1.79 2.34 2.98 3.74 4.63 5.69 45 - - 1.43 1.88 2.42 3.05 3.80 4.67 50 - - - 1.50 1.95 2.47 3.09 3.81 55 - - - - 1.55 1.99 2.49 3.08 60 - - - - 1.58 1.99 2.48										_
65 - - - - - 173 210 Coefficient of performance (C.O.P.) 30 1.60 2.12 2.76 3.52 4.42 5.48 6.73 8.22 35 - 1.69 2.23 2.88 3.64 4.55 5.61 6.87 40 - - 1.79 2.34 2.98 3.74 4.63 5.69 45 - - 1.43 1.88 2.42 3.05 3.80 4.67 50 - - - 1.50 1.95 2.47 3.09 3.81 55 - - - 1.55 1.99 2.49 3.08 60 - - - - 1.58 1.99 2.48										_
Coefficient of performance (C.O.P.) 30 1.60 2.12 2.76 3.52 4.42 5.48 6.73 8.22 35 - 1.69 2.23 2.88 3.64 4.55 5.61 6.87 40 - - 1.79 2.34 2.98 3.74 4.63 5.69 45 - - 1.43 1.88 2.42 3.05 3.80 4.67 50 - - - 1.50 1.95 2.47 3.09 3.81 55 - - - 1.55 1.99 2.49 3.08 60 - - - - 1.58 1.99 2.48									1	_
30 1.60 2.12 2.76 3.52 4.42 5.48 6.73 8.22 35 - 1.69 2.23 2.88 3.64 4.55 5.61 6.87 40 - - 1.79 2.34 2.98 3.74 4.63 5.69 45 - - 1.43 1.88 2.42 3.05 3.80 4.67 50 - - - 1.50 1.95 2.47 3.09 3.81 55 - - - 1.55 1.99 2.49 3.08 60 - - - - 1.58 1.99 2.48			1	1	1	1	1	1		
35 - 1.69 2.23 2.88 3.64 4.55 5.61 6.87 40 - - 1.79 2.34 2.98 3.74 4.63 5.69 45 - - 1.43 1.88 2.42 3.05 3.80 4.67 50 - - - 1.50 1.95 2.47 3.09 3.81 55 - - - 1.55 1.99 2.49 3.08 60 - - - - 1.58 1.99 2.48	· · · · · · · · · · · · · · · · · · ·	,		0.70	0.50	4.10	F 10	0.70	0.00	
40 - - 1.79 2.34 2.98 3.74 4.63 5.69 45 - - 1.43 1.88 2.42 3.05 3.80 4.67 50 - - - 1.50 1.95 2.47 3.09 3.81 55 - - - 1.55 1.99 2.49 3.08 60 - - - - 1.58 1.99 2.48			1	1		+				-
45 - - 1.43 1.88 2.42 3.05 3.80 4.67 50 - - - 1.50 1.95 2.47 3.09 3.81 55 - - - - 1.55 1.99 2.49 3.08 60 - - - - 1.58 1.99 2.48										-
50 - - - 1.50 1.95 2.47 3.09 3.81 55 - - - - 1.55 1.99 2.49 3.08 60 - - - - 1.58 1.99 2.48	+			1			+	+		-
55 - - - 1.55 1.99 2.49 3.08 60 - - - - 1.58 1.99 2.48										-
60 1.58 1.99 2.48					+	+				-
						1				-
65 1.57 1.97					+				1	-
	65	-	-	-	-	-	-	1.57	1.97	-
	·		0.045	14/		Г	Massinas IID assi	4 - 1 44 ¹	45	h = =/-

Cooling capacity

Current consumption

Power input

Mass flow

C.O.P.

to: Evaporating temperature at dew point tc: Condensing temperature at dew point

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

Maximum HP switch setting	45	bar(g)
Minimum LP switch setting	1.5	bar(g)
LP pump down setting	2.3	bar(g)

Sound power data

Sound power level	66	dB(A)
With accoustic hood	61	dB(A)

All performance data +/- 5%

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W

W

kg/h

8 815

3 133

5.88

200

2.81



Danfoss scroll compressor. HRH036U4

Performance data at 60 Hz, EN 12900 rating conditions

R410A

Cond. temp. in				Evapora	ating temperature	in °C (to)			
°C (tc)	-25	-20	-15	-10	-5	0	5	10	15
Cooling capacity		2.000	F 400	0.400	0.000	0.045	12.044	14.464	
30	3 028	3 962	5 100	6 460	8 060	9 915	12 044	14 464	-
35	2 721	3 625	4 720	6 022	7 550	9 320	11 349	13 654	-
40	-	3 286	4 335	5 579	7 033	8 715	10 642	12 831	-
45	-	-	3 938	5 121	6 500	8 093	9 916	11 986	-
50	-	-	-	4 639	5 941	7 442	9 159	11 108	-
55	-	-	-	-	5 346	6 751	8 357	10 180	-
60	-	-	-	-	-	6 004	7 491	9 180	-
65	-	-	-	-	-	-	6 524	8 062	-
Power input in W	ı								
30	2 068	2 042	2 021	2 003	1 987	1 969	1 947	1 918	-
35	2 367	2 330	2 299	2 272	2 246	2 220	2 189	2 152	-
40	-	2 649	2 609	2 574	2 540	2 505	2 466	2 422	-
45	_	-	2 955	2 912	2 870	2 828	2 782	2 731	-
50	-	-	-	3 289	3 241	3 192	3 141	3 084	_
55	-	-	_	-	3 655	3 601	3 544	3 482	_
60		_	_	-	-	4 057	3 996	3 930	_
65		_	_	-	_	-	4 500	4 431	-
55		_	_		_	_	. 500	1 701	
Current consum	ption in A								
30	3.49	3.49	3.49	3.48	3.47	3.44	3.40	3.34	-
35	3.76	3.75	3.75	3.74	3.73	3.70	3.66	3.61	-
40	-	4.06	4.04	4.03	4.01	3.99	3.95	3.91	-
45	-	-	4.38	4.36	4.34	4.32	4.28	4.24	-
50	-	-	-	4.75	4.72	4.70	4.66	4.62	-
55	-	-	-	-	5.17	5.14	5.10	5.06	-
60	-	-	-	-	-	5.65	5.61	5.57	-
65	-	-	-	-	-	-	6.21	6.16	-
1.		W.					-		
Mass flow in kg/l	h		_	_	_	_	_		
30	63	82	103	129	160	194	234	278	-
35	60	79	101	127	157	192	231	275	-
40	-	75	98	124	154	189	228	272	-
45	-	-	94	121	151	186	225	269	-
50	-	-	-	117	147	182	221	265	-
55	-	-	-	-	143	178	217	261	-
60	-	-	-	-	-	172	212	255	-
65	-	-	-	-	-	-	205	249	-
Coefficient of pe	rformance (C C) P)							
30	1.46	1.94	2.52	3.22	4.06	5.04	6.19	7.54	_
35	1.15	1.56	2.05	2.65	3.36	4.20	5.18	6.34	-
40	-	1.24	1.66	2.17	2.77	3.48	4.32	5.30	-
45		-	1.33	1.76	2.26	2.86	3.56	4.39	_
50		-	-	1.70	1.83	2.33	2.92	3.60	-
55	-					1.88	2.92	2.92	-
55		-	-	-	1.46	1.48	1.87	2.92	
60	-			-		1.4ŏ	1.0/	ı 2.3 4	-

Nominal performance at to = 5 °C, tc = 50 °C

-,			
Cooling capacity	9 159	W	
Power input	3 141	W	
Current consumption	4.66	Α	
Mass flow	221	kg/h	
C.O.P.	2.92		

to: Evaporating temperature at dew point

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

Maximum HP switch setting	45	bar(g)
Minimum LP switch setting	1.5	bar(g)
LP pump down setting	2.3	bar(g)

Sound power data

Sound power level	69	dB(A)	
With accoustic hood	64	dB(A)	

All performance data +/- 5%

tc: Condensing temperature at dew point



Danfoss scroll compressor. HRH036U4

Performance data at 60 Hz, ARI rating conditions

R410A

Cond. temp. in				Evapora	ting temperature	in °C (to)			
°C (tc)	-25	-20	-15	-10	-5	0	5	10	15
Cooling capacity	/ in W								
30	3 270	4 274	5 496	6 956	8 670	10 657	12 935	15 521	_
35	-	3 936	5 118	6 524	8 170	10 076	12 259	14 736	_
40	_	-	4 736	6 088	7 666	9 489	11 576	13 944	_
45	-	-	4 342	5 638	7 148	8 888	10 878	13 136	-
	<u>-</u>	-		5 167			10 157		-
50 55	-	-	-	5 167	6 607 6 037	8 265 7 610	9 405	12 304 11 439	-
		+					1		
60 65	-	-	-	-	-	6 916	8 612	10 534	-
00	-	-	-	-	-	-	7 771	9 579	-
Power input in V	v								
30	2 068	2 042	2 021	2 003	1 987	1 969	1 947	1 918	-
35	-	2 330	2 299	2 272	2 246	2 220	2 189	2 152	-
40	-	-	2 609	2 574	2 540	2 505	2 466	2 422	-
45	-	-	2 955	2 912	2 870	2 828	2 782	2 731	-
50	-	-	-	3 289	3 241	3 192	3 141	3 084	-
55	-	-	-	-	3 655	3 601	3 544	3 482	-
60	-	-	-	-	-	4 057	3 996	3 930	-
65	-	-	-	_	-	-	4 500	4 431	-
urrent consum	ntion in A								
30	3.49	3.49	3.49	3.48	3.47	3.44	3.40	3.34	-
35	-	3.75	3.75	3.74	3.73	3.70	3.66	3.61	-
40	_	-	4.04	4.03	4.01	3.99	3.95	3.91	-
45	-	_	4.38	4.36	4.34	4.32	4.28	4.24	
50	-	-	-	4.75	4.72	4.70	4.66	4.62	_
55	-	-	-	-	5.17	5.14	5.10	5.06	-
60	_	_	_	-	-	5.65	5.61	5.57	_
65	_	_	_	_	_	-	6.21	6.16	_
lass flow in kg/							0.21	0.10	
30	63	81	103	129	159	193	232	276	_
35	-	78	100	129	159	190	232	273	-
40	<u> </u>	-	97	123	153	188	229	273	-
45	-	-	94	123	150	185	224	267	-
50		+	-	116	147	181	224	263	
	-	-							-
55 60	-	-	-	-	142	177	216	259	-
60 65	-	-	-	-	-	171	210	254 247	-
•	-	-	-	-	-	-	203	241	-
coefficient of pe	•		T -	T -	Ι .	_	T _	1 -	
30	1.58	2.09	2.72	3.47	4.36	5.41	6.64	8.09	-
35	-	1.69	2.23	2.87	3.64	4.54	5.60	6.85	-
40	-	-	1.82	2.37	3.02	3.79	4.69	5.76	-
45	-	-	1.47	1.94	2.49	3.14	3.91	4.81	-
50	-	-	-	1.57	2.04	2.59	3.23	3.99	-
55	-	-	-	-	1.65	2.11	2.65	3.28	-
60	-	-	-	-	-	1.70	2.16	2.68	-
65	-	-	-	_	_	-	1.73	2.16	-

Nominal performance at to = 7.2 °C, tc = 54.4 °C

Cooling capacity	10 367	W
Power input	3 467	W
Current consumption	5.03	Α
Mass flow	235	kg/h
C.O.P.	2.99	

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	45	bar(g)
Minimum LP switch setting	1.5	bar(g)
LP pump down setting	2.3	bar(g)

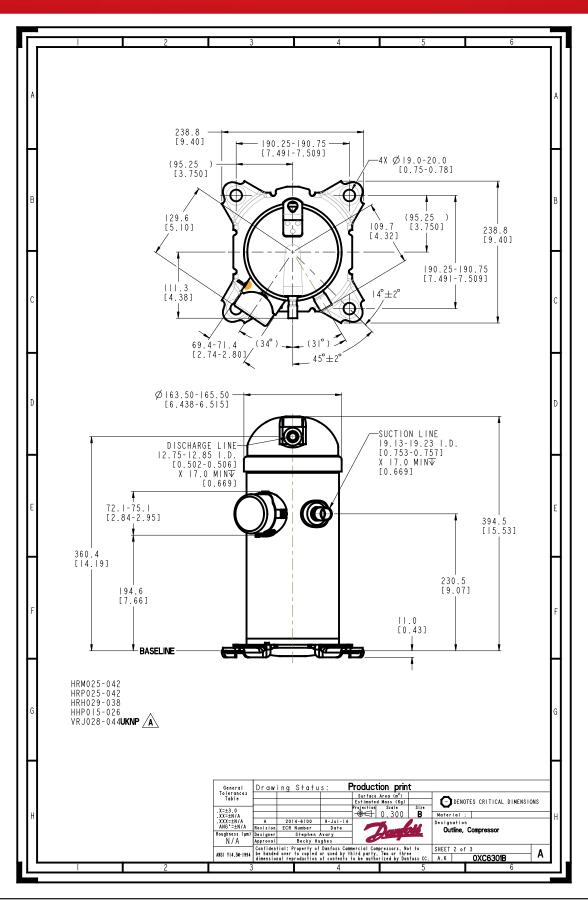
Sound power data

ſ	Sound power level	69	dB(A)
ı	With accoustic hood	64	dB(A)

All performance data +/- 5%

tc: Condensing temperature at dew point





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