ENGINEERING



Datasheets

Danfoss scroll compressors **H series**





Datasheet, technical data

Danfoss scroll compressor, HRP051T4

General Characteristics

Model number (on compressor nameplate)	HRP051T4LP6				
Code number for Singlepack*		120U1681			
Code number for Industrial pack**		120U1678			
Drawing number		0XR6002B-2			
Suction and discharge connections		Brazed			
Suction connection		7/8 " 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	68.83 c	m3/rev			
Displacement @ Nominal speed	12.0 m3/h @ 2900 rpm -	- 14.4 m3/h @ 3500 rpm			
Net weight	37.1	9 kg			
Oil charge	1.57 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	5.44 kg				
Approved refrigerants	R407C				

Electrical Characteristics

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℃	2.600 Ω
Winding resistance between phases 1-3 +/- 7% at 25°C	2.610 Ω
Winding resistance between phases 2-3 +/- 7% at 25°C	2.650 Ω
Rated Load Amps (RLA)	8.3 A
Maximum Continuous Current (MCC)	13 A
Locked Rotor Amps (LRA)	60 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

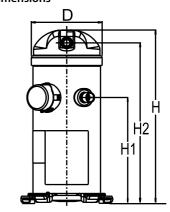
1 arts shipped with compressor
Mounting kit with grommets and sleeves
Initial oil charge
Installation instructions

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

 $\hbox{*Singlepack: Compressor in cardboard box}\\$

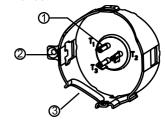
**Industrial pack: 12 or 16 Unboxed compressors on pallet

Dimensions



D=183.5 mm H=455 mm H1=280 mm H2=422 mm H3=- mm

Terminal box



IP22

Spade connectors 1/4"
 Earth connection

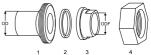
3: Power cable passage



Datasheet, accessories and spare parts

Danfoss scroll compressor, HRP051T4

Rotolock accessories, suction side	Code no.	
Rotolock valve, V05 (1-1/4" Rotolock, 7/8" ODF)	8168030	
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	
Rotolock accessories, sets	Code no.	
Solder sleeve adapter set (1-1/4" Rotolock, 7/8" ODF), (1" Rotolock, 1/2" ODF)	120Z0127	
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	
Crankcase heaters	Code no.	
Belt type crankcase heater, 50 W, 230 V, CE mark, UL	120Z0057	
Belt type crankcase heater, 50 W, 400 V, CE mark, UL	120Z0058	
Miscellaneous accessories	Code no.	
Acoustic hood	120Z5044	
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	1



tolock adapter (Suc & Dis)

sket (Suc & Dis)

lder sleeve (Suc & Dis)

tolock nut (Suc & Dis)



Danfoss scroll compressor. HRP051T4

Performance data at 50 Hz, EN 12900 rating conditions

R407C

Cond. temp. in	Evaporating temperature in °C (to)									
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10	
Cooling capacity	in W									
30	-	3 731	4 750	5 999	7 503	9 285	11 369	13 780	16 541	
35	_	3 472	4 448	5 641	7 075	8 775	10 764	13 067	15 707	
40		3 219	4 149	5 284	6 646	8 262	10 153	12 345	14 861	
45		3219	3 846	4 919	6 208	7 737	9 528	11 606	13 996	
50		-	3 040	4 540	5 753	7 191	8 880	10 842	13 102	
55		-	-	-	5 753	6 618	8 201	10 044	12 171	
60		-	-	-		6 007	7 482	9 202	11 193	
65		-		-	-	-	6 714	8 308	10 159	
03	-			<u> </u>	<u>-</u>		0714	0 300	10 139	
Power input in W		_			1		_			
30	-	1 911	1 974	2 038	2 103	2 172	2 243	2 318	2 397	
35	-	2 329	2 356	2 386	2 419	2 455	2 497	2 543	2 596	
40	-	2 761	2 756	2 755	2 759	2 768	2 784	2 806	2 836	
45	-	-	3 179	3 152	3 131	3 117	3 111	3 113	3 124	
50	-	-	-	3 584	3 542	3 509	3 485	3 471	3 468	
55	-	-	-	-	3 998	3 950	3 913	3 887	3 873	
60	-	-	-	-	-	4 448	4 401	4 367	4 346	
65	-	-	-	-	-	-	4 955	4 917	4 894	
Current consump		1	1.10	1.50		1				
30	-	4.44	4.49	4.53	4.57	4.61	4.63	4.64	4.63	
35	-	4.70	4.72	4.75	4.78	4.82	4.85	4.87	4.88	
40	-	5.06	5.05	5.06	5.08	5.10	5.13	5.16	5.19	
45	-	-	5.49	5.46	5.46	5.47	5.50	5.53	5.56	
50	-	-	-	5.96	5.93	5.93	5.94	5.96	6.00	
55	-	-	-	-	6.50	6.47	6.46	6.48	6.52	
60	-	-	-	-	-	7.11	7.08	7.08	7.10	
65	-	-	-	-	-	-	7.78	7.76	7.77	
Mass flow in kg/h										
30	-	85	106	131	160	194	234	279	331	
35	-	84	105	129	159	193	232	277	329	
40	-	82	102	127	156	190	229	275	327	
45	-	-	99	124	153	187	226	272	324	
50	-	-	-	120	149	183	222	268	320	
55	-	-	-	-	143	178	217	263	316	
60	-	-	-	-	-	171	211	257	311	
65	-	-	-	-	-	-	203	250	303	
Coefficient of per	formance (C. C	D.P.)								
30	-	1.95	2.41	2.94	3.57	4.28	5.07	5.95	6.90	
35	-	1.49	1.89	2.36	2.93	3.57	4.31	5.14	6.05	
40	-	1.17	1.51	1.92	2.41	2.98	3.65	4.40	5.24	
45	-	-	1.21	1.56	1.98	2.48	3.06	3.73	4.48	
50	-	-	-	1.27	1.62	2.05	2.55	3.12	3.78	
55	_	-	_	-	1.32	1.68	2.10	2.58	3.14	
60	-	-	_	_	-	1.35	1.70	2.11	2.58	
65		-	_	-	-	-	1.35	1.69	2.08	

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

	•••	
Cooling capacity	10 842	W
Power input	3 471	W
Current consumption	5.96	Α
Mass flow	268	kg/h
C.O.P.	3.12	

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	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. HRP051T4

Performance data at 50 Hz, ARI rating conditions

R407C

Cooling capacity in W	Cooling capacity in W	Cond. temp. in Evaporating temperature in °C (to)									
30	30	°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
30	30	Cooling capacity	in W								
35	35			4 007	5.095	6.427	8 029	9 925	12 140	14 700	17 620
40	40								+		
45	45							<u> </u>			
50	50										
55						1					
60	Fig. 10										
Property Property							1				
Power input in W											
30	30	05			-	<u> </u>			7 300	9 340	11 394
35	35	Power input in W									
40	40	30	-	1 911	1 974	2 038	2 103	2 172	2 243	2 318	2 397
45	45	35	-	2 329	2 356	2 386	2 419	2 455	2 497	2 543	2 596
So	50	40	-	2 761	2 756	2 755	2 759	2 768	2 784	2 806	2 836
So	50	45	-	-	3 179	3 152	3 131	3 117	3 111	3 113	3 124
Section Sect	Second S		-	-		3 584	•		3 485		3 468
60	Courset consumption in A	55	-	-	-	-	3 998	3 950	3 913		3 873
Current consumption in A 30	Surrent consumption in A 30		-	-	-	-	-		4 401	4 367	4 346
30	30 - 4.44 4.49 4.53 4.67 4.61 4.63 4.64 4.63 35 - 4.70 4.72 4.75 4.78 4.82 4.85 4.87 4.88 40 - 5.06 5.05 5.06 5.08 5.10 5.13 5.16 5.19 45 5.49 5.46 5.46 5.47 5.50 5.53 5.56 50 5.59 5.96 5.93 5.93 5.94 5.96 6.00 55 5.96 5.93 5.93 5.94 5.96 6.00 65 6.50 6.47 6.46 6.48 6.52 60 7.11 7.08 7.08 7.08 7.10 65 7.11 7.08 7.08 7.07 **Asss flow in kg/h** 30 - 84 106 130 160 193 233 277 329 35 - 83 104 129 158 191 231 275 327 40 - 81 102 126 155 189 228 273 325 40 199 123 152 186 225 270 322 50 1119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 314 55 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	_	-		-				4 894
30	30 - 4.44 4.49 4.53 4.57 4.61 4.63 4.64 4.63 3.5 - 4.70 4.72 4.75 4.76 4.78 4.82 4.85 4.87 4.88 4.90 - 5.06 5.06 5.06 5.06 5.00 5.10 5.13 5.16 5.19 4.5 - 5.06 5.06 5.06 5.00 5.10 5.13 5.16 5.19 4.5 - 5.06 5.06 5.06 5.00 5.10 5.13 5.16 5.19 4.5 - 5.06 5.06 5.00 5.00 5.10 5.13 5.16 5.19 4.5 - 5.00 5.53 5.56 5.00 5.00 5.00 5.00 5.53 5.55 5.50 5.50										
35 - 4.70	35		otion in A	T	1	1		1	T	1	1
40	40 - 5.06 5.05 5.06 5.08 5.10 5.13 5.16 5.19 45 - 5.45 5.49 5.46 5.46 5.47 5.50 5.53 5.56 50 - 7 - 7 5.96 5.93 5.93 5.94 5.96 6.00 55 - 7 - 7 5.96 5.93 5.93 5.94 5.96 6.00 65 - 7 - 7 5.96 5.93 5.93 5.94 5.96 6.00 65 - 7 - 7 5.96 5.93 5.93 5.94 5.96 6.00 65 - 7 - 7 5.96 5.93 5.93 5.94 5.96 6.00 65 - 7 - 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	30	-		4.49	4.53	4.57	4.61	4.63	4.64	4.63
45	45		-					4.82			
50	50	40	-	5.06	5.05	1			5.13		5.19
Section Sect	Section Sect	45	-	-	5.49	5.46	5.46	5.47	5.50	5.53	5.56
60 7.11 7.08 7.08 7.16 65 7.78 7.76 7.7 #ass flow in kg/h 30 - 84 106 130 160 193 233 277 32 40 - 81 102 126 155 189 228 273 32 45 99 123 152 186 225 270 32 50 119 148 182 221 267 31 55 119 148 182 221 267 31 60 119 142 177 216 262 31 60 170 210 256 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 1.33 1.70 2.16 2.69 3.32 4.04 4.8 50 1.33 1.70 2.16 2.69 3.32 4.04 4.8 50 1.33 1.70 2.16 2.69 3.32 4.04 4.8 50 1.33 1.70 2.16 2.69 3.32 4.04 4.8 50 1.33 1.78 2.24 2.78 3.41 4.1	60		-	-	-	5.96	5.93	5.93	5.94	5.96	6.00
Mass flow in kg/h 30 - 84 106 130 160 193 233 277 32 35 - 83 104 129 158 191 231 275 32 40 - 81 102 126 155 189 228 273 32 45 - 99 123 152 186 225 270 32 45 1 119 148 182 221 267 31 55 - 1 - 1 119 148 182 221 267 31 60 - 1 - 1 170 210 256 30 65 - 1 - 1 170 210 256 30 65 - 1 - 1 180 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 127 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 - 1 1.32 1.70 2.16 2.69 3.32 4.04 4.6 50 - 1 1.32 1.70 2.16 2.69 3.32 4.04 4.6 50 - 1 1.39 1.78 2.24 2.78 3.41 4.1 55 - 1 1.61 2.03 1.70 2.16 2.69 3.32 4.04 4.6 50 - 1 1.70 1.89 2.34 2.8	Mass flow in kg/h 30	55	-	-	-	-	6.50	6.47	6.46	6.48	6.52
Mass flow in kg/h 30	Mass flow in kg/h 30		-	-	-	-	-	7.11			
30	30 - 84 106 130 160 193 233 277 329 35 - 83 104 129 158 191 231 275 327 40 - 81 102 126 155 189 228 273 325 45 - 99 123 152 186 225 270 322 50 119 148 182 221 267 319 55 1 - 119 148 182 221 267 319 60 1 - 170 210 256 309 65 1 - 1 - 170 210 256 309 65 - 1 1.61 2.03 2.54 3.14 3.84 4.62 5.50 648 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 1.32 170 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 1.85 2.31 2.84 3.45 60 1 1.51 1.89 2.34 2.85 65 1 1.51 1.89 2.34 2.85	65	-	-	-	-	-	-	7.78	7.76	7.77
30	30 - 84 106 130 160 193 233 277 329 35 - 83 104 129 158 191 231 275 327 40 - 81 102 126 155 189 228 273 325 45 - 99 123 152 186 225 270 322 50 119 148 182 221 267 319 55 1 - 119 148 182 221 267 319 60 1 - 170 210 256 309 65 1 - 1 - 170 210 256 309 65 - 1 1.61 2.03 2.54 3.14 3.84 4.62 5.50 648 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 1.32 170 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 1.85 2.31 2.84 3.45 60 1 1.51 1.89 2.34 2.85 65 1 1.51 1.89 2.34 2.85	Mass flow in kg/b									
35	35			84	106	130	160	193	233	277	329
40 - 81 102 126 155 189 228 273 32 45 - - 99 123 152 186 225 270 32 50 - - - 119 148 182 221 267 31 55 - - - - 142 177 216 262 31 60 - - - - - 170 210 256 30 65 - - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16	40 - 81 102 126 155 189 228 273 325 45 99 123 152 186 225 270 322 50 1119 148 182 221 267 319 55 142 177 216 262 314 60 170 210 256 309 65 170 210 256 309 65 181 315 3.82 4.57 5.41 6.34 7.35 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.48 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1.33 1.70 2.16 2.69 3.32 4.04 4.84 50 1.39 1.78 2.24 2.78 3.41 4.11 55 1.46 1.85 2.31 2.84 3.45 60 1.51 1.89 2.34 2.85 65 1.51 1.89 2.34 2.85										
45 - - 99 123 152 186 225 270 32 50 - - - 119 148 182 221 267 31 55 - - - - 142 177 216 262 31 60 - - - - - 170 210 256 30 65 - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 <	45					1					
50 - - 119 148 182 221 267 31 55 - - - - 142 177 216 262 31 60 - - - - - 170 210 256 30 65 - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41	So						•				
55 - - - 142 177 216 262 31 60 - - - - 170 210 256 30 65 - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 </td <td> 55</td> <td></td> <td></td> <td></td> <td>+</td> <td>1</td> <td></td> <td>+</td> <td></td> <td></td> <td></td>	55				+	1		+			
60 - - - - - 170 210 256 30 65 - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - - 1.51 1.89	60 - - - - 170 210 256 309 65 - - - - - 202 248 302 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.35 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.48 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 - - - 1.39 1.78 2.24 2.78 3.41 4.11 55 - - - - 1.46 1.85 2.31 2.84 3.45 60 - - - - - 1.51 1.89 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
65 - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - - 1.51 1.89 2.34 2.8	Coefficient of performance (C.O.P.) 30	-									
Coefficient of performance (C.O.P.) 30	30							+			
30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - - 1.51 1.89 2.34 2.8	30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.35 3.5 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.48 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 - 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 - 1.39 1.78 2.24 2.78 3.41 4.11 55 - 1.46 1.85 2.31 2.84 3.45 60 - 1.51 1.89 2.34 2.85 65 - 1.51 1.89 2.34 2.85 65 - 1.51 1.53 1.90 2.33	UU	-					<u> </u>	202	Z 4 0	302
35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - 1.51 1.89 2.34 2.8	35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.48 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.39 1.78 2.24 2.78 3.41 4.11 55 1 1.46 1.85 2.31 2.84 3.45 60 1.51 1.89 2.34 2.85 65 1.53 1.90 2.33 Nominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	Coefficient of per	formance (C.	O.P.)			_				
40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - 1.51 1.89 2.34 2.8	40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 - - - 1.39 1.78 2.24 2.78 3.41 4.11 55 - - - 1.46 1.85 2.31 2.84 3.45 60 - - - - 1.51 1.89 2.34 2.85 65 - - - - 1.53 1.90 2.33 Nominal performance at to = 7.2 °C, tc = 54.4 °C	30	-	2.10	2.58	3.15	3.82	4.57	5.41	6.34	7.35
45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - 1.51 1.89 2.34 2.8	45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 - - - 1.39 1.78 2.24 2.78 3.41 4.11 55 - - - - 1.46 1.85 2.31 2.84 3.45 60 - - - - 1.51 1.89 2.34 2.85 65 - - - - 1.53 1.90 2.33 Hominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	35	-	1.61	2.03	2.54	3.14	3.84	4.62	5.50	6.48
50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - 1.51 1.89 2.34 2.8	50 - - 1.39 1.78 2.24 2.78 3.41 4.11 55 - - - 1.46 1.85 2.31 2.84 3.45 60 - - - - 1.51 1.89 2.34 2.85 65 - - - - 1.53 1.90 2.33 Hominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	40	-	1.27	1.63	2.08	2.60	3.22	3.93	4.74	5.64
55 - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - 1.51 1.89 2.34 2.8	55 - - - 1.46 1.85 2.31 2.84 3.45 60 - - - - 1.51 1.89 2.34 2.85 65 - - - - 1.53 1.90 2.33	45	-	-	1.32	1.70	2.16	2.69	3.32	4.04	4.84
60 1.51 1.89 2.34 2.8	60 1.51 1.89 2.34 2.85 65 1.53 1.90 2.33 Nominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	50	-	-	-	1.39	1.78	2.24	2.78	3.41	4.11
	65 1.53 1.90 2.33 Nominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	55	-	-	-	-	1.46	1.85	2.31	2.84	3.45
65 1.53 1.90 2.3	Nominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings		-	-	-	-	-	1.51	1.89	2.34	2.85
	Iominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	65	-	-	-	-	-	-	1.53	1.90	2.33
		lominal performa	ance at to = 7.	.2 °C, tc = 54.4 °C			г			20	h = =/=)

Current consumption Mass flow

Cooling capacity

Power input

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

12 120

3 826

6.43

285

3.17

W

W

kg/h

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	bar(g)

Sound power data

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

All performance data +/- 5%



Danfoss scroll compressor. HRP051T4

Performance data at 50 Hz, EN 12900 rating conditions

R407C

Cond. temp. in	Evaporating temperature in °C (to)										
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10		
Cooling capacity	in W										
30	-	3 731	4 750	5 999	7 503	9 285	11 369	13 780	16 541		
35	_	3 472	4 448	5 641	7 075	8 775	10 764	13 067	15 707		
40		3 219	4 149	5 284	6 646	8 262	10 153	12 345	14 861		
45		3219	3 846	4 919	6 208	7 737	9 528	11 606	13 996		
50		-	3 040	4 540	5 753	7 191	8 880	10 842	13 102		
55		-	-	-	5 753	6 618	8 201	10 044	12 171		
60		-	-	-		6 007	7 482	9 202	11 193		
65		-		-	-	-	6 714	8 308	10 159		
03	-			<u> </u>	<u>-</u>		0714	0 300	10 139		
Power input in W		_			1		_				
30	-	1 911	1 974	2 038	2 103	2 172	2 243	2 318	2 397		
35	-	2 329	2 356	2 386	2 419	2 455	2 497	2 543	2 596		
40	-	2 761	2 756	2 755	2 759	2 768	2 784	2 806	2 836		
45	-	-	3 179	3 152	3 131	3 117	3 111	3 113	3 124		
50	-	-	-	3 584	3 542	3 509	3 485	3 471	3 468		
55	-	-	-	-	3 998	3 950	3 913	3 887	3 873		
60	-	-	-	-	-	4 448	4 401	4 367	4 346		
65	-	-	-	-	-	-	4 955	4 917	4 894		
Current consump		1	1.10	1.50		1					
30	-	4.44	4.49	4.53	4.57	4.61	4.63	4.64	4.63		
35	-	4.70	4.72	4.75	4.78	4.82	4.85	4.87	4.88		
40	-	5.06	5.05	5.06	5.08	5.10	5.13	5.16	5.19		
45	-	-	5.49	5.46	5.46	5.47	5.50	5.53	5.56		
50	-	-	-	5.96	5.93	5.93	5.94	5.96	6.00		
55	-	-	-	-	6.50	6.47	6.46	6.48	6.52		
60	-	-	-	-	-	7.11	7.08	7.08	7.10		
65	-	-	-	-	-	-	7.78	7.76	7.77		
Mass flow in kg/h											
30	-	85	106	131	160	194	234	279	331		
35	-	84	105	129	159	193	232	277	329		
40	-	82	102	127	156	190	229	275	327		
45	-	-	99	124	153	187	226	272	324		
50	-	-	-	120	149	183	222	268	320		
55	-	-	-	-	143	178	217	263	316		
60	-	-	-	-	-	171	211	257	311		
65	-	-	-	-	-	-	203	250	303		
Coefficient of per	formance (C. C	D.P.)									
30	-	1.95	2.41	2.94	3.57	4.28	5.07	5.95	6.90		
35	-	1.49	1.89	2.36	2.93	3.57	4.31	5.14	6.05		
40	-	1.17	1.51	1.92	2.41	2.98	3.65	4.40	5.24		
45	-	-	1.21	1.56	1.98	2.48	3.06	3.73	4.48		
50	-	-	-	1.27	1.62	2.05	2.55	3.12	3.78		
55	_	-	_	-	1.32	1.68	2.10	2.58	3.14		
60	-	-	_	_	-	1.35	1.70	2.11	2.58		
65		-	_	-	-	-	1.35	1.69	2.08		

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

	•••	
Cooling capacity	10 842	W
Power input	3 471	W
Current consumption	5.96	Α
Mass flow	268	kg/h
C.O.P.	3.12	

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	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. HRP051T4

Performance data at 50 Hz, ARI rating conditions

R407C

Cooling capacity in W	Cooling capacity in W	Cond. temp. in	Evaporating temperature in °C (to)								
30	30	°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
30	30	Cooling capacity	in W								
35	35			4 007	5.095	6.427	8 029	9 925	12 140	14 700	17 620
40	40								+		
45	45							<u> </u>			
50	50										
55						1					
60	Fig. 10										
Property Property							1				
Power input in W											
30	30	05			-	<u> </u>			7 300	9 340	11 394
35	35	Power input in W									
40	40	30	-	1 911	1 974	2 038	2 103	2 172	2 243	2 318	2 397
45	45	35	-	2 329	2 356	2 386	2 419	2 455	2 497	2 543	2 596
So	50	40	-	2 761	2 756	2 755	2 759	2 768	2 784	2 806	2 836
So	50	45	-	-	3 179	3 152	3 131	3 117	3 111	3 113	3 124
Section Sect	Second S		-	-		3 584	•		3 485		3 468
60	Courset consumption in A	55	-	-	-	-	3 998	3 950	3 913		3 873
Current consumption in A 30	Surrent consumption in A 30		-	-	-	-	-		4 401	4 367	4 346
30	30 - 4.44 4.49 4.53 4.67 4.61 4.63 4.64 4.63 35 - 4.70 4.72 4.75 4.78 4.82 4.85 4.87 4.88 40 - 5.06 5.05 5.06 5.08 5.10 5.13 5.16 5.19 45 5.49 5.46 5.46 5.47 5.50 5.53 5.56 50 5.59 5.96 5.93 5.93 5.94 5.96 6.00 55 5.96 5.93 5.93 5.94 5.96 6.00 65 6.50 6.47 6.46 6.48 6.52 60 7.11 7.08 7.08 7.08 7.10 65 7.11 7.08 7.08 7.07 **Asss flow in kg/h** 30 - 84 106 130 160 193 233 277 329 35 - 83 104 129 158 191 231 275 327 40 - 81 102 126 155 189 228 273 325 40 199 123 152 186 225 270 322 50 1119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 319 55 - 1 119 148 182 221 267 314 55 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	_	-		-				4 894
30	30 - 4.44 4.49 4.53 4.57 4.61 4.63 4.64 4.63 3.5 - 4.70 4.72 4.75 4.76 4.78 4.82 4.85 4.87 4.88 4.90 - 5.06 5.06 5.06 5.06 5.00 5.10 5.13 5.16 5.19 4.5 - 5.06 5.06 5.06 5.00 5.10 5.13 5.16 5.19 4.5 - 5.06 5.06 5.06 5.00 5.10 5.13 5.16 5.19 4.5 - 5.06 5.06 5.00 5.00 5.10 5.13 5.16 5.19 4.5 - 5.00 5.53 5.56 5.00 5.00 5.00 5.00 5.53 5.55 5.50 5.50										
35 - 4.70	35	1.	otion in A	T	1	1		1	T	1	1
40	40 - 5.06 5.05 5.06 5.08 5.10 5.13 5.16 5.19 45 - 5.45 5.49 5.46 5.46 5.47 5.50 5.53 5.56 50 - 7 - 7 5.96 5.93 5.93 5.94 5.96 6.00 55 - 7 - 7 5.96 5.93 5.93 5.94 5.96 6.00 65 - 7 - 7 5.96 5.93 5.93 5.94 5.96 6.00 65 - 7 - 7 5.96 5.93 5.93 5.94 5.96 6.00 65 - 7 - 7 5.96 5.93 5.93 5.94 5.96 6.00 65 - 7 - 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	30	-		4.49	4.53	4.57	4.61	4.63	4.64	4.63
45	45		-					4.82			
50	50	40	-	5.06	5.05	1			5.13		5.19
Section Sect	Section Sect	45	-	-	5.49	5.46	5.46	5.47	5.50	5.53	5.56
60 7.11 7.08 7.08 7.16 65 7.78 7.76 7.7 #ass flow in kg/h 30 - 84 106 130 160 193 233 277 32 40 - 81 102 126 155 189 228 273 32 45 99 123 152 186 225 270 32 50 119 148 182 221 267 31 55 119 148 182 221 267 31 60 119 142 177 216 262 31 60 170 210 256 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 1.33 1.70 2.16 2.69 3.32 4.04 4.8 50 1.33 1.70 2.16 2.69 3.32 4.04 4.8 50 1.33 1.70 2.16 2.69 3.32 4.04 4.8 50 1.33 1.70 2.16 2.69 3.32 4.04 4.8 50 1.33 1.78 2.24 2.78 3.41 4.1	60		-	-	-	5.96	5.93	5.93	5.94	5.96	6.00
Mass flow in kg/h 30 - 84 106 130 160 193 233 277 32 35 - 83 104 129 158 191 231 275 32 40 - 81 102 126 155 189 228 273 32 45 - 99 123 152 186 225 270 32 45 1 119 148 182 221 267 31 55 - 1 - 1 119 148 182 221 267 31 60 - 1 - 1 170 210 256 30 65 - 1 - 1 170 210 256 30 65 - 1 - 1 180 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 127 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 - 1 1.32 1.70 2.16 2.69 3.32 4.04 4.6 50 - 1 1.32 1.70 2.16 2.69 3.32 4.04 4.6 50 - 1 1.39 1.78 2.24 2.78 3.41 4.1 55 - 1 1.61 2.03 1.70 2.16 2.69 3.32 4.04 4.6 50 - 1 1.70 1.89 2.34 2.8	Mass flow in kg/h 30	55	-	-	-	-	6.50	6.47	6.46	6.48	6.52
Mass flow in kg/h 30	Mass flow in kg/h 30		-	-	-	-	-	7.11			
30	30 - 84 106 130 160 193 233 277 329 35 - 83 104 129 158 191 231 275 327 40 - 81 102 126 155 189 228 273 325 45 - 99 123 152 186 225 270 322 50 119 148 182 221 267 319 55 1 - 119 148 182 221 267 319 60 1 - 170 210 256 309 65 1 - 1 - 170 210 256 309 65 - 1 1.61 2.03 2.54 3.14 3.84 4.62 5.50 648 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 1.32 170 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 1.85 2.31 2.84 3.45 60 1 1.51 1.89 2.34 2.85 65 1 1.51 1.89 2.34 2.85	65	-	-	-	-	-	-	7.78	7.76	7.77
30	30 - 84 106 130 160 193 233 277 329 35 - 83 104 129 158 191 231 275 327 40 - 81 102 126 155 189 228 273 325 45 - 99 123 152 186 225 270 322 50 119 148 182 221 267 319 55 1 - 119 148 182 221 267 319 60 1 - 170 210 256 309 65 1 - 1 - 170 210 256 309 65 - 1 1.61 2.03 2.54 3.14 3.84 4.62 5.50 648 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 1.32 170 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.32 1.70 2.16 1.85 2.31 2.84 3.45 60 1 1.51 1.89 2.34 2.85 65 1 1.51 1.89 2.34 2.85	Mass flow in kg/b									
35	35			84	106	130	160	193	233	277	329
40 - 81 102 126 155 189 228 273 32 45 - - 99 123 152 186 225 270 32 50 - - - 119 148 182 221 267 31 55 - - - - 142 177 216 262 31 60 - - - - - 170 210 256 30 65 - - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16	40 - 81 102 126 155 189 228 273 325 45 99 123 152 186 225 270 322 50 1119 148 182 221 267 319 55 142 177 216 262 314 60 170 210 256 309 65 170 210 256 309 65 181 315 3.82 4.57 5.41 6.34 7.35 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.48 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1.33 1.70 2.16 2.69 3.32 4.04 4.84 50 1.39 1.78 2.24 2.78 3.41 4.11 55 1.46 1.85 2.31 2.84 3.45 60 1.51 1.89 2.34 2.85 65 1.51 1.89 2.34 2.85										
45 - - 99 123 152 186 225 270 32 50 - - - 119 148 182 221 267 31 55 - - - - 142 177 216 262 31 60 - - - - - 170 210 256 30 65 - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 <	45					1					
50 - - 119 148 182 221 267 31 55 - - - - 142 177 216 262 31 60 - - - - - 170 210 256 30 65 - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41	So						•				
55 - - - 142 177 216 262 31 60 - - - - 170 210 256 30 65 - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 </td <td> 55</td> <td></td> <td></td> <td></td> <td>+</td> <td>1</td> <td></td> <td>+</td> <td></td> <td></td> <td></td>	55				+	1		+			
60 - - - - - 170 210 256 30 65 - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - - 1.51 1.89	60 - - - - 170 210 256 309 65 - - - - - 202 248 302 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.35 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.48 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 - - - 1.39 1.78 2.24 2.78 3.41 4.11 55 - - - - 1.46 1.85 2.31 2.84 3.45 60 - - - - - 1.51 1.89 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
65 - - - - - 202 248 30 Coefficient of performance (C.O.P.) 30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - - 1.51 1.89 2.34 2.8	Coefficient of performance (C.O.P.) 30	-									
Coefficient of performance (C.O.P.) 30	30							+			
30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.3 35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - - 1.51 1.89 2.34 2.8	30 - 2.10 2.58 3.15 3.82 4.57 5.41 6.34 7.35 3.5 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.48 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 - 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 - 1.39 1.78 2.24 2.78 3.41 4.11 55 - 1.46 1.85 2.31 2.84 3.45 60 - 1.51 1.89 2.34 2.85 65 - 1.51 1.89 2.34 2.85 65 - 1.51 1.53 1.90 2.33	UU	-					<u> </u>	202	Z 4 0	302
35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.4 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - 1.51 1.89 2.34 2.8	35 - 1.61 2.03 2.54 3.14 3.84 4.62 5.50 6.48 40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 1 1.39 1.78 2.24 2.78 3.41 4.11 55 1 1.46 1.85 2.31 2.84 3.45 60 1.51 1.89 2.34 2.85 65 1.53 1.90 2.33 Nominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	Coefficient of per	formance (C.	O.P.)			_				
40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.6 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - 1.51 1.89 2.34 2.8	40 - 1.27 1.63 2.08 2.60 3.22 3.93 4.74 5.64 45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 - - - 1.39 1.78 2.24 2.78 3.41 4.11 55 - - - 1.46 1.85 2.31 2.84 3.45 60 - - - - 1.51 1.89 2.34 2.85 65 - - - - 1.53 1.90 2.33 Nominal performance at to = 7.2 °C, tc = 54.4 °C	30	-	2.10	2.58	3.15	3.82	4.57	5.41	6.34	7.35
45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.8 50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - 1.51 1.89 2.34 2.8	45 - - 1.32 1.70 2.16 2.69 3.32 4.04 4.84 50 - - - 1.39 1.78 2.24 2.78 3.41 4.11 55 - - - - 1.46 1.85 2.31 2.84 3.45 60 - - - - 1.51 1.89 2.34 2.85 65 - - - - 1.53 1.90 2.33 Hominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	35	-	1.61	2.03	2.54	3.14	3.84	4.62	5.50	6.48
50 - - - 1.39 1.78 2.24 2.78 3.41 4.1 55 - - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - 1.51 1.89 2.34 2.8	50 - - 1.39 1.78 2.24 2.78 3.41 4.11 55 - - - 1.46 1.85 2.31 2.84 3.45 60 - - - - 1.51 1.89 2.34 2.85 65 - - - - 1.53 1.90 2.33 Hominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	40	-	1.27	1.63	2.08	2.60	3.22	3.93	4.74	5.64
55 - - - 1.46 1.85 2.31 2.84 3.4 60 - - - - 1.51 1.89 2.34 2.8	55 - - - 1.46 1.85 2.31 2.84 3.45 60 - - - - 1.51 1.89 2.34 2.85 65 - - - - 1.53 1.90 2.33	45	-	-	1.32	1.70	2.16	2.69	3.32	4.04	4.84
60 1.51 1.89 2.34 2.8	60 1.51 1.89 2.34 2.85 65 1.53 1.90 2.33 Nominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	50	-	-	-	1.39	1.78	2.24	2.78	3.41	4.11
	65 1.53 1.90 2.33 Nominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	55	-	-	-	-	1.46	1.85	2.31	2.84	3.45
65 1.53 1.90 2.3	Nominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings		-	-	-	-	-	1.51	1.89	2.34	2.85
	Iominal performance at to = 7.2 °C, tc = 54.4 °C Pressure switch settings	65	-	-	-	-	-	-	1.53	1.90	2.33
		lominal performa	ance at to = 7.	.2 °C, tc = 54.4 °C			г			20	h = =/=)

Current consumption Mass flow

Cooling capacity

Power input

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

12 120

3 826

6.43

285

3.17

W

W

kg/h

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	bar(g)

Sound power data

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

All performance data +/- 5%



Danfoss scroll compressor. HRP051T4

Performance data at 60 Hz, EN 12900 rating conditions

R407C

Cond. temp. in	Evaporating temperature in °C (to)								
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling consoit	v in W								
30	y III vv -	4 342	5 572	7 067	8 857	10 970	13 436	16 283	19 542
35		4 086	5 253			10 370			
				6 673	8 374		12 735	15 454	18 569
40	-	3 816	4 921	6 266	7 878	9 787	12 022	14 611	17 584
45	-	-	4 567	5 836	7 360	9 167	11 286	13 745	16 575
50	-	-	-	5 376	6 811	8 516	10 518	12 848	15 534
55	-	-	-	-	6 223	7 824	9 710	11 909	14 450
60	-	-	-	-	-	7 084	8 852	10 919	13 313
65	-	-	-	-	-	-	7 934	9 867	12 112
Power input in V	N								
30	-	2 647	2 632	2 623	2 612	2 594	2 563	2 512	2 434
35	-	2 981	2 959	2 944	2 931	2 912	2 882	2 834	2 761
40	-	3 344	3 316	3 298	3 282	3 264	3 235	3 191	3 125
45	-	-	3 711	3 690	3 673	3 655	3 630	3 590	3 531
50	-	-	-	4 126	4 109	4 093	4 071	4 038	3 986
55	-	-	-	-	4 597	4 583	4 566	4 539	4 496
60	-	-	-	-	-	5 132	5 120	5 101	5 068
65	-	-	-	-	-	-	5 740	5 729	5 706
ı		1			1	•	-		
Current consum	ption in A	_		_	1	ı	1	1	_
30	-	4.03	3.96	3.95	3.97	3.99	4.00	3.96	3.85
35	-	4.31	4.24	4.22	4.23	4.25	4.25	4.19	4.07
40	-	4.63	4.55	4.54	4.55	4.56	4.55	4.48	4.35
45	-	-	4.90	4.89	4.90	4.91	4.90	4.83	4.69
50	-	-	-	5.28	5.30	5.31	5.30	5.23	5.09
55	-	-	-	-	5.73	5.75	5.74	5.68	5.54
60	-	-	-	-	-	6.24	6.24	6.18	6.04
65	-	-	-	-	-	-	6.77	6.73	6.60
Anna flavorim lead	n-								
Mass flow in kg		07	400	450	400	200	077	000	004
30	-	97	123	153	188	229	277	330	391
35	-	96	121	151	187	228	274	328	388
40	-	95	120	150	185	225	272	325	385
45	-		118	147	182	223	269	322	382
50	-	-	-	144	179	219	266	319	379
55 60	-	-	-	-	174	215	261	314	374
60	-	-	-	-	-	209	255	308	368
65	-	-	-	-	-	-	248	301	361
Coefficient of pe	erformance (C.	O.P.)	T						
30	-	1.64	2.12	2.69	3.39	4.23	5.24	6.48	8.03
35	-	1.37	1.78	2.27	2.86	3.57	4.42	5.45	6.72
40	-	1.14	1.48	1.90	2.40	3.00	3.72	4.58	5.63
45	-	-	1.23	1.58	2.00	2.51	3.11	3.83	4.69
50	-	-	-	1.30	1.66	2.08	2.58	3.18	3.90
55	-	-	-	-	1.35	1.71	2.13	2.62	3.21
60	-	-	-	-	-	1.38	1.73	2.14	2.63
65	_	-	_	_	_	-	1.38	1.72	2.12

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

-,		
Cooling capacity	12 848	W
Power input	4 038	W
Current consumption	5.23	Α
Mass flow	319	kg/h
C.O.P.	3.18	

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	bar(g)

Sound power data

Sound power level	73	dB(A)	
With accoustic hood	66	dB(A)	

All performance data +/- 5%

tc: Condensing temperature at dew point



Danfoss scroll compressor. HRP051T4

Performance data at 60 Hz, ARI rating conditions

R407C

Cond. temp. in	p. in Evaporating temperature in °C (to)								
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	in W								
30	-	4 663	5 976	7 571	9 478	11 727	14 348	17 371	20 828
35		4 409	5 662	7 183	9 002	11 151	13 659	16 557	19 874
					1	1		1	
40 45	<u>-</u>	4 142	5 334	6 781	8 514	10 563	12 959 12 237	15 731 14 884	18 910 17 925
-			4 983	6 357	8 004	9 954			
50	-	-		5 900	7 461	9 313	11 484	14 006	16 909
55	-	-	-	-	6 877	8 630	10 690	13 088	15 854
60	-	-	-	-	-	7 897	9 846	12 120	14 749
65	-	-	-	-	-	-	8 941	11 092	13 584
Power input in W									
30	-	2 647	2 632	2 623	2 612	2 594	2 563	2 512	2 434
35	-	2 981	2 959	2 944	2 931	2 912	2 882	2 834	2 761
40	-	3 344	3 316	3 298	3 282	3 264	3 235	3 191	3 125
45	-	-	3 711	3 690	3 673	3 655	3 630	3 590	3 531
50	_	_	-	4 126	4 109	4 093	4 071	4 038	3 986
55	_	_	_	-	4 597	4 583	4 566	4 539	4 496
60	_	-	-	_	-	5 132	5 120	5 101	5 068
65	_	-	_	-	_	-	5 740	5 729	5 706
-		_	_	_		_	1 0770	0.20	3700
Current consump	tion in A								
30	-	4.03	3.96	3.95	3.97	3.99	4.00	3.96	3.85
35	-	4.31	4.24	4.22	4.23	4.25	4.25	4.19	4.07
40	-	4.63	4.55	4.54	4.55	4.56	4.55	4.48	4.35
45	-	-	4.90	4.89	4.90	4.91	4.90	4.83	4.69
50	-	-	-	5.28	5.30	5.31	5.30	5.23	5.09
55	-	-	-	-	5.73	5.75	5.74	5.68	5.54
60	-	-	-	-	-	6.24	6.24	6.18	6.04
65	-	-	-	-	-	-	6.77	6.73	6.60
1			1	ı		1		l	
Mass flow in kg/h			Т	1	T	T	T	T	1
30	-	97	122	152	187	228	275	328	389
35	-	96	121	151	186	226	273	326	386
40	-	95	119	149	184	224	271	323	383
45	-	-	117	147	181	222	268	321	380
50	-	-	-	143	178	218	264	317	376
55	-	-	-	-	174	214	260	312	372
60	-	-	-	-	-	208	254	306	366
65	-	-	-	-	-	-	246	299	358
Coefficient of per	formance (C.0	D.P.)							
30	-	1.76	2.27	2.89	3.63	4.52	5.60	6.92	8.56
35	-	1.48	1.91	2.44	3.07	3.83	4.74	5.84	7.20
40	-	1.24	1.61	2.06	2.59	3.24	4.01	4.93	6.05
45	-	-	1.34	1.72	2.18	2.72	3.37	4.15	5.08
50	-	-	-	1.43	1.82	2.28	2.82	3.47	4.24
55	-	-	-	-	1.50	1.88	2.34	2.88	3.53
60	-	-	-	-	-	1.54	1.92	2.38	2.91
		1	1	+	 	+	1.56	1.94	2.38

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

reciminal portermance at to 7:2 0, to	04.4	
Cooling capacity	14 378	W
Power input	4 459	W
Current consumption	5.57	Α
Mass flow	338	kg/h
C.O.P.	3.22	

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	bar(g)

Sound power data

Sound power level	73	dB(A)
With accoustic hood	66	dB(A)

All performance data +/- 5%

tc: Condensing temperature at dew point



Danfoss scroll compressor. HRP051T4

Performance data at 60 Hz, EN 12900 rating conditions

R407C

Cond. temp. in	Evaporating temperature in °C (to)								
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling consoit	ı, in M								
30	y III vv -	4 342	5 572	7 067	8 857	10 970	13 436	16 283	19 542
35		4 086	5 253			10 370			t
				6 673	8 374		12 735	15 454	18 569
40	-	3 816	4 921	6 266	7 878	9 787	12 022	14 611	17 584
45	-	-	4 567	5 836	7 360	9 167	11 286	13 745	16 575
50	-	-	-	5 376	6 811	8 516	10 518	12 848	15 534
55	-	-	-	-	6 223	7 824	9 710	11 909	14 450
60	-	-	-	-	-	7 084	8 852	10 919	13 313
65	-	-	-	-	-	-	7 934	9 867	12 112
Power input in V	N								
30	-	2 647	2 632	2 623	2 612	2 594	2 563	2 512	2 434
35	-	2 981	2 959	2 944	2 931	2 912	2 882	2 834	2 761
40	-	3 344	3 316	3 298	3 282	3 264	3 235	3 191	3 125
45	-	-	3 711	3 690	3 673	3 655	3 630	3 590	3 531
50	-	-	-	4 126	4 109	4 093	4 071	4 038	3 986
55	-	-	-	-	4 597	4 583	4 566	4 539	4 496
60	-	-	-	-	-	5 132	5 120	5 101	5 068
65	-	-	-	-	-	-	5 740	5 729	5 706
ı		1			1	•		-	
Current consum	ption in A	_			1	ı	1	1	_
30	-	4.03	3.96	3.95	3.97	3.99	4.00	3.96	3.85
35	-	4.31	4.24	4.22	4.23	4.25	4.25	4.19	4.07
40	-	4.63	4.55	4.54	4.55	4.56	4.55	4.48	4.35
45	-	-	4.90	4.89	4.90	4.91	4.90	4.83	4.69
50	-	-	-	5.28	5.30	5.31	5.30	5.23	5.09
55	-	-	-	-	5.73	5.75	5.74	5.68	5.54
60	-	-	-	-	-	6.24	6.24	6.18	6.04
65	-	-	-	-	-	-	6.77	6.73	6.60
	n.								
Mass flow in kg		07	400	450	400	200	077	000	004
30	-	97	123	153	188	229	277	330	391
35	-	96	121	151	187	228	274	328	388
40	-	95	120	150	185	225	272	325	385
45	-		118	147	182	223	269	322	382
50	-	-	-	144	179	219	266	319	379
55	-	-	-	-	174	215	261	314	374
60	-	-	-	-	-	209	255	308	368
65	-	-	-	-	-	-	248	301	361
Coefficient of pe	erformance (C.	O.P.)	T						
30	-	1.64	2.12	2.69	3.39	4.23	5.24	6.48	8.03
35	-	1.37	1.78	2.27	2.86	3.57	4.42	5.45	6.72
40	-	1.14	1.48	1.90	2.40	3.00	3.72	4.58	5.63
45	-	-	1.23	1.58	2.00	2.51	3.11	3.83	4.69
50	-	-	-	1.30	1.66	2.08	2.58	3.18	3.90
55	-	-	-	-	1.35	1.71	2.13	2.62	3.21
60	-	-	-	-	_	1.38	1.73	2.14	2.63
65	_	-	_	_	_	-	1.38	1.72	2.12

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

-,		
Cooling capacity	12 848	W
Power input	4 038	W
Current consumption	5.23	Α
Mass flow	319	kg/h
C.O.P.	3.18	

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	bar(g)

Sound power data

Sound power level	73	dB(A)	
With accoustic hood	66	dB(A)	

All performance data +/- 5%

tc: Condensing temperature at dew point



Danfoss scroll compressor. HRP051T4

Performance data at 60 Hz, ARI rating conditions

R407C

Cond. temp. in Evaporating temperature in °C (to)									
°C (tc)	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity	in W								
30	-	4 663	5 976	7 571	9 478	11 727	14 348	17 371	20 828
35		4 409	5 662	7 183	9 002	11 151	13 659	16 557	19 874
					1	1		1	
40	<u>-</u>	4 142	5 334	6 781	8 514	10 563	12 959	15 731	18 910
45			4 983	6 357	8 004	9 954	12 237	14 884	17 925
50	-	-	-	5 900	7 461	9 313	11 484	14 006	16 909
55	-	-	-	-	6 877	8 630	10 690	13 088	15 854
60	-	-	-	-	-	7 897	9 846	12 120	14 749
65	-	-	-	-	-	-	8 941	11 092	13 584
Power input in W									
30	-	2 647	2 632	2 623	2 612	2 594	2 563	2 512	2 434
35	-	2 981	2 959	2 944	2 931	2 912	2 882	2 834	2 761
40	-	3 344	3 316	3 298	3 282	3 264	3 235	3 191	3 125
45	-	-	3 711	3 690	3 673	3 655	3 630	3 590	3 531
50	_	_	-	4 126	4 109	4 093	4 071	4 038	3 986
55	_	_	_	-	4 597	4 583	4 566	4 539	4 496
60	_	-	-	_	-	5 132	5 120	5 101	5 068
65	_	-	_	-	_	-	5 740	5 729	5 706
-		_	_	_		_	1 0740	0.20	3700
Current consump	tion in A								
30	-	4.03	3.96	3.95	3.97	3.99	4.00	3.96	3.85
35	-	4.31	4.24	4.22	4.23	4.25	4.25	4.19	4.07
40	-	4.63	4.55	4.54	4.55	4.56	4.55	4.48	4.35
45	-	-	4.90	4.89	4.90	4.91	4.90	4.83	4.69
50	-	-	-	5.28	5.30	5.31	5.30	5.23	5.09
55	-	-	-	-	5.73	5.75	5.74	5.68	5.54
60	-	-	-	-	-	6.24	6.24	6.18	6.04
65	-	-	-	-	-	-	6.77	6.73	6.60
1			1	ı		1		l	
Mass flow in kg/h			Т	1	T	T	T	T	1
30	-	97	122	152	187	228	275	328	389
35	-	96	121	151	186	226	273	326	386
40	-	95	119	149	184	224	271	323	383
45	-	-	117	147	181	222	268	321	380
50	-	-	-	143	178	218	264	317	376
55	-	-	-	-	174	214	260	312	372
60	-	-	-	-	-	208	254	306	366
65	-	-	-	-	-	-	246	299	358
Coefficient of per	formance (C.0	D.P.)							
30	-	1.76	2.27	2.89	3.63	4.52	5.60	6.92	8.56
35	-	1.48	1.91	2.44	3.07	3.83	4.74	5.84	7.20
40	-	1.24	1.61	2.06	2.59	3.24	4.01	4.93	6.05
45	-	-	1.34	1.72	2.18	2.72	3.37	4.15	5.08
50	-	-	-	1.43	1.82	2.28	2.82	3.47	4.24
55	-	-	-	-	1.50	1.88	2.34	2.88	3.53
60	-	-	-	-	-	1.54	1.92	2.38	2.91
		1	1	+	 	+	1.56	1.94	2.38

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

reciminal portermance at to 7:2 0, to	04.4	
Cooling capacity	14 378	W
Power input	4 459	W
Current consumption	5.57	Α
Mass flow	338	kg/h
C.O.P.	3.22	

to: Evaporating temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	30	bar(g)
Minimum LP switch setting	0.5	bar(g)
LP pump down setting	1	bar(g)

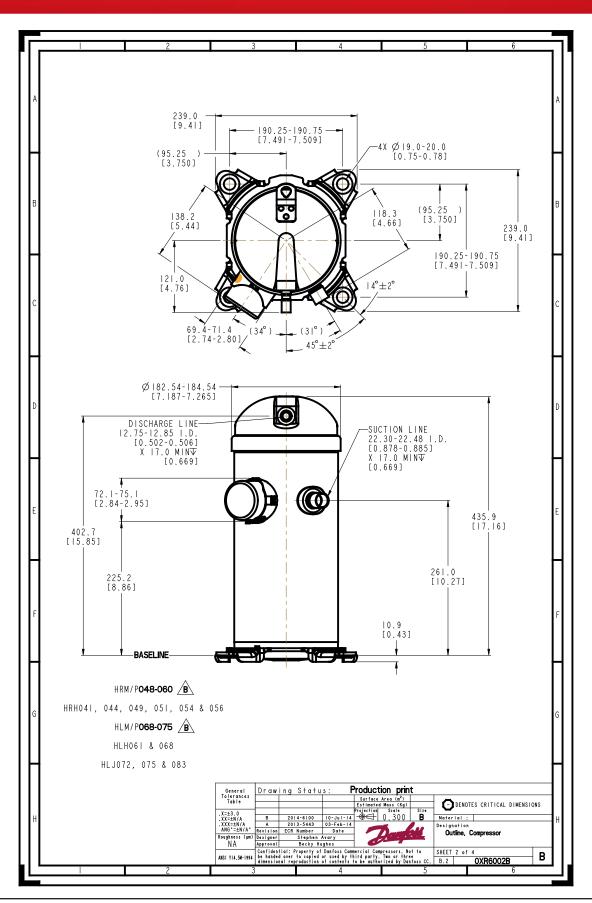
Sound power data

Sound power level	73	dB(A)
With accoustic hood	66	dB(A)

All performance data +/- 5%

tc: Condensing temperature at dew point





Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alternations can be made without subsequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss, the Danfoss logotype and Maneurop are trademarks of Danfoss A/S. All rights reserved.

FRCC.PD.0XR6002Bb page drawings