ENGINEERING
TOMORROW

Datasheets

Danfoss Reciprocating compressors
MT / MTZ / NTZ

FRCC.UD.160414.163813

www.danfoss.com/odsg

General Characteristics

Model number (on compressor nameplate)		**MTZ40JH4AVE**
Code number for Singlepack*		MTZ40-4VI
Code number for Industrial pack**		MTZ40-4VM
Drawing number		8501025f
Suction and discharge connections		Rotolock
Suction connection		1-1/4 " Rotolock
Discharge connection		1 " Rotolock
Suction connection with supplied sleeve		5/8 " ODF
Discharge connection with supplied sleeve		1/2 " ODF
Oil sight glass		Threaded
Oil equalisation connection		3/8" flare SAE
Oil drain connection		None
LP gauge port		Schrader
IPR valve		30 bar / 8 bar
Cylinders	1	
Swept volume	67,89 cm3/rev	
Displacement @ Nominal speed	11.8 m3/h @ 2900 rpm - 14.3 m3/h @ 3500 rpm	
Net weight	26 kg	
Oil charge	0,95 litre, POE - 160PZ	
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	12	
Refrigerant charge limit	2,5 kg	
Approved refrigerants	R404A, R507A, R134a, R407C, R407A, R407F	

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 25ºC	4.56 Ω
Maximum Continuous Current (MCC)	10 A
Locked Rotor Amps (LRA)	38 A
Motor protection	Internal overload protector

Recommended Installation torques

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

Parts shipped with compressor

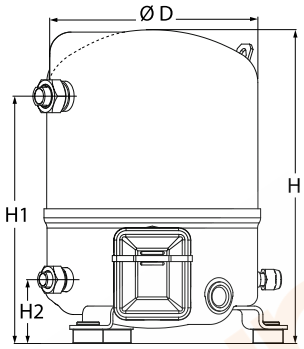
Mounting kit with grommets, bolts, nuts, sleeves and washers
Suction & Discharge solder sleeves, rotolock nuts and gaskets (shipped with rotolock version only)
Initial oil charge
Installation instructions

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

*Singlepack: Compressor in cardboard box

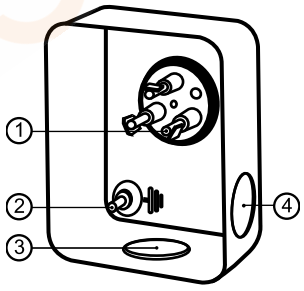
**Industrial pack: 12 Unboxed compressors on pallet (order per multiples of 12)

Dimensions



D=224 mm
H=356 mm
H1=263 mm
H2=68 mm
H3=- mm

Terminal box



IP55 (with cable gland)

1: Spade connectors 1/4"
2: Earth M4-12
3: Knock-out Ø 21 mm (0.83")
4: Hole Ø 21 mm (0.83")

Rotolock accessories, suction side	Code no.
Solder sleeve, P09 (1-1/4" Rotolock, 5/8" ODF)	8153011
Angle adapter, C09 (1-1/4" Rotolock, 5/8" ODF)	8168009
Rotolock valve, V09 (1-1/4" Rotolock, 5/8" ODF)	8168033
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.
Angle adapter set, C09 (1-1/4"~5/8"), C06 (1"~1/2")	7703012
Valve set, V09 (1-1/4"~5/8"), V06 (1"~1/2")	7703005
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009

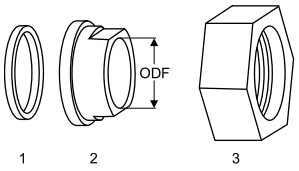
Oil / lubricants	Code no.
POE lubricant, 160PZ, 1 litre can	7754019
POE lubricant, 160PZ, 2.5 litre can	120Z0573

Crankcase heaters	Code no.
PTC heater 27W,CE mark, UL	120Z0459
Belt type crankcase heater, 54 W, 230 V, CE mark, UL	7773106
Belt type crankcase heater, 54 W, 400 V, UL	7773013

Miscellaneous accessories	Code no.
Electronic soft start kit, MCI 15 C	7705006
Acoustic hood for 1 cylinder compressor	120Z0471
Oil equalisation nut	8153127

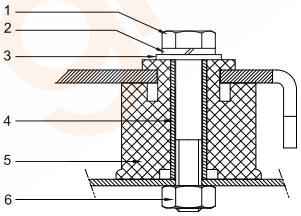
Spare parts	Code no.
Mounting kit for 1 and 2 cylinder compressor, including 3 grommets, 3 bolts	8156001
Oil sight glass with gaskets (black & white)	8156019
Gasket for oil sight glass (black chloroprene)	8156145
Service kit for terminal box 80 x 96 mm, including 1 cover, 1 clamp	8156134

Gaskets, sleeves and nuts



1: Gasket
2: Solder sleeve
3: Rotolock nut

Mounting kit



1: Bolt (3x)
2: Lock washer (3x)
3: Flat washer (3x)
4: Sleeve (3x)
5: Grommet (3x)
6: Nut (3x)

Performance data at 50 Hz, EN 12900 rating conditions

R407C

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-15	-10	-5	0	5	10	15		
Cooling capacity in W									
35	4 283	5 574	7 096	8 876	10 939	13 312	16 019	-	-
40	3 928	5 152	6 585	8 252	10 179	12 392	14 916	-	-
45	3 557	4 719	6 067	7 625	9 420	11 477	13 822	-	-
50	-	4 271	5 537	6 991	8 658	10 564	12 734	-	-
55	-	-	4 992	6 345	7 889	9 647	11 647	-	-
60	-	-	-	5 683	7 108	8 723	10 556	-	-
65	-	-	-	5 001	6 310	7 787	9 458	-	-
Power input in W									
35	2 036	2 254	2 445	2 609	2 746	2 854	2 935	-	-
40	2 119	2 373	2 597	2 793	2 959	3 094	3 198	-	-
45	2 182	2 479	2 744	2 977	3 179	3 348	3 483	-	-
50	-	2 567	2 879	3 158	3 402	3 611	3 785	-	-
55	-	-	2 999	3 330	3 624	3 880	4 099	-	-
60	-	-	-	3 489	3 840	4 150	4 420	-	-
65	-	-	-	3 632	4 045	4 417	4 746	-	-
Current consumption in A									
35	4.68	4.93	5.15	5.34	5.51	5.64	5.73	-	-
40	4.78	5.08	5.36	5.60	5.81	5.98	6.11	-	-
45	4.85	5.22	5.56	5.86	6.13	6.35	6.52	-	-
50	-	5.34	5.76	6.13	6.46	6.74	6.98	-	-
55	-	-	5.94	6.39	6.80	7.16	7.47	-	-
60	-	-	-	6.64	7.14	7.59	7.98	-	-
65	-	-	-	6.88	7.48	8.02	8.51	-	-
Mass flow in kg/h									
35	93	119	149	183	223	267	317	-	-
40	90	116	145	179	217	261	309	-	-
45	86	112	141	174	212	254	301	-	-
50	-	107	136	169	206	247	293	-	-
55	-	-	131	163	199	239	284	-	-
60	-	-	-	156	192	231	275	-	-
65	-	-	-	149	184	222	265	-	-
Coefficient of performance (C.O.P.)									
35	2.10	2.47	2.90	3.40	3.98	4.66	5.46	-	-
40	1.85	2.17	2.54	2.95	3.44	4.01	4.66	-	-
45	1.63	1.90	2.21	2.56	2.96	3.43	3.97	-	-
50	-	1.66	1.92	2.21	2.55	2.93	3.36	-	-
55	-	-	1.66	1.91	2.18	2.49	2.84	-	-
60	-	-	-	1.63	1.85	2.10	2.39	-	-
65	-	-	-	1.38	1.56	1.76	1.99	-	-

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

Cooling capacity	8 658	W
Power input	3 402	W
Current consumption	6.46	A
Mass flow	206	kg/h
C.O.P.	2.55	

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Pressure switch settings

Maximum HP switch setting	29.4	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	1.3	bar(g)

Sound power data

Sound power level	74	dB(A)
With accoustic hood	69	dB(A)

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 10 K , Subcooling = 0 K

All performance data +/- 5%

Performance data at 50 Hz, ARI rating conditions

R407C

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-15	-10	-5	0	5	10	15		
Cooling capacity in W									
35	4 610	5 992	7 619	9 520	11 720	14 247	17 128	-	-
40	4 251	5 568	7 107	8 895	10 959	13 326	16 023	-	-
45	3 874	5 132	6 588	8 268	10 201	12 412	14 930	-	-
50	-	4 678	6 056	7 633	9 439	11 500	13 843	-	-
55	-	-	5 506	6 986	8 670	10 585	12 759	-	-
60	-	-	-	6 321	7 889	9 664	11 674	-	-
65	-	-	-	5 635	7 093	8 734	10 585	-	-
Power input in W									
35	2 036	2 254	2 445	2 609	2 746	2 854	2 935	-	-
40	2 119	2 373	2 597	2 793	2 959	3 094	3 198	-	-
45	2 182	2 479	2 744	2 977	3 179	3 348	3 483	-	-
50	-	2 567	2 879	3 158	3 402	3 611	3 785	-	-
55	-	-	2 999	3 330	3 624	3 880	4 099	-	-
60	-	-	-	3 489	3 840	4 150	4 420	-	-
65	-	-	-	3 632	4 045	4 417	4 746	-	-
Current consumption in A									
35	4.68	4.93	5.15	5.34	5.51	5.64	5.73	-	-
40	4.78	5.08	5.36	5.60	5.81	5.98	6.11	-	-
45	4.85	5.22	5.56	5.86	6.13	6.35	6.52	-	-
50	-	5.34	5.76	6.13	6.46	6.74	6.98	-	-
55	-	-	5.94	6.39	6.80	7.16	7.47	-	-
60	-	-	-	6.64	7.14	7.59	7.98	-	-
65	-	-	-	6.88	7.48	8.02	8.51	-	-
Mass flow in kg/h									
35	92	118	148	182	221	266	316	-	-
40	89	115	144	178	216	259	307	-	-
45	85	111	140	173	210	252	299	-	-
50	-	106	135	168	204	245	291	-	-
55	-	-	130	162	198	238	282	-	-
60	-	-	-	155	191	230	273	-	-
65	-	-	-	148	183	221	263	-	-
Coefficient of performance (C.O.P.)									
35	2.26	2.66	3.12	3.65	4.27	4.99	5.84	-	-
40	2.01	2.35	2.74	3.19	3.70	4.31	5.01	-	-
45	1.78	2.07	2.40	2.78	3.21	3.71	4.29	-	-
50	-	1.82	2.10	2.42	2.77	3.18	3.66	-	-
55	-	-	1.84	2.10	2.39	2.73	3.11	-	-
60	-	-	-	1.81	2.05	2.33	2.64	-	-
65	-	-	-	1.55	1.75	1.98	2.23	-	-

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

Cooling capacity	9 582	W
Power input	3 712	W
Current consumption	6.92	A
Mass flow	216	kg/h
C.O.P.	2.58	

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Pressure switch settings

Maximum HP switch setting	29.4	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	1.3	bar(g)

Sound power data

Sound power level	74	dB(A)
With accoustic hood	69	dB(A)

All performance data +/- 5%

Performance data at 50 Hz, EN 12900 rating conditions

R134a

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-15	-10	-5	0	5	10	15	20	
Cooling capacity in W									
35	2 832	3 614	4 531	5 599	6 830	8 240	9 843	11 651	-
40	2 642	3 394	4 274	5 298	6 479	7 831	9 368	11 105	-
45	2 446	3 163	4 002	4 978	6 103	7 393	8 861	10 521	-
50	2 241	2 920	3 713	4 636	5 703	6 926	8 320	9 899	-
55	2 027	2 662	3 406	4 272	5 275	6 427	7 743	9 237	-
60	-	2 389	3 079	3 884	4 818	5 895	7 129	8 532	-
65	-	-	-	3 470	4 331	5 328	6 475	7 784	-
70	-	-	-	-	-	4 726	5 780	6 990	-
Power input in W									
35	1 325	1 445	1 555	1 653	1 733	1 791	1 824	1 827	-
40	1 400	1 531	1 656	1 771	1 872	1 954	2 013	2 046	-
45	1 465	1 610	1 752	1 887	2 010	2 118	2 205	2 269	-
50	1 520	1 681	1 842	1 998	2 145	2 280	2 398	2 495	-
55	1 564	1 742	1 923	2 103	2 276	2 440	2 590	2 722	-
60	-	1 791	1 995	2 200	2 402	2 597	2 780	2 949	-
65	-	-	-	2 287	2 519	2 747	2 967	3 174	-
70	-	-	-	-	-	2 891	3 149	3 397	-
Current consumption in A									
35	3.51	3.65	3.79	3.91	4.01	4.10	4.16	4.20	-
40	3.57	3.73	3.89	4.04	4.19	4.31	4.43	4.52	-
45	3.62	3.81	4.00	4.19	4.37	4.55	4.71	4.86	-
50	3.68	3.90	4.12	4.35	4.58	4.80	5.02	5.23	-
55	3.74	3.99	4.25	4.52	4.80	5.08	5.35	5.62	-
60	-	4.08	4.39	4.70	5.03	5.37	5.71	6.05	-
65	-	-	-	4.90	5.28	5.68	6.08	6.49	-
70	-	-	-	-	-	6.01	6.48	6.97	-
Mass flow in kg/h									
35	69	86	105	127	152	180	212	246	-
40	67	85	104	126	151	179	211	245	-
45	66	83	103	125	150	178	209	244	-
50	64	81	101	123	148	176	207	241	-
55	62	79	98	120	145	173	203	237	-
60	-	76	95	117	142	169	199	233	-
65	-	-	-	113	138	164	194	228	-
70	-	-	-	-	-	159	189	221	-
Coefficient of performance (C.O.P.)									
35	2.14	2.50	2.91	3.39	3.94	4.60	5.40	6.38	-
40	1.89	2.22	2.58	2.99	3.46	4.01	4.65	5.43	-
45	1.67	1.96	2.28	2.64	3.04	3.49	4.02	4.64	-
50	1.47	1.74	2.02	2.32	2.66	3.04	3.47	3.97	-
55	1.30	1.53	1.77	2.03	2.32	2.63	2.99	3.39	-
60	-	1.33	1.54	1.77	2.01	2.27	2.56	2.89	-
65	-	-	-	1.52	1.72	1.94	2.18	2.45	-
70	-	-	-	-	-	1.63	1.84	2.06	-

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

Cooling capacity	5 703	W
Power input	2 145	W
Current consumption	4.58	A
Mass flow	148	kg/h
C.O.P.	2.66	

Pressure switch settings

Maximum HP switch setting	22.6	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	0.5	bar(g)

Sound power data

Sound power level	0	dB(A)
With accoustic hood	0	dB(A)

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 10 K , Subcooling = 0 K

All performance data +/- 5%

Performance data at 50 Hz, ARI rating conditions

R134a

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-15	-10	-5	0	5	10	15	20	
Cooling capacity in W									
35	3 068	3 907	4 891	6 034	7 351	8 856	10 563	12 488	-
40	2 878	3 689	4 637	5 738	7 006	8 454	10 099	11 953	-
45	2 680	3 458	4 367	5 421	6 635	8 023	9 600	11 380	-
50	2 474	3 214	4 079	5 082	6 238	7 561	9 066	10 767	-
55	2 256	2 955	3 771	4 718	5 811	7 064	8 493	10 111	-
60	-	2 677	3 440	4 327	5 353	6 533	7 880	9 411	-
65	-	-	-	3 907	4 862	5 963	7 225	8 664	-
70	-	-	-	-	-	5 354	6 526	7 868	-
Power input in W									
35	1 325	1 445	1 555	1 653	1 733	1 791	1 824	1 827	-
40	1 400	1 531	1 656	1 771	1 872	1 954	2 013	2 046	-
45	1 465	1 610	1 752	1 887	2 010	2 118	2 205	2 269	-
50	1 520	1 681	1 842	1 998	2 145	2 280	2 398	2 495	-
55	1 564	1 742	1 923	2 103	2 276	2 440	2 590	2 722	-
60	-	1 791	1 995	2 200	2 402	2 597	2 780	2 949	-
65	-	-	-	2 287	2 519	2 747	2 967	3 174	-
70	-	-	-	-	-	2 891	3 149	3 397	-
Current consumption in A									
35	3.51	3.65	3.79	3.91	4.01	4.10	4.16	4.20	-
40	3.57	3.73	3.89	4.04	4.19	4.31	4.43	4.52	-
45	3.62	3.81	4.00	4.19	4.37	4.55	4.71	4.86	-
50	3.68	3.90	4.12	4.35	4.58	4.80	5.02	5.23	-
55	3.74	3.99	4.25	4.52	4.80	5.08	5.35	5.62	-
60	-	4.08	4.39	4.70	5.03	5.37	5.71	6.05	-
65	-	-	-	4.90	5.28	5.68	6.08	6.49	-
70	-	-	-	-	-	6.01	6.48	6.97	-
Mass flow in kg/h									
35	68	85	105	127	151	179	210	245	-
40	67	84	104	126	151	178	210	244	-
45	66	83	102	124	149	177	208	242	-
50	64	81	100	122	147	175	206	240	-
55	61	79	98	120	144	172	202	236	-
60	-	76	95	117	141	168	198	232	-
65	-	-	-	113	137	164	193	226	-
70	-	-	-	-	-	158	188	220	-
Coefficient of performance (C.O.P.)									
35	2.31	2.70	3.15	3.65	4.24	4.94	5.79	6.83	-
40	2.06	2.41	2.80	3.24	3.74	4.33	5.02	5.84	-
45	1.83	2.15	2.49	2.87	3.30	3.79	4.35	5.02	-
50	1.63	1.91	2.21	2.54	2.91	3.32	3.78	4.32	-
55	1.44	1.70	1.96	2.24	2.55	2.89	3.28	3.71	-
60	-	1.49	1.72	1.97	2.23	2.52	2.83	3.19	-
65	-	-	-	1.71	1.93	2.17	2.44	2.73	-
70	-	-	-	-	-	1.85	2.07	2.32	-

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

Cooling capacity	6 398	W
Power input	2 333	W
Current consumption	4.89	A
Mass flow	156	kg/h
C.O.P.	2.74	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

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

Pressure switch settings

Maximum HP switch setting	22.6	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	0.5	bar(g)

Sound power data

Sound power level	0	dB(A)
With accoustic hood	0	dB(A)

All performance data +/- 5%

Performance data at 50 Hz, EN 12900 rating conditions

R404A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity in W									
30	2 448	3 330	4 396	5 669	7 172	8 925	10 953	13 277	15 919
35	2 168	2 997	3 993	5 177	6 573	8 202	10 087	12 250	14 713
40	1 885	2 659	3 581	4 674	5 959	7 461	9 200	11 200	13 482
45	1 601	2 316	3 161	4 159	5 333	6 704	8 294	10 128	12 225
50	1 314	1 968	2 734	3 635	4 693	5 930	7 370	9 033	10 944
55	-	1 616	2 300	3 101	4 040	5 141	6 427	7 918	9 638
60	-	1 262	1 860	2 557	3 376	4 338	5 466	6 782	8 308
Power input in W									
30	1 685	1 940	2 176	2 393	2 590	2 766	2 921	3 056	3 169
35	1 696	1 977	2 237	2 477	2 697	2 896	3 073	3 229	3 363
40	1 703	2 013	2 302	2 571	2 818	3 043	3 247	3 429	3 587
45	1 702	2 046	2 368	2 669	2 948	3 205	3 439	3 650	3 839
50	1 689	2 070	2 430	2 767	3 083	3 375	3 644	3 890	4 112
55	-	2 082	2 483	2 862	3 218	3 550	3 859	4 144	4 404
60	-	2 077	2 524	2 949	3 349	3 726	4 079	4 406	4 709
Current consumption in A									
30	4.20	4.48	4.76	5.03	5.29	5.52	5.71	5.87	5.98
35	4.26	4.58	4.89	5.20	5.49	5.76	6.00	6.21	6.36
40	4.29	4.64	5.00	5.35	5.68	6.00	6.29	6.55	6.76
45	4.29	4.69	5.09	5.48	5.87	6.24	6.59	6.90	7.17
50	4.27	4.71	5.16	5.62	6.06	6.49	6.89	7.27	7.61
55	-	4.73	5.24	5.75	6.25	6.75	7.22	7.66	8.07
60	-	4.74	5.31	5.88	6.46	7.02	7.57	8.09	8.57
Mass flow in kg/h									
30	77	102	132	166	204	249	299	355	419
35	73	99	128	162	200	243	293	348	410
40	69	95	124	157	195	238	286	340	401
45	64	90	119	152	189	231	278	331	391
50	59	85	113	146	182	224	270	322	380
55	-	78	107	139	175	215	261	311	368
60	-	71	100	131	167	206	250	300	355
Coefficient of performance (C.O.P.)									
30	1.45	1.72	2.02	2.37	2.77	3.23	3.75	4.34	5.02
35	1.28	1.52	1.78	2.09	2.44	2.83	3.28	3.79	4.38
40	1.11	1.32	1.56	1.82	2.11	2.45	2.83	3.27	3.76
45	0.94	1.13	1.33	1.56	1.81	2.09	2.41	2.77	3.18
50	0.78	0.95	1.13	1.31	1.52	1.76	2.02	2.32	2.66
55	-	0.78	0.93	1.08	1.26	1.45	1.67	1.91	2.19
60	-	0.61	0.74	0.87	1.01	1.16	1.34	1.54	1.76

Nominal performance at to = -10 °C, tc = 45 °C

Cooling capacity	5 333	W
Power input	2 948	W
Current consumption	5.87	A
Mass flow	189	kg/h
C.O.P.	1.81	

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Pressure switch settings

Maximum HP switch setting	27.7	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	0.9	bar(g)

Sound power data

Sound power level	70	dB(A)
With accoustic hood	65	dB(A)

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 10 K , Subcooling = 0 K

All performance data +/- 5%

Performance data at 50 Hz, ARI rating conditions

R404A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity in W									
30	2 725	3 697	4 868	6 262	7 904	9 815	12 020	14 541	17 402
35	2 439	3 361	4 465	5 773	7 309	9 098	11 163	13 526	16 212
40	2 149	3 020	4 052	5 271	6 701	8 364	10 286	12 489	14 997
45	1 855	2 671	3 631	4 759	6 079	7 615	9 391	11 431	13 760
50	1 557	2 318	3 203	4 237	5 445	6 851	8 481	10 357	12 504
55	-	1 959	2 768	3 707	4 802	6 078	7 560	9 271	11 237
60	-	1 595	2 329	3 174	4 157	5 303	6 638	8 186	9 974
Power input in W									
30	1 685	1 940	2 176	2 393	2 590	2 766	2 921	3 056	3 169
35	1 696	1 977	2 237	2 477	2 697	2 896	3 073	3 229	3 363
40	1 703	2 013	2 302	2 571	2 818	3 043	3 247	3 429	3 587
45	1 702	2 046	2 368	2 669	2 948	3 205	3 439	3 650	3 839
50	1 689	2 070	2 430	2 767	3 083	3 375	3 644	3 890	4 112
55	-	2 082	2 483	2 862	3 218	3 550	3 859	4 144	4 404
60	-	2 077	2 524	2 949	3 349	3 726	4 079	4 406	4 709
Current consumption in A									
30	4.20	4.48	4.76	5.03	5.29	5.52	5.71	5.87	5.98
35	4.26	4.58	4.89	5.20	5.49	5.76	6.00	6.21	6.36
40	4.29	4.64	5.00	5.35	5.68	6.00	6.29	6.55	6.76
45	4.29	4.69	5.09	5.48	5.87	6.24	6.59	6.90	7.17
50	4.27	4.71	5.16	5.62	6.06	6.49	6.89	7.27	7.61
55	-	4.73	5.24	5.75	6.25	6.75	7.22	7.66	8.07
60	-	4.74	5.31	5.88	6.46	7.02	7.57	8.09	8.57
Mass flow in kg/h									
30	77	102	131	165	203	247	297	353	416
35	73	98	127	161	199	242	291	346	408
40	69	94	123	156	194	236	284	338	398
45	64	90	118	151	188	230	277	329	388
50	59	84	113	145	181	222	268	320	377
55	-	78	106	138	174	214	259	309	365
60	-	71	99	131	166	205	249	298	352
Coefficient of performance (C.O.P.)									
30	1.62	1.91	2.24	2.62	3.05	3.55	4.11	4.76	5.49
35	1.44	1.70	2.00	2.33	2.71	3.14	3.63	4.19	4.82
40	1.26	1.50	1.76	2.05	2.38	2.75	3.17	3.64	4.18
45	1.09	1.31	1.53	1.78	2.06	2.38	2.73	3.13	3.58
50	0.92	1.12	1.32	1.53	1.77	2.03	2.33	2.66	3.04
55	-	0.94	1.11	1.30	1.49	1.71	1.96	2.24	2.55
60	-	0.77	0.92	1.08	1.24	1.42	1.63	1.86	2.12

Nominal performance at to = -10 °C, tc = 45 °C

Cooling capacity	6 079	W
Power input	2 948	W
Current consumption	5.87	A
Mass flow	188	kg/h
C.O.P.	2.06	

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Pressure switch settings

Maximum HP switch setting	27.7	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	0.9	bar(g)

Sound power data

Sound power level	70	dB(A)
With accoustic hood	65	dB(A)

All performance data +/- 5%

Performance data at 60 Hz, EN 12900 rating conditions

R407C

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-15	-10	-5	0	5	10	15		
Cooling capacity in W									
35	4 858	6 487	8 415	10 681	13 321	16 373	19 876	-	-
40	4 409	5 952	7 771	9 904	12 387	15 259	18 556	-	-
45	3 960	5 417	7 126	9 125	11 451	14 141	17 233	-	-
50	-	4 884	6 482	8 347	10 515	13 023	15 909	-	-
55	-	-	5 842	7 572	9 581	11 906	14 584	-	-
60	-	-	-	6 800	8 649	10 790	13 259	-	-
65	-	-	-	6 034	7 721	9 676	11 935	-	-
Power input in W									
35	2 305	2 614	2 915	3 197	3 448	3 656	3 810	-	-
40	2 381	2 716	3 052	3 378	3 683	3 954	4 180	-	-
45	2 455	2 811	3 178	3 544	3 897	4 226	4 520	-	-
50	-	2 906	3 299	3 700	4 098	4 480	4 837	-	-
55	-	-	3 422	3 854	4 291	4 723	5 137	-	-
60	-	-	-	4 011	4 484	4 960	5 428	-	-
65	-	-	-	4 179	4 682	5 198	5 715	-	-
Current consumption in A									
35	4.20	4.52	4.85	5.17	5.47	5.72	5.91	-	-
40	4.29	4.63	5.00	5.37	5.72	6.03	6.29	-	-
45	4.38	4.75	5.15	5.57	5.98	6.36	6.69	-	-
50	-	4.85	5.30	5.76	6.23	6.69	7.10	-	-
55	-	-	5.44	5.96	6.49	7.01	7.51	-	-
60	-	-	-	6.14	6.74	7.34	7.91	-	-
65	-	-	-	6.30	6.97	7.65	8.31	-	-
Mass flow in kg/h									
35	105	138	177	221	271	329	394	-	-
40	101	133	171	215	264	321	385	-	-
45	95	128	165	208	257	313	375	-	-
50	-	122	159	202	250	304	366	-	-
55	-	-	153	194	242	295	355	-	-
60	-	-	-	187	233	286	345	-	-
65	-	-	-	179	225	276	334	-	-
Coefficient of performance (C.O.P.)									
35	2.11	2.48	2.89	3.34	3.86	4.48	5.22	-	-
40	1.85	2.19	2.55	2.93	3.36	3.86	4.44	-	-
45	1.61	1.93	2.24	2.58	2.94	3.35	3.81	-	-
50	-	1.68	1.96	2.26	2.57	2.91	3.29	-	-
55	-	-	1.71	1.96	2.23	2.52	2.84	-	-
60	-	-	-	1.70	1.93	2.18	2.44	-	-
65	-	-	-	1.44	1.65	1.86	2.09	-	-

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

Cooling capacity	10 515	W
Power input	4 098	W
Current consumption	6.23	A
Mass flow	250	kg/h
C.O.P.	2.57	

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 10 K , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	29.4	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	1.3	bar(g)

Sound power data

Sound power level	77	dB(A)
With accoustic hood	72	dB(A)

All performance data +/- 5%

Performance data at 60 Hz, ARI rating conditions

R407C

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-15	-10	-5	0	5	10	15		
Cooling capacity in W									
35	5 229	6 974	9 036	11 456	14 272	17 524	21 251	-	-
40	4 771	6 433	8 388	10 676	13 337	16 410	19 934	-	-
45	4 313	5 891	7 738	9 894	12 400	15 293	18 614	-	-
50	-	5 350	7 089	9 114	11 463	14 177	17 294	-	-
55	-	-	6 443	8 336	10 529	13 063	15 976	-	-
60	-	-	-	7 564	9 600	11 954	14 663	-	-
65	-	-	-	6 799	8 680	10 852	13 357	-	-
Power input in W									
35	2 305	2 614	2 915	3 197	3 448	3 656	3 810	-	-
40	2 381	2 716	3 052	3 378	3 683	3 954	4 180	-	-
45	2 455	2 811	3 178	3 544	3 897	4 226	4 520	-	-
50	-	2 906	3 299	3 700	4 098	4 480	4 837	-	-
55	-	-	3 422	3 854	4 291	4 723	5 137	-	-
60	-	-	-	4 011	4 484	4 960	5 428	-	-
65	-	-	-	4 179	4 682	5 198	5 715	-	-
Current consumption in A									
35	4.20	4.52	4.85	5.17	5.47	5.72	5.91	-	-
40	4.29	4.63	5.00	5.37	5.72	6.03	6.29	-	-
45	4.38	4.75	5.15	5.57	5.98	6.36	6.69	-	-
50	-	4.85	5.30	5.76	6.23	6.69	7.10	-	-
55	-	-	5.44	5.96	6.49	7.01	7.51	-	-
60	-	-	-	6.14	6.74	7.34	7.91	-	-
65	-	-	-	6.30	6.97	7.65	8.31	-	-
Mass flow in kg/h									
35	105	138	176	219	270	327	391	-	-
40	100	133	170	213	263	319	382	-	-
45	95	127	165	207	256	311	373	-	-
50	-	122	159	200	248	302	363	-	-
55	-	-	152	193	240	293	353	-	-
60	-	-	-	186	232	284	343	-	-
65	-	-	-	178	224	274	332	-	-
Coefficient of performance (C.O.P.)									
35	2.27	2.67	3.10	3.58	4.14	4.79	5.58	-	-
40	2.00	2.37	2.75	3.16	3.62	4.15	4.77	-	-
45	1.76	2.10	2.44	2.79	3.18	3.62	4.12	-	-
50	-	1.84	2.15	2.46	2.80	3.16	3.58	-	-
55	-	-	1.88	2.16	2.45	2.77	3.11	-	-
60	-	-	-	1.89	2.14	2.41	2.70	-	-
65	-	-	-	1.63	1.85	2.09	2.34	-	-

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

Cooling capacity	11 721	W
Power input	4 457	W
Current consumption	6.69	A
Mass flow	264	kg/h
C.O.P.	2.63	

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Pressure switch settings

Maximum HP switch setting	29.4	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	1.3	bar(g)

Sound power data

Sound power level	77	dB(A)
With accoustic hood	72	dB(A)

All performance data +/- 5%

Performance data at 60 Hz, EN 12900 rating conditions

R134a

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-15	-10	-5	0	5	10	15	20	
Cooling capacity in W									
35	3 842	4 891	6 127	7 572	9 244	11 167	13 359	15 843	-
40	3 330	4 349	5 547	6 947	8 569	10 433	12 560	14 972	-
45	2 846	3 829	4 987	6 338	7 904	9 705	11 763	14 098	-
50	2 399	3 343	4 454	5 752	7 258	8 993	10 976	13 229	-
55	1 999	2 899	3 959	5 200	6 641	8 304	10 208	12 375	-
60	-	2 506	3 511	4 689	6 061	7 647	9 468	11 544	-
65	-	-	-	4 229	5 527	7 031	8 763	10 742	-
70	-	-	-	-	-	6 462	8 099	9 976	-
Power input in W									
35	1 672	1 941	2 196	2 427	2 626	2 782	2 888	2 934	-
40	1 689	1 974	2 249	2 503	2 729	2 917	3 058	3 143	-
45	1 684	1 988	2 284	2 565	2 820	3 042	3 220	3 347	-
50	1 654	1 979	2 300	2 610	2 897	3 155	3 374	3 544	-
55	1 598	1 946	2 294	2 635	2 957	3 254	3 515	3 732	-
60	-	1 886	2 264	2 638	2 998	3 335	3 642	3 907	-
65	-	-	-	2 616	3 016	3 397	3 751	4 068	-
70	-	-	-	-	-	3 437	3 841	4 213	-
Current consumption in A									
35	3.08	3.39	3.69	3.98	4.25	4.48	4.68	4.83	-
40	3.10	3.42	3.74	4.05	4.34	4.60	4.83	5.02	-
45	3.10	3.44	3.77	4.11	4.42	4.72	4.98	5.20	-
50	3.08	3.43	3.80	4.15	4.50	4.82	5.12	5.38	-
55	3.04	3.42	3.80	4.19	4.57	4.93	5.26	5.56	-
60	-	3.38	3.80	4.21	4.62	5.02	5.39	5.74	-
65	-	-	-	4.22	4.67	5.10	5.52	5.91	-
70	-	-	-	-	-	5.18	5.64	6.08	-
Mass flow in kg/h									
35	93	116	142	172	206	244	287	335	-
40	85	108	135	166	200	239	282	331	-
45	77	101	128	159	194	233	277	326	-
50	68	93	121	153	188	228	273	322	-
55	61	86	115	147	183	223	268	318	-
60	-	80	109	141	178	219	265	315	-
65	-	-	-	137	174	216	262	313	-
70	-	-	-	-	-	213	260	311	-
Coefficient of performance (C.O.P.)									
35	2.30	2.52	2.79	3.12	3.52	4.01	4.63	5.40	-
40	1.97	2.20	2.47	2.78	3.14	3.58	4.11	4.76	-
45	1.69	1.93	2.18	2.47	2.80	3.19	3.65	4.21	-
50	1.45	1.69	1.94	2.20	2.51	2.85	3.25	3.73	-
55	1.25	1.49	1.73	1.97	2.25	2.55	2.90	3.32	-
60	-	1.33	1.55	1.78	2.02	2.29	2.60	2.95	-
65	-	-	-	1.62	1.83	2.07	2.34	2.64	-
70	-	-	-	-	-	1.88	2.11	2.37	-

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

Cooling capacity	7 258	W
Power input	2 897	W
Current consumption	4.50	A
Mass flow	188	kg/h
C.O.P.	2.51	

Pressure switch settings

Maximum HP switch setting	22.6	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	0.5	bar(g)

Sound power data

Sound power level	0	dB(A)
With accoustic hood	0	dB(A)

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 10 K , Subcooling = 0 K

All performance data +/- 5%

Performance data at 60 Hz, ARI rating conditions

R134a

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-15	-10	-5	0	5	10	15	20	
Cooling capacity in W									
35	4 161	5 289	6 615	8 161	9 949	12 001	14 337	16 980	-
40	3 626	4 727	6 019	7 525	9 266	11 264	13 540	16 116	-
45	3 118	4 187	5 441	6 903	8 592	10 532	12 744	15 249	-
50	2 648	3 681	4 893	6 305	7 939	9 817	11 959	14 389	-
55	2 225	3 218	4 383	5 742	7 316	9 127	11 197	13 546	-
60	-	2 809	3 923	5 224	6 734	8 474	10 467	12 732	-
65	-	-	-	4 762	6 203	7 869	9 779	11 956	-
70	-	-	-	-	-	7 320	9 145	11 229	-
Power input in W									
35	1 672	1 941	2 196	2 427	2 626	2 782	2 888	2 934	-
40	1 689	1 974	2 249	2 503	2 729	2 917	3 058	3 143	-
45	1 684	1 988	2 284	2 565	2 820	3 042	3 220	3 347	-
50	1 654	1 979	2 300	2 610	2 897	3 155	3 374	3 544	-
55	1 598	1 946	2 294	2 635	2 957	3 254	3 515	3 732	-
60	-	1 886	2 264	2 638	2 998	3 335	3 642	3 907	-
65	-	-	-	2 616	3 016	3 397	3 751	4 068	-
70	-	-	-	-	-	3 437	3 841	4 213	-
Current consumption in A									
35	3.08	3.39	3.69	3.98	4.25	4.48	4.68	4.83	-
40	3.10	3.42	3.74	4.05	4.34	4.60	4.83	5.02	-
45	3.10	3.44	3.77	4.11	4.42	4.72	4.98	5.20	-
50	3.08	3.43	3.80	4.15	4.50	4.82	5.12	5.38	-
55	3.04	3.42	3.80	4.19	4.57	4.93	5.26	5.56	-
60	-	3.38	3.80	4.21	4.62	5.02	5.39	5.74	-
65	-	-	-	4.22	4.67	5.10	5.52	5.91	-
70	-	-	-	-	-	5.18	5.64	6.08	-
Mass flow in kg/h									
35	93	116	142	171	205	243	286	333	-
40	84	108	134	165	199	238	281	329	-
45	76	100	127	158	193	232	276	324	-
50	68	93	120	152	187	227	271	320	-
55	61	86	114	146	182	222	267	317	-
60	-	79	108	141	177	218	263	313	-
65	-	-	-	136	173	214	260	311	-
70	-	-	-	-	-	212	258	309	-
Coefficient of performance (C.O.P.)									
35	2.49	2.72	3.01	3.36	3.79	4.31	4.96	5.79	-
40	2.15	2.39	2.68	3.01	3.40	3.86	4.43	5.13	-
45	1.85	2.11	2.38	2.69	3.05	3.46	3.96	4.56	-
50	1.60	1.86	2.13	2.42	2.74	3.11	3.54	4.06	-
55	1.39	1.65	1.91	2.18	2.47	2.81	3.19	3.63	-
60	-	1.49	1.73	1.98	2.25	2.54	2.87	3.26	-
65	-	-	-	1.82	2.06	2.32	2.61	2.94	-
70	-	-	-	-	-	2.13	2.38	2.67	-

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

Cooling capacity	8 159	W
Power input	3 083	W
Current consumption	4.72	A
Mass flow	200	kg/h
C.O.P.	2.65	

Pressure switch settings

Maximum HP switch setting	22.6	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	0.5	bar(g)

Sound power data

Sound power level	0	dB(A)
With accoustic hood	0	dB(A)

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

All performance data +/- 5%

Performance data at 60 Hz, EN 12900 rating conditions

R404A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity in W									
30	2 674	3 755	5 075	6 665	8 555	10 775	13 357	16 331	19 728
35	2 323	3 332	4 559	6 035	7 789	9 854	12 259	15 034	18 212
40	1 987	2 921	4 051	5 409	7 026	8 931	11 155	13 730	16 686
45	1 665	2 519	3 550	4 788	6 263	8 006	10 047	12 417	15 147
50	1 355	2 127	3 056	4 170	5 500	7 078	8 933	11 095	13 597
55	-	1 745	2 567	3 555	4 737	6 146	7 811	9 764	12 033
60	-	1 370	2 083	2 941	3 973	5 210	6 683	8 421	10 455
Power input in W									
30	1 942	2 238	2 526	2 808	3 084	3 356	3 625	3 892	4 159
35	1 940	2 260	2 572	2 877	3 176	3 471	3 763	4 053	4 342
40	1 942	2 290	2 630	2 963	3 291	3 614	3 933	4 251	4 567
45	1 934	2 316	2 689	3 055	3 415	3 771	4 122	4 472	4 820
50	1 904	2 323	2 735	3 138	3 536	3 929	4 318	4 704	5 089
55	-	2 301	2 755	3 201	3 641	4 076	4 507	4 935	5 362
60	-	2 236	2 737	3 230	3 717	4 199	4 677	5 151	5 624
Current consumption in A									
30	3.85	4.05	4.31	4.60	4.91	5.21	5.49	5.72	5.89
35	3.93	4.17	4.46	4.79	5.14	5.49	5.82	6.10	6.33
40	3.95	4.22	4.55	4.92	5.32	5.72	6.10	6.44	6.73
45	3.92	4.23	4.60	5.02	5.46	5.91	6.35	6.75	7.11
50	3.87	4.21	4.62	5.09	5.58	6.09	6.58	7.05	7.47
55	-	4.17	4.63	5.15	5.69	6.26	6.81	7.34	7.83
60	-	4.13	4.64	5.21	5.81	6.43	7.05	7.65	8.20
Mass flow in kg/h									
30	84	116	152	195	244	300	364	437	519
35	79	110	146	189	237	292	356	427	508
40	73	104	140	182	230	284	347	417	496
45	67	98	134	175	222	276	337	406	485
50	61	91	127	167	214	267	327	395	472
55	-	85	120	160	205	257	317	384	459
60	-	77	112	151	196	248	306	372	446
Coefficient of performance (C.O.P.)									
30	1.38	1.68	2.01	2.37	2.77	3.21	3.68	4.20	4.74
35	1.20	1.47	1.77	2.10	2.45	2.84	3.26	3.71	4.19
40	1.02	1.28	1.54	1.83	2.13	2.47	2.84	3.23	3.65
45	0.86	1.09	1.32	1.57	1.83	2.12	2.44	2.78	3.14
50	0.71	0.92	1.12	1.33	1.56	1.80	2.07	2.36	2.67
55	-	0.76	0.93	1.11	1.30	1.51	1.73	1.98	2.24
60	-	0.61	0.76	0.91	1.07	1.24	1.43	1.63	1.86

Nominal performance at to = -10 °C, tc = 45 °C

Cooling capacity	6 263	W
Power input	3 415	W
Current consumption	5.46	A
Mass flow	222	kg/h
C.O.P.	1.83	

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 10 K , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	27.7	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	0.9	bar(g)

Sound power data

Sound power level	73	dB(A)
With accoustic hood	68	dB(A)

All performance data +/- 5%

Performance data at 60 Hz, ARI rating conditions

R404A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-30	-25	-20	-15	-10	-5	0	5	10
Cooling capacity in W									
30	2 976	4 168	5 620	7 362	9 428	11 849	14 658	17 886	21 567
35	2 614	3 737	5 098	6 729	8 662	10 931	13 566	16 601	20 067
40	2 265	3 317	4 584	6 101	7 900	10 012	12 472	15 310	18 561
45	1 929	2 906	4 078	5 478	7 139	9 094	11 375	14 016	17 049
50	1 605	2 506	3 580	4 861	6 382	8 177	10 279	12 721	15 535
55	-	2 114	3 089	4 250	5 631	7 266	9 189	11 432	14 029
60	-	1 732	2 609	3 651	4 893	6 370	8 116	10 165	12 551
Power input in W									
30	1 942	2 238	2 526	2 808	3 084	3 356	3 625	3 892	4 159
35	1 940	2 260	2 572	2 877	3 176	3 471	3 763	4 053	4 342
40	1 942	2 290	2 630	2 963	3 291	3 614	3 933	4 251	4 567
45	1 934	2 316	2 689	3 055	3 415	3 771	4 122	4 472	4 820
50	1 904	2 323	2 735	3 138	3 536	3 929	4 318	4 704	5 089
55	-	2 301	2 755	3 201	3 641	4 076	4 507	4 935	5 362
60	-	2 236	2 737	3 230	3 717	4 199	4 677	5 151	5 624
Current consumption in A									
30	3.85	4.05	4.31	4.60	4.91	5.21	5.49	5.72	5.89
35	3.93	4.17	4.46	4.79	5.14	5.49	5.82	6.10	6.33
40	3.95	4.22	4.55	4.92	5.32	5.72	6.10	6.44	6.73
45	3.92	4.23	4.60	5.02	5.46	5.91	6.35	6.75	7.11
50	3.87	4.21	4.62	5.09	5.58	6.09	6.58	7.05	7.47
55	-	4.17	4.63	5.15	5.69	6.26	6.81	7.34	7.83
60	-	4.13	4.64	5.21	5.81	6.43	7.05	7.65	8.20
Mass flow in kg/h									
30	84	115	151	194	242	298	362	434	515
35	78	109	146	187	236	291	353	424	504
40	73	104	139	181	228	283	344	414	493
45	67	97	133	174	221	274	335	404	481
50	60	91	126	166	213	265	325	393	469
55	-	84	119	159	204	256	315	381	456
60	-	77	111	150	195	246	304	369	443
Coefficient of performance (C.O.P.)									
30	1.53	1.86	2.22	2.62	3.06	3.53	4.04	4.60	5.19
35	1.35	1.65	1.98	2.34	2.73	3.15	3.60	4.10	4.62
40	1.17	1.45	1.74	2.06	2.40	2.77	3.17	3.60	4.06
45	1.00	1.26	1.52	1.79	2.09	2.41	2.76	3.13	3.54
50	0.84	1.08	1.31	1.55	1.80	2.08	2.38	2.70	3.05
55	-	0.92	1.12	1.33	1.55	1.78	2.04	2.32	2.62
60	-	0.77	0.95	1.13	1.32	1.52	1.74	1.97	2.23

Nominal performance at to = -10 °C, tc = 45 °C

Cooling capacity	7 139	W
Power input	3 415	W
Current consumption	5.46	A
Mass flow	221	kg/h
C.O.P.	2.09	

to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Pressure switch settings

Maximum HP switch setting	27.7	bar(g)
Minimum LP switch setting	0.2	bar(g)
LP pump down setting	0.9	bar(g)

Sound power data

Sound power level	73	dB(A)
With accoustic hood	68	dB(A)

All performance data +/- 5%