

Datasheets

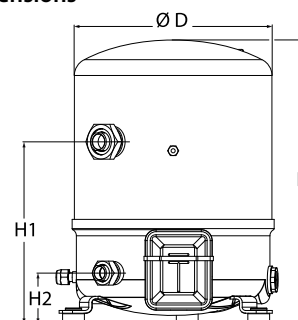
Danfoss Reciprocating compressors **MT / MTZ / NTZ**



General Characteristics

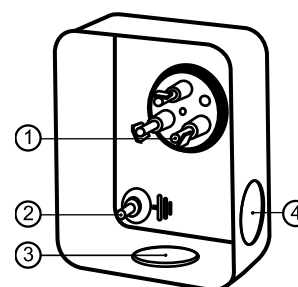
Model number (on compressor nameplate)		MTZ44HJ4BVE
Code number for Singlepack*		MTZ44-4VI
Code number for Industrial pack**		MTZ44-4VM
Drawing number		8502012g
Suction and discharge connections		Rotolock
Suction connection		1-3/4" Rotolock
Discharge connection		1-1/4" Rotolock
Suction connection with supplied sleeve		7/8" ODF
Discharge connection with supplied sleeve		3/4" 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	2	
Swept volume	76,22 cm ³ /rev	
Displacement @ Nominal speed	13.3 m ³ /h @ 2900 rpm - 16.0 m ³ /h @ 3500 rpm	
Net weight	37 kg	
Oil charge	1,8 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	5 kg	
Approved refrigerants	R404A, R507A, R134a, R407C, R407A, R407F	

Dimensions



D=288 mm
H=413 mm
H1=265 mm
H2=74 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")

Electrical Characteristics

Nominal voltage	380-400V/3/50Hz - 460V/3/60Hz
Voltage range	340-440 V @ 50Hz - 414-506 V @ 60Hz
Winding resistance (between phases) +/- 7% at 25°C	3.22 Ω
Maximum Continuous Current (MCC)	9.5 A
Locked Rotor Amps (LRA)	48.5 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

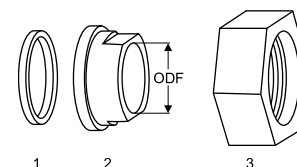
**Industrial pack: 6 Unboxed compressors on pallet (order per multiples of 6)

Rotolock accessories, suction side

Code no.

Solder sleeve, P07 (1-3/4" Rotolock, 7/8" ODF)	8153013
Angle adapter, C07 (1-3/4" Rotolock, 7/8" ODF)	8168008
Rotolock valve, V07 (1-3/4" Rotolock, 7/8" ODF)	8168032
Gasket, 1-3/4"	8156132

Gaskets, sleeves and nuts



- 1: Gasket
2: Solder sleeve
3: Rotolock nut

Rotolock accessories, discharge 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, sets

Code no.

Angle adapter set, C07 (1-3/4"~7/8"), C04 (1-1/4"~3/4")	7703013
Valve set, V07 (1-3/4"~7/8"), V04 (1-1/4"~3/4")	7703006
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009

Oil / lubricants

Code no.

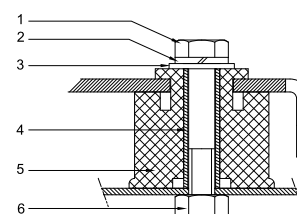
POE lubricant, 160PZ, 1 litre can	7754019
POE lubricant, 160PZ, 2.5 litre can	120Z0573

Crankcase heaters

Code no.

PTC heater 27W, CE mark, UL	120Z0459
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	7773107
Belt type crankcase heater, 65 W, 400 V, CE mark, UL	7773117
Belt type crankcase heater, 65 W, 460 V, CE mark, UL	120Z0466

Mounting kit



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

Miscellaneous accessories

Code no.

Electronic soft start kit, MCI 15 C	7705006
Acoustic hood for 2 cylinder compressor	120Z0472
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

Datasheet, performance data

Maneurop reciprocating compressor. MTZ044-4

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	4 173	5 656	7 467	9 643	12 220	15 232	18 717	-	-
40	3 703	5 070	6 747	8 769	11 173	13 994	17 268	-	-
45	3 263	4 510	6 048	7 913	10 141	12 766	15 826	-	-
50	-	3 982	5 378	7 082	9 129	11 555	14 397	-	-
55	-	-	4 742	6 281	8 144	10 368	12 987	-	-
60	-	-	-	5 517	7 193	9 210	11 604	-	-
65	-	-	-	4 797	6 281	8 087	10 252	-	-

Power input in W

35	1 919	2 133	2 306	2 444	2 556	2 649	2 729	-	-
40	1 957	2 216	2 430	2 607	2 753	2 877	2 985	-	-
45	1 967	2 276	2 537	2 756	2 942	3 101	3 242	-	-
50	-	2 311	2 623	2 890	3 120	3 320	3 498	-	-
55	-	-	2 688	3 007	3 286	3 532	3 751	-	-
60	-	-	-	3 106	3 438	3 734	4 000	-	-
65	-	-	-	3 183	3 574	3 925	4 243	-	-

Current consumption in A

35	4.45	4.66	4.85	5.04	5.19	5.32	5.40	-	-
40	4.53	4.77	4.99	5.20	5.39	5.55	5.67	-	-
45	4.59	4.86	5.13	5.38	5.61	5.82	5.98	-	-
50	-	4.94	5.25	5.56	5.84	6.10	6.32	-	-
55	-	-	5.35	5.71	6.06	6.38	6.67	-	-
60	-	-	-	5.84	6.26	6.66	7.02	-	-
65	-	-	-	5.93	6.43	6.91	7.36	-	-

Mass flow in kg/h

35	91	121	157	199	249	306	371	-	-
40	85	114	149	190	238	294	358	-	-
45	79	107	140	181	228	282	345	-	-
50	-	100	132	171	217	270	331	-	-
55	-	-	124	161	205	257	317	-	-
60	-	-	-	152	194	244	302	-	-
65	-	-	-	143	183	231	287	-	-

Coefficient of performance (C.O.P.)

35	2.17	2.65	3.24	3.95	4.78	5.75	6.86	-	-
40	1.89	2.29	2.78	3.36	4.06	4.86	5.78	-	-
45	1.66	1.98	2.38	2.87	3.45	4.12	4.88	-	-
50	-	1.72	2.05	2.45	2.93	3.48	4.12	-	-
55	-	-	1.76	2.09	2.48	2.94	3.46	-	-
60	-	-	-	1.78	2.09	2.47	2.90	-	-
65	-	-	-	1.51	1.76	2.06	2.42	-	-

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

Cooling capacity	9 129	W
Power input	3 120	W
Current consumption	5.84	A
Mass flow	217	kg/h
C.O.P.	2.93	



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	84	dB(A)
With acoustic hood	78	dB(A)

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	4 492	6 080	8 018	10 343	13 092	16 303	20 012	-	-
40	4 008	5 479	7 282	9 453	12 029	15 049	18 550	-	-
45	3 554	4 905	6 567	8 580	10 981	13 806	17 094	-	-
50	-	4 362	5 881	7 732	9 952	12 579	15 650	-	-
55	-	-	5 231	6 915	8 951	11 375	14 227	-	-
60	-	-	-	6 137	7 984	10 203	12 832	-	-
65	-	-	-	5 405	7 060	9 070	11 473	-	-

Power input in W

35	1 919	2 133	2 306	2 444	2 556	2 649	2 729	-	-
40	1 957	2 216	2 430	2 607	2 753	2 877	2 985	-	-
45	1 967	2 276	2 537	2 756	2 942	3 101	3 242	-	-
50	-	2 311	2 623	2 890	3 120	3 320	3 498	-	-
55	-	-	2 688	3 007	3 286	3 532	3 751	-	-
60	-	-	-	3 106	3 438	3 734	4 000	-	-
65	-	-	-	3 183	3 574	3 925	4 243	-	-

Current consumption in A

35	4.45	4.66	4.85	5.04	5.19	5.32	5.40	-	-
40	4.53	4.77	4.99	5.20	5.39	5.55	5.67	-	-
45	4.59	4.86	5.13	5.38	5.61	5.82	5.98	-	-
50	-	4.94	5.25	5.56	5.84	6.10	6.32	-	-
55	-	-	5.35	5.71	6.06	6.38	6.67	-	-
60	-	-	-	5.84	6.26	6.66	7.02	-	-
65	-	-	-	5.93	6.43	6.91	7.36	-	-

Mass flow in kg/h

35	90	120	156	198	247	304	368	-	-
40	84	113	148	189	237	292	356	-	-
45	78	106	140	180	226	281	343	-	-
50	-	99	131	170	215	268	329	-	-
55	-	-	123	160	204	255	315	-	-
60	-	-	-	151	193	243	300	-	-
65	-	-	-	142	182	229	285	-	-

Coefficient of performance (C.O.P.)

35	2.34	2.85	3.48	4.23	5.12	6.16	7.33	-	-
40	2.05	2.47	3.00	3.63	4.37	5.23	6.21	-	-
45	1.81	2.15	2.59	3.11	3.73	4.45	5.27	-	-
50	-	1.89	2.24	2.68	3.19	3.79	4.47	-	-
55	-	-	1.95	2.30	2.72	3.22	3.79	-	-
60	-	-	-	1.98	2.32	2.73	3.21	-	-
65	-	-	-	1.70	1.98	2.31	2.70	-	-

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

Cooling capacity	10 096	W
Power input	3 376	W
Current consumption	6.18	A
Mass flow	227	kg/h
C.O.P.	2.99	

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	84	dB(A)
With acoustic hood	78	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	2 670	3 618	4 796	6 244	7 999	10 101	12 587	15 498	-
40	2 374	3 261	4 360	5 708	7 344	9 308	11 637	14 370	-
45	2 084	2 914	3 936	5 188	6 710	8 539	10 714	13 274	-
50	1 798	2 575	3 524	4 684	6 094	7 792	9 817	12 207	-
55	1 516	2 242	3 122	4 193	5 495	7 066	8 944	11 168	-
60	-	1 915	2 729	3 715	4 912	6 358	8 093	10 155	-
65	-	-	-	3 247	4 343	5 669	7 264	9 167	-
70	-	-	-	-	-	4 995	6 454	8 202	-

Power input in W

35	1 266	1 418	1 545	1 648	1 724	1 776	1 803	1 805	-
40	1 283	1 462	1 614	1 741	1 841	1 915	1 963	1 986	-
45	1 287	1 494	1 675	1 828	1 954	2 054	2 126	2 172	-
50	1 273	1 512	1 723	1 906	2 062	2 189	2 288	2 359	-
55	1 239	1 513	1 757	1 973	2 160	2 317	2 446	2 546	-
60	-	1 492	1 773	2 024	2 245	2 436	2 597	2 728	-
65	-	-	-	2 056	2 314	2 540	2 737	2 902	-
70	-	-	-	-	-	2 629	2 863	3 064	-

Current consumption in A

35	3.85	3.99	4.10	4.19	4.25	4.30	4.35	4.39	-
40	3.86	4.02	4.16	4.26	4.34	4.41	4.47	4.54	-
45	3.86	4.05	4.21	4.34	4.45	4.54	4.63	4.71	-
50	3.84	4.07	4.26	4.42	4.56	4.69	4.80	4.91	-
55	3.79	4.06	4.29	4.50	4.67	4.83	4.98	5.12	-
60	-	4.02	4.30	4.55	4.77	4.97	5.16	5.34	-
65	-	-	-	4.57	4.84	5.09	5.33	5.56	-
70	-	-	-	-	-	5.19	5.48	5.76	-

Mass flow in kg/h

35	65	86	112	142	179	221	271	329	-
40	61	82	107	137	172	214	262	318	-
45	56	77	102	131	165	206	253	308	-
50	52	72	96	125	159	198	245	298	-
55	47	67	91	119	152	191	236	288	-
60	-	61	85	112	145	183	227	278	-
65	-	-	-	105	137	174	218	268	-
70	-	-	-	-	-	166	208	257	-

Coefficient of performance (C.O.P.)

35	2.11	2.55	3.10	3.79	4.64	5.69	6.98	8.59	-
40	1.85	2.23	2.70	3.28	3.99	4.86	5.93	7.24	-
45	1.62	1.95	2.35	2.84	3.43	4.16	5.04	6.11	-
50	1.41	1.70	2.04	2.46	2.96	3.56	4.29	5.17	-
55	1.22	1.48	1.78	2.13	2.54	3.05	3.66	4.39	-
60	-	1.28	1.54	1.84	2.19	2.61	3.12	3.72	-
65	-	-	-	1.58	1.88	2.23	2.65	3.16	-
70	-	-	-	-	-	1.90	2.25	2.68	-

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

Cooling capacity	6 094	W
Power input	2 062	W
Current consumption	4.56	A
Mass flow	159	kg/h
C.O.P.	2.96	

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 acoustic 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%

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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	2 892	3 912	5 178	6 730	8 609	10 855	13 509	16 610	-
40	2 585	3 545	4 730	6 182	7 941	10 049	12 544	15 468	-
45	2 283	3 186	4 295	5 651	7 294	9 266	11 607	14 358	-
50	1 985	2 835	3 871	5 134	6 665	8 506	10 696	13 277	-
55	1 687	2 489	3 456	4 630	6 053	7 766	9 810	12 225	-
60	-	2 146	3 049	4 138	5 457	7 046	8 947	11 201	-
65	-	-	-	3 656	4 874	6 344	8 107	10 203	-
70	-	-	-	-	-	5 659	7 288	9 232	-

Power input in W

35	1 266	1 418	1 545	1 648	1 724	1 776	1 803	1 805	-
40	1 283	1 462	1 614	1 741	1 841	1 915	1 963	1 986	-
45	1 287	1 494	1 675	1 828	1 954	2 054	2 126	2 172	-
50	1 273	1 512	1 723	1 906	2 062	2 189	2 288	2 359	-
55	1 239	1 513	1 757	1 973	2 160	2 317	2 446	2 546	-
60	-	1 492	1 773	2 024	2 245	2 436	2 597	2 728	-
65	-	-	-	2 056	2 314	2 540	2 737	2 902	-
70	-	-	-	-	-	2 629	2 863	3 064	-

Current consumption in A

35	3.85	3.99	4.10	4.19	4.25	4.30	4.35	4.39	-
40	3.86	4.02	4.16	4.26	4.34	4.41	4.47	4.54	-
45	3.86	4.05	4.21	4.34	4.45	4.54	4.63	4.71	-
50	3.84	4.07	4.26	4.42	4.56	4.69	4.80	4.91	-
55	3.79	4.06	4.29	4.50	4.67	4.83	4.98	5.12	-
60	-	4.02	4.30	4.55	4.77	4.97	5.16	5.34	-
65	-	-	-	4.57	4.84	5.09	5.33	5.56	-
70	-	-	-	-	-	5.19	5.48	5.76	-

Mass flow in kg/h

35	64	86	111	142	178	220	270	327	-
40	60	81	106	136	171	212	261	317	-
45	56	77	101	130	165	205	252	307	-
50	51	72	96	124	158	197	243	297	-
55	46	66	90	118	151	190	234	287	-
60	-	61	84	112	144	182	226	276	-
65	-	-	-	105	137	174	217	266	-
70	-	-	-	-	-	165	207	256	-

Coefficient of performance (C.O.P.)

35	2.28	2.76	3.35	4.08	4.99	6.11	7.49	9.20	-
40	2.01	2.42	2.93	3.55	4.31	5.25	6.39	7.79	-
45	1.77	2.13	2.56	3.09	3.73	4.51	5.46	6.61	-
50	1.56	1.87	2.25	2.69	3.23	3.89	4.67	5.63	-
55	1.36	1.65	1.97	2.35	2.80	3.35	4.01	4.80	-
60	-	1.44	1.72	2.04	2.43	2.89	3.45	4.11	-
65	-	-	-	1.78	2.11	2.50	2.96	3.52	-
70	-	-	-	-	-	2.15	2.55	3.01	-

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

Cooling capacity	6 848	W
Power input	2 220	W
Current consumption	4.73	A
Mass flow	168	kg/h
C.O.P.	3.09	

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 acoustic 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%

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Datasheet, performance data

Maneurop reciprocating compressor. MTZ044-4

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	2 260	3 170	4 298	5 674	7 331	9 300	11 613	14 301	17 396
35	1 963	2 818	3 869	5 149	6 689	8 520	10 674	13 183	16 079
40	1 663	2 460	3 433	4 613	6 033	7 724	9 717	12 044	14 737
45	1 362	2 098	2 990	4 069	5 366	6 913	8 743	10 885	13 374
50	1 062	1 735	2 543	3 517	4 689	6 090	7 753	9 708	11 989
55	-	1 371	2 092	2 959	4 003	5 256	6 749	8 515	10 584
60	-	1 008	1 640	2 397	3 310	4 411	5 733	7 306	9 162

Power input in W

30	1 645	1 882	2 093	2 282	2 449	2 596	2 727	2 841	2 943
35	1 649	1 915	2 154	2 368	2 558	2 727	2 877	3 008	3 124
40	1 635	1 935	2 207	2 450	2 668	2 863	3 035	3 188	3 323
45	1 600	1 939	2 247	2 525	2 775	2 999	3 199	3 378	3 536
50	1 541	1 924	2 272	2 589	2 875	3 134	3 366	3 574	3 760
55	-	1 886	2 280	2 639	2 966	3 264	3 532	3 775	3 993
60	-	1 823	2 266	2 673	3 045	3 385	3 695	3 976	4 231

Current consumption in A

30	4.13	4.32	4.52	4.74	4.97	5.22	5.50	5.82	6.17
35	4.13	4.37	4.60	4.84	5.08	5.35	5.63	5.94	6.27
40	4.11	4.40	4.67	4.94	5.21	5.49	5.78	6.09	6.42
45	4.07	4.41	4.73	5.04	5.35	5.66	5.96	6.28	6.61
50	3.98	4.39	4.77	5.14	5.48	5.82	6.16	6.49	6.83
55	-	4.33	4.79	5.21	5.61	5.99	6.36	6.71	7.07
60	-	4.23	4.76	5.25	5.71	6.14	6.55	6.94	7.32

Mass flow in kg/h

30	71	98	129	166	209	259	317	383	458
35	66	93	124	161	203	253	310	375	449
40	61	88	119	155	197	246	302	366	439
45	55	82	113	149	190	238	293	356	428
50	48	75	106	141	182	230	284	346	416
55	-	66	97	133	174	220	274	335	404
60	-	57	88	123	164	210	262	322	390

Coefficient of performance (C.O.P.)

30	1.37	1.68	2.05	2.49	2.99	3.58	4.26	5.03	5.91
35	1.19	1.47	1.80	2.17	2.61	3.12	3.71	4.38	5.15
40	1.02	1.27	1.56	1.88	2.26	2.70	3.20	3.78	4.43
45	0.85	1.08	1.33	1.61	1.93	2.31	2.73	3.22	3.78
50	0.69	0.90	1.12	1.36	1.63	1.94	2.30	2.72	3.19
55	-	0.73	0.92	1.12	1.35	1.61	1.91	2.26	2.65
60	-	0.55	0.72	0.90	1.09	1.30	1.55	1.84	2.17

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

Cooling capacity	5 366	W
Power input	2 775	W
Current consumption	5.35	A
Mass flow	190	kg/h
C.O.P.	1.93	



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	80	dB(A)
With acoustic hood	74	dB(A)

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	2 516	3 520	4 759	6 268	8 079	10 227	12 743	15 663	19 017
35	2 208	3 160	4 327	5 741	7 438	9 451	11 813	14 557	17 717
40	1 895	2 793	3 885	5 203	6 783	8 659	10 863	13 431	16 394
45	1 578	2 421	3 435	4 655	6 117	7 853	9 898	12 287	15 052
50	1 258	2 043	2 979	4 099	5 440	7 036	8 922	11 131	13 698
55	-	1 661	2 518	3 538	4 758	6 213	7 939	9 970	12 340
60	-	1 275	2 054	2 975	4 076	5 393	6 963	8 819	10 998

Power input in W

30	1 645	1 882	2 093	2 282	2 449	2 596	2 727	2 841	2 943
35	1 649	1 915	2 154	2 368	2 558	2 727	2 877	3 008	3 124
40	1 635	1 935	2 207	2 450	2 668	2 863	3 035	3 188	3 323
45	1 600	1 939	2 247	2 525	2 775	2 999	3 199	3 378	3 536
50	1 541	1 924	2 272	2 589	2 875	3 134	3 366	3 574	3 760
55	-	1 886	2 280	2 639	2 966	3 264	3 532	3 775	3 993
60	-	1 823	2 266	2 673	3 045	3 385	3 695	3 976	4 231

Current consumption in A

30	4.13	4.32	4.52	4.74	4.97	5.22	5.50	5.82	6.17
35	4.13	4.37	4.60	4.84	5.08	5.35	5.63	5.94	6.27
40	4.11	4.40	4.67	4.94	5.21	5.49	5.78	6.09	6.42
45	4.07	4.41	4.73	5.04	5.35	5.66	5.96	6.28	6.61
50	3.98	4.39	4.77	5.14	5.48	5.82	6.16	6.49	6.83
55	-	4.33	4.79	5.21	5.61	5.99	6.36	6.71	7.07
60	-	4.23	4.76	5.25	5.71	6.14	6.55	6.94	7.32

Mass flow in kg/h

30	71	97	128	165	208	257	315	381	455
35	66	93	124	160	202	251	308	372	446
40	61	87	118	154	196	244	300	363	436
45	55	81	112	148	189	237	291	354	425
50	47	74	105	140	181	228	282	344	413
55	-	66	97	132	173	219	272	332	401
60	-	57	87	123	163	208	261	320	388

Coefficient of performance (C.O.P.)

30	1.53	1.87	2.27	2.75	3.30	3.94	4.67	5.51	6.46
35	1.34	1.65	2.01	2.42	2.91	3.47	4.11	4.84	5.67
40	1.16	1.44	1.76	2.12	2.54	3.02	3.58	4.21	4.93
45	0.99	1.25	1.53	1.84	2.20	2.62	3.09	3.64	4.26
50	0.82	1.06	1.31	1.58	1.89	2.25	2.65	3.11	3.64
55	-	0.88	1.10	1.34	1.60	1.90	2.25	2.64	3.09
60	-	0.70	0.91	1.11	1.34	1.59	1.88	2.22	2.60

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

Cooling capacity	6 117	W
Power input	2 775	W
Current consumption	5.35	A
Mass flow	189	kg/h
C.O.P.	2.20	

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	80	dB(A)
With acoustic hood	74	dB(A)

All performance data +/- 5%

