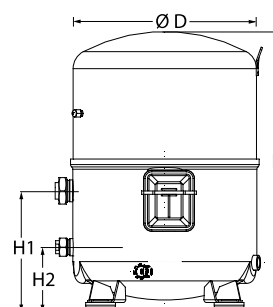


General Characteristics

Model number (on compressor nameplate)		NTZ271A4LR1B
Code number for Singlepack*		120F0242
Code number for Industrial pack**		120F0243
Drawing number		8504010f
Suction and discharge connections		Rotolock
Suction connection		1-3/4 " Rotolock
Discharge connection		1-1/4 " Rotolock
Suction connection with supplied sleeve		1-1/8 " 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	4	
Swept volume	271 cm ³ /rev	
Displacement @ Nominal speed	47.1 m ³ /h @ 2900 rpm - 56.9 m ³ /h @ 3500 rpm	
Net weight	64 kg	
Oil charge	3.9 litre, POE - 175PZ	
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	10 kg	
Approved refrigerants	R404A, R452A	

Dimensions


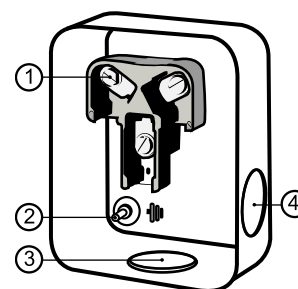
D=352 mm

H=519 mm

H1=233 mm

H2=125 mm

H3=- mm

Terminal box


IP54 (with cable gland)

1: Screw connectors 10-32 UNF x 9.5

2: Earth M4-12

3: Knock-out Ø 29 mm (1.14")

4: Knock-out Ø 25.5 mm (1.00")

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	1.61 Ω
Maximum Continuous Current (MCC)	27 A
Locked Rotor Amps (LRA)	96 A
Motor protection	Internal overload protector

Recommended Installation torques

Oil sight glass	50 Nm
Power connections / Earth connection	3 Nm / 2 Nm
Mounting bolts	50 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, -, -

*Singlepack: Compressor in cardboard box

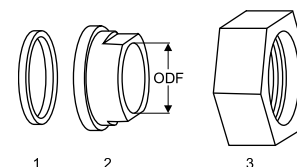
**Industrial pack: 6 Unboxed compressors on pallet (order per multiples of 6)

Rotolock accessories, suction side

Code no.

Solder sleeve, P02 (1-3/4" Rotolock, 1-1/8" ODF)	8153004
Angle adapter, C02 (1-3/4" Rotolock, 1-1/8" ODF)	8168005
Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF)	8168028
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, C02 (1-3/4"~1-1/8"), C04 (1-1/4"~3/4")	7703014
Valve set, V02 (1-3/4"~1-1/8"), V04 (1-1/4"~3/4")	7703009
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009

Oil / lubricants

Code no.

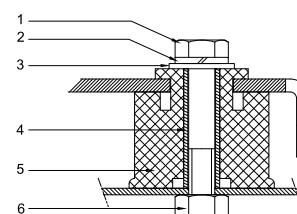
POE lubricant, 175PZ, 1 litre can	120Z0638
POE lubricant, 175PZ, 2.5 litre can	120Z0639

Crankcase heaters

Code no.

PTC heater 27W, CE mark, UL	120Z0459
Belt type crankcase heater, 75 W, 230 V, CE mark, UL	7773108
Belt type crankcase heater, 75 W, 400 V, CE mark, UL	7773118
Belt type crankcase heater, 75 W, 460 V, CE mark, UL	120Z0464

Mounting kit



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

Miscellaneous accessories

Code no.

Acoustic hood for 4 cylinder compressor	120Z0473
Oil equalisation nut	8153127

Spare parts

Code no.

Mounting kit for 4 cylinder compressor & MS, including 4 grommets, 4 bolts	8156007
Oil sight glass with gaskets (black & white)	8156019
Gasket for oil sight glass (black chloroprene)	8156145
Service kit for terminal box 96 x 115 mm, including 1 cover, 1 clamp	8156135
T block connector 52 x 57 mm	8173230

Datasheet, performance data

Maneurop reciprocating compressor. NTZ271-4

Performance data at 50 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

R452A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)							
	-45	-40	-35	-30	-25	-20	-15	-10

Cooling capacity in W

30	-	-	8 208	10 925	14 161	17 976	22 428	27 577	-
35	-	-	7 265	9 811	12 838	16 404	20 568	25 389	-
40	-	-	6 331	8 708	11 526	14 844	18 721	23 215	-
45	-	-	-	7 616	10 226	13 297	16 887	21 055	-
50	-	-	-	-	8 939	11 763	15 067	18 910	-
55	-	-	-	-	-	10 242	13 261	16 780	-
60	-	-	-	-	-	-	-	-	-

Power input in W

30	-	-	5 042	5 830	6 575	7 255	7 851	8 341	-
35	-	-	5 056	5 955	6 832	7 666	8 436	9 122	-
40	-	-	4 999	6 003	7 006	7 987	8 926	9 801	-
45	-	-	-	5 973	7 096	8 219	9 320	10 378	-
50	-	-	-	-	7 104	8 361	9 619	10 855	-
55	-	-	-	-	-	8 416	9 824	11 232	-
60	-	-	-	-	-	-	-	-	-

Current consumption in A

30	-	-	8.92	9.83	10.74	11.61	12.44	13.18	-
35	-	-	8.99	10.10	11.22	12.34	13.43	14.47	-
40	-	-	8.94	10.19	11.50	12.82	14.14	15.43	-
45	-	-	-	10.19	11.63	13.12	14.63	16.14	-
50	-	-	-	-	11.72	13.33	14.99	16.68	-
55	-	-	-	-	-	13.52	15.30	17.13	-
60	-	-	-	-	-	-	-	-	-

Mass flow in kg/h

30	-	-	198	264	343	438	550	681	-
35	-	-	184	249	327	421	531	661	-
40	-	-	169	234	311	403	512	640	-
45	-	-	-	217	293	384	491	618	-
50	-	-	-	-	275	364	470	595	-
55	-	-	-	-	-	343	448	571	-
60	-	-	-	-	-	-	-	-	-

Coefficient of performance (C.O.P.)

30	-	-	1.63	1.87	2.15	2.48	2.86	3.31	-
35	-	-	1.44	1.65	1.88	2.14	2.44	2.78	-
40	-	-	1.27	1.45	1.65	1.86	2.10	2.37	-
45	-	-	-	1.28	1.44	1.62	1.81	2.03	-
50	-	-	-	-	1.26	1.41	1.57	1.74	-
55	-	-	-	-	-	1.22	1.35	1.49	-
60	-	-	-	-	-	-	-	-	-

Nominal performance at to = -35 °C, tc = 40 °C

Cooling capacity	6 331	W
Power input	4 999	W
Current consumption	8.94	A
Mass flow	169	kg/h
C.O.P.	1.27	

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20 °C , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	27.7	bar(g)
Minimum LP switch setting	0.1	bar(g)
LP pump down setting	0.1	bar(g)

Sound power data

Sound power level	dB(A)
With acoustic hood	dB(A)

Tolerance according EN12900

Datasheet, performance data

Maneurop reciprocating compressor. NTZ271-4

Performance data at 50 Hz, EN 12900 rating conditions, Superheat = 10 K

R452A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)							
	-45	-40	-35	-30	-25	-20	-15	-10

Cooling capacity in W

30	-	5 381	7 511	10 117	13 268	17 033	21 485	26 692	-
35	-	4 559	6 536	8 951	11 873	15 372	19 522	24 393	-
40	-	3 761	5 584	7 807	10 499	13 732	17 578	22 113	-
45	-	-	4 658	6 688	9 149	12 114	15 656	19 853	-
50	-	-	-	5 595	7 824	10 519	13 756	17 612	-
55	-	-	-	4 532	6 525	8 947	11 875	15 388	-
60	-	-	-	-	-	-	-	-	-

Power input in W

30	-	4 231	5 042	5 830	6 575	7 255	7 851	8 341	-
35	-	4 156	5 056	5 955	6 832	7 666	8 436	9 122	-
40	-	4 015	4 999	6 003	7 006	7 987	8 926	9 801	-
45	-	-	4 871	5 973	7 096	8 219	9 320	10 378	-
50	-	-	-	5 867	7 104	8 361	9 619	10 855	-
55	-	-	-	5 684	7 029	8 416	9 824	11 232	-
60	-	-	-	-	-	-	-	-	-

Current consumption in A

30	-	8.02	8.92	9.83	10.74	11.61	12.44	13.18	-
35	-	7.93	8.99	10.10	11.22	12.34	13.43	14.47	-
40	-	7.75	8.94	10.19	11.50	12.82	14.14	15.43	-
45	-	-	8.82	10.19	11.63	13.12	14.63	16.14	-
50	-	-	-	10.17	11.72	13.33	14.99	16.68	-
55	-	-	-	10.21	11.82	13.52	15.30	17.13	-
60	-	-	-	-	-	-	-	-	-

Mass flow in kg/h

30	-	175	239	313	400	501	617	749	-
35	-	160	222	296	382	481	596	727	-
40	-	142	205	278	362	461	574	704	-
45	-	-	186	258	342	439	552	680	-
50	-	-	-	237	320	417	528	655	-
55	-	-	-	215	297	393	503	629	-
60	-	-	-	-	-	-	-	-	-

Coefficient of performance (C.O.P.)

30	-	1.27	1.49	1.74	2.02	2.35	2.74	3.20	-
35	-	1.10	1.29	1.50	1.74	2.01	2.31	2.67	-
40	-	0.94	1.12	1.30	1.50	1.72	1.97	2.26	-
45	-	-	0.96	1.12	1.29	1.47	1.68	1.91	-
50	-	-	-	0.95	1.10	1.26	1.43	1.62	-
55	-	-	-	0.80	0.93	1.06	1.21	1.37	-
60	-	-	-	-	-	-	-	-	-

Nominal performance at to = -35 °C, tc = 40 °C

Cooling capacity	5 584	W
Power input	4 999	W
Current consumption	8.94	A
Mass flow	205	kg/h
C.O.P.	1.12	

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	0.1	bar(g)
LP pump down setting	0.1	bar(g)

Sound power data

Sound power level	dB(A)
With acoustic hood	dB(A)

Tolerance according EN12900

Datasheet, performance data

Maneurop reciprocating compressor. NTZ271-4

Performance data at 50 Hz, EN 12900 rating conditions, Suction temp. = 20 °C

R404A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)							
	-45	-40	-35	-30	-25	-20	-15	-10

Cooling capacity in W

30	-	6 187	8 495	11 288	14 617	18 529	23 072	28 295	-
35	-	-	7 751	10 379	13 501	17 166	21 422	26 317	-
40	-	-	6 955	9 406	12 310	15 716	19 673	24 228	-
45	-	-	-	8 380	11 054	14 190	17 835	22 039	-
50	-	-	-	-	9 744	12 598	15 921	19 761	-
55	-	-	-	-	-	10 952	13 941	17 406	-
60	-	-	-	-	-	9 263	11 906	14 984	-

Power input in W

30	-	4 592	5 420	6 247	7 070	7 887	8 695	9 493	-
35	-	-	5 541	6 445	7 350	8 255	9 156	10 052	-
40	-	-	5 623	6 607	7 598	8 594	9 592	10 589	-
45	-	-	-	6 728	7 809	8 899	9 997	11 100	-
50	-	-	-	-	7 975	9 164	10 365	11 577	-
55	-	-	-	-	-	9 382	10 691	12 015	-
60	-	-	-	-	-	9 549	10 968	12 408	-

Current consumption in A

30	-	8.31	9.41	10.57	11.76	12.92	14.01	14.98	-
35	-	-	9.53	10.77	12.06	13.35	14.61	15.77	-
40	-	-	9.65	10.98	12.38	13.81	15.23	16.60	-
45	-	-	-	11.16	12.68	14.26	15.85	17.42	-
50	-	-	-	-	12.92	14.65	16.43	18.20	-
55	-	-	-	-	-	14.96	16.92	18.90	-
60	-	-	-	-	-	15.14	17.29	19.49	-

Mass flow in kg/h

30	-	149	205	273	355	453	569	705	-
35	-	-	198	265	347	444	559	693	-
40	-	-	188	255	336	432	546	679	-
45	-	-	-	243	323	418	530	661	-
50	-	-	-	-	307	400	510	639	-
55	-	-	-	-	-	380	488	615	-
60	-	-	-	-	-	356	462	586	-

Coefficient of performance (C.O.P.)

30	-	1.35	1.57	1.81	2.07	2.35	2.65	2.98	-
35	-	-	1.40	1.61	1.84	2.08	2.34	2.62	-
40	-	-	1.24	1.42	1.62	1.83	2.05	2.29	-
45	-	-	-	1.25	1.42	1.59	1.78	1.99	-
50	-	-	-	-	1.22	1.37	1.54	1.71	-
55	-	-	-	-	-	1.17	1.30	1.45	-
60	-	-	-	-	-	0.97	1.09	1.21	-

Nominal performance at to = -35 °C, tc = 40 °C

Cooling capacity	6 955	W
Power input	5 623	W
Current consumption	9.65	A
Mass flow	188	kg/h
C.O.P.	1.24	



to: Evaporating temperature at dew point
tc: Condensing temperature at dew point
Rating conditions : Suction gas temp. = 20 °C , Subcooling = 0 K

Pressure switch settings

Maximum HP switch setting	27.7	bar(g)
Minimum LP switch setting	0.1	bar(g)
LP pump down setting	0.1	bar(g)

Sound power data

Sound power level	84.2	dB(A)
With acoustic hood	78.2	dB(A)

Tolerance according EN12900

Datasheet, performance data
Maneurop reciprocating compressor. NTZ271-4
Performance data at 50 Hz, EN 12900 rating conditions, Superheat = 10 K
R404A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)							
	-45	-40	-35	-30	-25	-20	-15	-10

Cooling capacity in W

30	3 787	5 504	7 663	10 324	13 549	17 400	21 940	27 231	-
35	3 238	4 846	6 856	9 330	12 328	15 915	20 154	25 110	-
40	2 677	4 162	6 012	8 285	11 044	14 353	18 278	22 885	-
45	2 119	3 468	5 143	7 203	9 710	12 728	16 324	20 569	-
50	-	2 776	4 264	6 097	8 338	11 052	14 306	18 173	-
55	-	-	3 388	4 982	6 944	9 338	12 236	15 710	-
60	-	-	2 533	3 872	5 540	7 599	10 122	13 186	-

Power input in W

30	3 766	4 592	5 420	6 247	7 070	7 887	8 695	9 493	-
35	3 749	4 642	5 541	6 445	7 350	8 255	9 156	10 052	-
40	3 687	4 649	5 623	6 607	7 598	8 594	9 592	10 589	-
45	3 572	4 607	5 660	6 728	7 809	8 899	9 997	11 100	-
50	-	4 512	5 647	6 802	7 975	9 164	10 365	11 577	-
55	-	-	5 576	6 822	8 092	9 382	10 691	12 015	-
60	-	-	5 442	6 783	8 153	9 549	10 968	12 408	-

Current consumption in A

30	7.33	8.31	9.41	10.57	11.76	12.92	14.01	14.98	-
35	7.38	8.38	9.53	10.77	12.06	13.35	14.61	15.77	-
40	7.42	8.45	9.65	10.98	12.38	13.81	15.23	16.60	-
45	7.42	8.48	9.74	11.16	12.68	14.26	15.85	17.42	-
50	-	8.43	9.76	11.27	12.92	14.65	16.43	18.20	-
55	-	-	9.68	11.29	13.07	14.96	16.92	18.90	-
60	-	-	9.45	11.17	13.08	15.14	17.29	19.49	-

Mass flow in kg/h

30	130	184	249	326	416	520	641	778	-
35	120	175	240	316	406	510	630	765	-
40	109	164	228	304	393	496	615	749	-
45	95	150	214	290	378	480	597	729	-
50	-	135	198	272	359	459	575	706	-
55	-	-	179	252	337	436	549	678	-
60	-	-	158	229	313	409	521	647	-

Coefficient of performance (C.O.P.)

30	1.01	1.20	1.41	1.65	1.92	2.21	2.52	2.87	-
35	0.86	1.04	1.24	1.45	1.68	1.93	2.20	2.50	-
40	0.73	0.90	1.07	1.25	1.45	1.67	1.91	2.16	-
45	0.59	0.75	0.91	1.07	1.24	1.43	1.63	1.85	-
50	-	0.62	0.76	0.90	1.05	1.21	1.38	1.57	-
55	-	-	0.61	0.73	0.86	1.00	1.14	1.31	-
60	-	-	0.47	0.57	0.68	0.80	0.92	1.06	-

Nominal performance at to = -35 °C, tc = 40 °C

Cooling capacity	6 012	W
Power input	5 623	W
Current consumption	9.65	A
Mass flow	228	kg/h
C.O.P.	1.07	

Pressure switch settings

Maximum HP switch setting	27.7	bar(g)
Minimum LP switch setting	0.1	bar(g)
LP pump down setting	0.1	bar(g)

Sound power data

Sound power level	84.2	dB(A)
With acoustic hood	78.2	dB(A)

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

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

Tolerance according EN12900

Datasheet, performance data
Maneurop reciprocating compressor. NTZ271-4
Performance data at 60 Hz, EN 12900 rating conditions, Suction temp. = 20 °C
R404A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)							
	-45	-40	-35	-30	-25	-20	-15	-10

Cooling capacity in W

30	-	7 301	10 024	13 320	17 248	21 864	27 225	33 389	-
35	-	-	9 146	12 247	15 931	20 256	25 278	31 054	-
40	-	-	8 207	11 099	14 526	18 545	23 214	28 589	-
45	-	-	-	9 888	13 044	16 744	21 046	26 006	-
50	-	-	-	-	11 498	14 866	18 787	23 318	-
55	-	-	-	-	-	12 924	16 450	20 539	-
60	-	-	-	-	-	10 931	14 048	17 681	-

Power input in W

30	-	5 419	6 396	7 371	8 342	9 306	10 260	11 201	-
35	-	-	6 538	7 605	8 673	9 740	10 804	11 861	-
40	-	-	6 635	7 796	8 966	10 141	11 318	12 495	-
45	-	-	-	7 939	9 214	10 501	11 796	13 098	-
50	-	-	-	-	9 411	10 813	12 231	13 661	-
55	-	-	-	-	-	11 071	12 615	14 178	-
60	-	-	-	-	-	11 267	12 942	14 641	-

Current consumption in A

30	-	8.31	9.41	10.57	11.76	12.92	14.01	14.98	-
35	-	-	9.53	10.77	12.06	13.35	14.61	15.77	-
40	-	-	9.65	10.98	12.38	13.81	15.23	16.60	-
45	-	-	-	11.16	12.68	14.26	15.85	17.42	-
50	-	-	-	-	12.92	14.65	16.43	18.20	-
55	-	-	-	-	-	14.96	16.92	18.90	-
60	-	-	-	-	-	15.14	17.29	19.49	-

Mass flow in kg/h

30	-	176	242	322	419	535	671	831	-
35	-	-	233	313	409	524	660	818	-
40	-	-	222	301	397	510	644	801	-
45	-	-	-	287	381	493	625	780	-
50	-	-	-	-	362	472	602	754	-
55	-	-	-	-	-	448	576	725	-
60	-	-	-	-	-	421	545	692	-

Coefficient of performance (C.O.P.)

30	-	1.35	1.57	1.81	2.07	2.35	2.65	2.98	-
35	-	-	1.40	1.61	1.84	2.08	2.34	2.62	-
40	-	-	1.24	1.42	1.62	1.83	2.05	2.29	-
45	-	-	-	1.25	1.42	1.59	1.78	1.99	-
50	-	-	-	-	1.22	1.37	1.54	1.71	-
55	-	-	-	-	-	1.17	1.30	1.45	-
60	-	-	-	-	-	0.97	1.09	1.21	-

Nominal performance at to = -35 °C, tc = 40 °C

Cooling capacity	8 207	W
Power input	6 635	W
Current consumption	9.65	A
Mass flow	222	kg/h
C.O.P.	1.24	

Pressure switch settings

Maximum HP switch setting	27.7	bar(g)
Minimum LP switch setting	0.1	bar(g)
LP pump down setting	0.1	bar(g)

Sound power data

Sound power level	87.7	dB(A)
With acoustic hood	81	dB(A)

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Suction gas temp. = 20 °C , Subcooling = 0 K

Tolerance according EN12900

Datasheet, performance data
Maneurop reciprocating compressor. NTZ271-4
Performance data at 60 Hz, EN 12900 rating conditions, Superheat = 10 K
R404A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)							
	-45	-40	-35	-30	-25	-20	-15	-10

Cooling capacity in W

30	4 468	6 494	9 042	12 182	15 988	20 532	25 889	32 132	-
35	3 821	5 718	8 091	11 010	14 548	18 780	23 782	29 630	-
40	3 159	4 912	7 094	9 776	13 032	16 937	21 568	27 005	-
45	2 500	4 092	6 069	8 499	11 457	15 018	19 263	24 272	-
50	-	3 276	5 031	7 195	9 839	13 041	16 881	21 445	-
55	-	-	3 998	5 879	8 194	11 019	14 438	18 537	-
60	-	-	2 988	4 569	6 537	8 967	11 944	15 559	-

Power input in W

30	4 444	5 419	6 396	7 371	8 342	9 306	10 260	11 201	-
35	4 424	5 477	6 538	7 605	8 673	9 740	10 804	11 861	-
40	4 350	5 486	6 635	7 796	8 966	10 141	11 318	12 495	-
45	4 215	5 437	6 679	7 939	9 214	10 501	11 796	13 098	-
50	-	5 324	6 663	8 026	9 411	10 813	12 231	13 661	-
55	-	-	6 580	8 050	9 549	11 071	12 615	14 178	-
60	-	-	6 422	8 004	9 620	11 267	12 942	14 641	-

Current consumption in A

30	7.33	8.31	9.41	10.57	11.76	12.92	14.01	14.98	-
35	7.38	8.38	9.53	10.77	12.06	13.35	14.61	15.77	-
40	7.42	8.45	9.65	10.98	12.38	13.81	15.23	16.60	-
45	7.42	8.48	9.74	11.16	12.68	14.26	15.85	17.42	-
50	-	8.43	9.76	11.27	12.92	14.65	16.43	18.20	-
55	-	-	9.68	11.29	13.07	14.96	16.92	18.90	-
60	-	-	9.45	11.17	13.08	15.14	17.29	19.49	-

Mass flow in kg/h

30	153	217	294	384	490	614	756	918	-
35	142	207	283	373	479	602	743	903	-
40	128	193	269	359	464	586	726	884	-
45	113	177	253	342	446	566	704	861	-
50	-	159	234	321	424	542	678	833	-
55	-	-	211	297	398	514	648	801	-
60	-	-	186	270	369	483	614	764	-

Coefficient of performance (C.O.P.)

30	1.01	1.20	1.41	1.65	1.92	2.21	2.52	2.87	-
35	0.86	1.04	1.24	1.45	1.68	1.93	2.20	2.50	-
40	0.73	0.90	1.07	1.25	1.45	1.67	1.91	2.16	-
45	0.59	0.75	0.91	1.07	1.24	1.43	1.63	1.85	-
50	-	0.62	0.76	0.90	1.05	1.21	1.38	1.57	-
55	-	-	0.61	0.73	0.86	1.00	1.14	1.31	-
60	-	-	0.47	0.57	0.68	0.80	0.92	1.06	-

Nominal performance at to = -35 °C, tc = 40 °C

Cooling capacity	7 094	W
Power input	6 635	W
Current consumption	9.65	A
Mass flow	269	kg/h
C.O.P.	1.07	

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	0.1	bar(g)
LP pump down setting	0.1	bar(g)

Sound power data

Sound power level	87.7	dB(A)
With acoustic hood	81	dB(A)

Tolerance according EN12900