

Datasheets

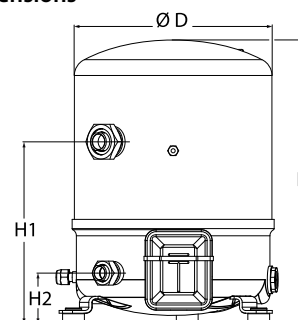
Danfoss Reciprocating compressors **MT / MTZ / NTZ**



General Characteristics

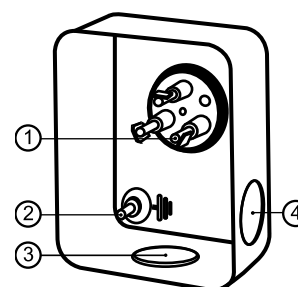
Model number (on compressor nameplate)		MTZ64HM4CVE
Code number for Singlepack*		MTZ64-4VI
Code number for Industrial pack**		MTZ64-4VM
Drawing number		8502012g
Suction and discharge connections		Rotolock
Suction connection		1-3/4" Rotolock
Discharge connection		1-1/4" Rotolock
Suction connection with 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	107,71 cm ³ /rev	
Displacement @ Nominal speed	18.7 m ³ /h @ 2900 rpm - 22.6 m ³ /h @ 3500 rpm	
Net weight	39 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	2.39 Ω
Maximum Continuous Current (MCC)	14 A
Locked Rotor Amps (LRA)	64 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

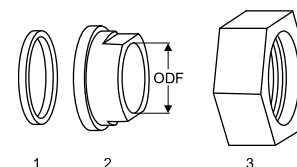
Approvals : CE certified, UL certified (file SA6873), -

*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.

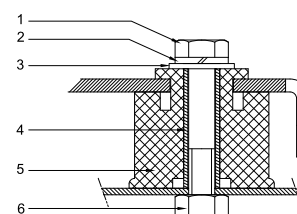
Angle adapter set, C07 (1-3/4"~7/8"), C04 (1-1/4"~3/4")	7703013
Valve set, V07 (1-3/4"~7/8"), V04 (1-1/4"~3/4")	7703006
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009

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. MTZ064-4

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	6 299	8 351	10 830	13 785	17 266	21 320	26 000	-	-
40	5 680	7 599	9 921	12 695	15 971	19 799	24 227	-	-
45	5 079	6 858	9 016	11 603	14 668	18 261	22 431	-	-
50	-	6 136	8 123	10 516	13 364	16 715	20 621	-	-
55	-	-	7 252	9 443	12 066	15 170	18 803	-	-
60	-	-	-	8 393	10 784	13 632	16 988	-	-
65	-	-	-	7 372	9 525	12 111	15 181	-	-

Power input in W

35	2 778	3 083	3 341	3 563	3 759	3 940	4 116	-	-
40	2 866	3 231	3 541	3 806	4 036	4 242	4 435	-	-
45	2 913	3 352	3 726	4 046	4 323	4 566	4 787	-	-
50	-	3 436	3 887	4 275	4 610	4 904	5 166	-	-
55	-	-	4 017	4 485	4 891	5 247	5 562	-	-
60	-	-	-	4 668	5 157	5 588	5 969	-	-
65	-	-	-	4 816	5 401	5 918	6 377	-	-

Current consumption in A

35	6.07	6.40	6.74	7.05	7.32	7.53	7.66	-	-
40	6.19	6.56	6.94	7.30	7.62	7.89	8.07	-	-
45	6.29	6.73	7.16	7.59	7.97	8.30	8.55	-	-
50	-	6.87	7.38	7.88	8.35	8.76	9.09	-	-
55	-	-	7.57	8.17	8.73	9.24	9.67	-	-
60	-	-	-	8.42	9.10	9.72	10.27	-	-
65	-	-	-	8.63	9.43	10.18	10.86	-	-

Mass flow in kg/h

35	137	178	227	285	351	428	515	-	-
40	130	170	219	275	341	416	502	-	-
45	122	162	209	265	329	404	489	-	-
50	-	154	200	254	317	390	474	-	-
55	-	-	190	243	304	376	458	-	-
60	-	-	-	231	291	361	442	-	-
65	-	-	-	219	277	346	424	-	-

Coefficient of performance (C.O.P.)

35	2.27	2.71	3.24	3.87	4.59	5.41	6.32	-	-
40	1.98	2.35	2.80	3.34	3.96	4.67	5.46	-	-
45	1.74	2.05	2.42	2.87	3.39	4.00	4.69	-	-
50	-	1.79	2.09	2.46	2.90	3.41	3.99	-	-
55	-	-	1.81	2.11	2.47	2.89	3.38	-	-
60	-	-	-	1.80	2.09	2.44	2.85	-	-
65	-	-	-	1.53	1.76	2.05	2.38	-	-

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

Cooling capacity	13 364	W
Power input	4 610	W
Current consumption	8.35	A
Mass flow	317	kg/h
C.O.P.	2.90	



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	83	dB(A)
With acoustic hood	77	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	6 780	8 978	11 629	14 785	18 498	22 819	27 798	-	-
40	6 147	8 212	10 708	13 685	17 196	21 292	26 025	-	-
45	5 532	7 457	9 790	12 581	15 883	19 748	24 228	-	-
50	-	6 722	8 884	11 482	14 568	18 196	22 416	-	-
55	-	-	7 999	10 396	13 261	16 644	20 598	-	-
60	-	-	-	9 335	11 970	15 103	18 786	-	-
65	-	-	-	8 307	10 707	13 584	16 990	-	-

Power input in W

35	2 778	3 083	3 341	3 563	3 759	3 940	4 116	-	-
40	2 866	3 231	3 541	3 806	4 036	4 242	4 435	-	-
45	2 913	3 352	3 726	4 046	4 323	4 566	4 787	-	-
50	-	3 436	3 887	4 275	4 610	4 904	5 166	-	-
55	-	-	4 017	4 485	4 891	5 247	5 562	-	-
60	-	-	-	4 668	5 157	5 588	5 969	-	-
65	-	-	-	4 816	5 401	5 918	6 377	-	-

Current consumption in A

35	6.07	6.40	6.74	7.05	7.32	7.53	7.66	-	-
40	6.19	6.56	6.94	7.30	7.62	7.89	8.07	-	-
45	6.29	6.73	7.16	7.59	7.97	8.30	8.55	-	-
50	-	6.87	7.38	7.88	8.35	8.76	9.09	-	-
55	-	-	7.57	8.17	8.73	9.24	9.67	-	-
60	-	-	-	8.42	9.10	9.72	10.27	-	-
65	-	-	-	8.63	9.43	10.18	10.86	-	-

Mass flow in kg/h

35	136	177	226	283	349	425	512	-	-
40	129	169	217	274	339	414	499	-	-
45	122	161	208	263	327	401	486	-	-
50	-	153	199	252	315	388	471	-	-
55	-	-	189	241	303	374	455	-	-
60	-	-	-	230	289	359	439	-	-
65	-	-	-	218	276	344	422	-	-

Coefficient of performance (C.O.P.)

35	2.44	2.91	3.48	4.15	4.92	5.79	6.75	-	-
40	2.15	2.54	3.02	3.60	4.26	5.02	5.87	-	-
45	1.90	2.22	2.63	3.11	3.67	4.32	5.06	-	-
50	-	1.96	2.29	2.69	3.16	3.71	4.34	-	-
55	-	-	1.99	2.32	2.71	3.17	3.70	-	-
60	-	-	-	2.00	2.32	2.70	3.15	-	-
65	-	-	-	1.73	1.98	2.30	2.66	-	-

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

Cooling capacity	14 851	W
Power input	5 016	W
Current consumption	8.91	A
Mass flow	334	kg/h
C.O.P.	2.96	

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	83	dB(A)
With acoustic hood	77	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	3 453	4 923	6 719	8 880	11 446	14 457	17 954	21 976	-
40	3 073	4 463	6 156	8 190	10 606	13 444	16 744	20 546	-
45	2 701	4 012	5 602	7 510	9 777	12 442	15 547	19 130	-
50	2 339	3 571	5 059	6 842	8 960	11 454	14 363	17 727	-
55	1 988	3 142	4 529	6 187	8 157	10 479	13 194	16 340	-
60	-	2 726	4 012	5 546	7 369	9 521	12 041	14 970	-
65	-	-	-	4 921	6 597	8 579	10 906	13 618	-
70	-	-	-	-	-	7 655	9 789	12 286	-

Power input in W

35	1 836	2 067	2 267	2 434	2 568	2 667	2 730	2 757	-
40	1 857	2 121	2 353	2 553	2 719	2 852	2 949	3 011	-
45	1 867	2 166	2 433	2 669	2 872	3 041	3 176	3 274	-
50	1 862	2 199	2 505	2 780	3 023	3 232	3 406	3 546	-
55	1 840	2 218	2 566	2 883	3 169	3 421	3 638	3 821	-
60	-	2 220	2 613	2 975	3 306	3 604	3 869	4 098	-
65	-	-	-	3 053	3 433	3 780	4 094	4 373	-
70	-	-	-	-	-	3 945	4 311	4 644	-

Current consumption in A

35	5.53	5.66	5.81	5.97	6.14	6.30	6.44	6.55	-
40	5.52	5.68	5.86	6.05	6.23	6.40	6.55	6.66	-
45	5.51	5.71	5.93	6.15	6.36	6.56	6.72	6.85	-
50	5.47	5.73	6.00	6.27	6.53	6.76	6.95	7.10	-
55	5.39	5.72	6.06	6.39	6.70	6.99	7.23	7.42	-
60	-	5.68	6.10	6.50	6.88	7.23	7.53	7.77	-
65	-	-	-	6.59	7.05	7.47	7.84	8.15	-
70	-	-	-	-	-	7.70	8.15	8.54	-

Mass flow in kg/h

35	84	117	156	202	256	317	387	466	-
40	79	112	151	196	248	309	377	455	-
45	73	106	145	189	241	300	368	444	-
50	67	100	138	182	233	292	358	433	-
55	61	94	132	175	225	283	348	422	-
60	-	87	125	168	217	273	337	410	-
65	-	-	-	160	208	264	327	398	-
70	-	-	-	-	-	254	316	385	-

Coefficient of performance (C.O.P.)

35	1.88	2.38	2.96	3.65	4.46	5.42	6.58	7.97	-
40	1.65	2.10	2.62	3.21	3.90	4.71	5.68	6.82	-
45	1.45	1.85	2.30	2.81	3.40	4.09	4.90	5.84	-
50	1.26	1.62	2.02	2.46	2.96	3.54	4.22	5.00	-
55	1.08	1.42	1.76	2.15	2.57	3.06	3.63	4.28	-
60	-	1.23	1.54	1.86	2.23	2.64	3.11	3.65	-
65	-	-	-	1.61	1.92	2.27	2.66	3.11	-
70	-	-	-	-	-	1.94	2.27	2.65	-

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

Cooling capacity	8 960	W
Power input	3 023	W
Current consumption	6.53	A
Mass flow	233	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	3 739	5 323	7 253	9 571	12 318	15 537	19 268	23 553	-
40	3 346	4 851	6 679	8 870	11 468	14 514	18 050	22 116	-
45	2 960	4 387	6 113	8 179	10 629	13 502	16 843	20 691	-
50	2 581	3 932	5 557	7 499	9 801	12 503	15 649	19 280	-
55	2 212	3 488	5 013	6 832	8 986	11 519	14 471	17 886	-
60	-	3 055	4 482	6 179	8 187	10 550	13 311	16 511	-
65	-	-	-	5 541	7 405	9 601	12 170	15 157	-
70	-	-	-	-	-	8 672	11 053	13 829	-

Power input in W

35	1 836	2 067	2 267	2 434	2 568	2 667	2 730	2 757	-
40	1 857	2 121	2 353	2 553	2 719	2 852	2 949	3 011	-
45	1 867	2 166	2 433	2 669	2 872	3 041	3 176	3 274	-
50	1 862	2 199	2 505	2 780	3 023	3 232	3 406	3 546	-
55	1 840	2 218	2 566	2 883	3 169	3 421	3 638	3 821	-
60	-	2 220	2 613	2 975	3 306	3 604	3 869	4 098	-
65	-	-	-	3 053	3 433	3 780	4 094	4 373	-
70	-	-	-	-	-	3 945	4 311	4 644	-

Current consumption in A

35	5.53	5.66	5.81	5.97	6.14	6.30	6.44	6.55	-
40	5.52	5.68	5.86	6.05	6.23	6.40	6.55	6.66	-
45	5.51	5.71	5.93	6.15	6.36	6.56	6.72	6.85	-
50	5.47	5.73	6.00	6.27	6.53	6.76	6.95	7.10	-
55	5.39	5.72	6.06	6.39	6.70	6.99	7.23	7.42	-
60	-	5.68	6.10	6.50	6.88	7.23	7.53	7.77	-
65	-	-	-	6.59	7.05	7.47	7.84	8.15	-
70	-	-	-	-	-	7.70	8.15	8.54	-

Mass flow in kg/h

35	83	117	156	201	254	315	384	463	-
40	78	111	150	195	247	307	375	452	-
45	73	105	144	188	240	299	366	442	-
50	67	99	137	181	232	290	356	431	-
55	61	93	131	174	224	281	346	419	-
60	-	87	124	167	216	272	336	407	-
65	-	-	-	159	207	262	325	395	-
70	-	-	-	-	-	253	314	383	-

Coefficient of performance (C.O.P.)

35	2.04	2.57	3.20	3.93	4.80	5.83	7.06	8.54	-
40	1.80	2.29	2.84	3.47	4.22	5.09	6.12	7.35	-
45	1.59	2.03	2.51	3.06	3.70	4.44	5.30	6.32	-
50	1.39	1.79	2.22	2.70	3.24	3.87	4.59	5.44	-
55	1.20	1.57	1.95	2.37	2.84	3.37	3.98	4.68	-
60	-	1.38	1.72	2.08	2.48	2.93	3.44	4.03	-
65	-	-	-	1.81	2.16	2.54	2.97	3.47	-
70	-	-	-	-	-	2.20	2.56	2.98	-

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

Cooling capacity	10 157	W
Power input	3 264	W
Current consumption	6.81	A
Mass flow	249	kg/h
C.O.P.	3.11	

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. MTZ064-4

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	3 529	4 868	6 542	8 600	11 094	14 074	17 592	21 697	26 442
35	3 058	4 300	5 847	7 748	10 054	12 817	16 088	19 916	24 353
40	2 602	3 744	5 160	6 900	9 017	11 559	14 579	18 127	22 254
45	2 160	3 199	4 482	6 059	7 982	10 301	13 067	16 332	20 145
50	1 735	2 667	3 813	5 224	6 950	9 043	11 553	14 530	18 027
55	-	2 149	3 155	4 396	5 923	7 786	10 036	12 724	15 900
60	-	1 645	2 508	3 577	4 901	6 531	8 518	10 913	13 766

Power input in W

30	2 404	2 781	3 131	3 449	3 733	3 981	4 189	4 355	4 476
35	2 399	2 819	3 211	3 573	3 903	4 196	4 451	4 665	4 835
40	2 372	2 836	3 274	3 683	4 060	4 403	4 708	4 973	5 195
45	2 320	2 832	3 318	3 777	4 204	4 599	4 956	5 275	5 552
50	2 240	2 802	3 340	3 851	4 332	4 780	5 194	5 569	5 904
55	-	2 744	3 336	3 902	4 440	4 946	5 418	5 853	6 248
60	-	2 656	3 305	3 930	4 526	5 093	5 626	6 123	6 581

Current consumption in A

30	5.75	6.10	6.50	6.90	7.29	7.65	7.93	8.11	8.17
35	5.80	6.17	6.59	7.04	7.48	7.88	8.22	8.48	8.61
40	5.81	6.21	6.67	7.16	7.65	8.12	8.53	8.86	9.08
45	5.78	6.22	6.73	7.27	7.82	8.36	8.85	9.26	9.58
50	5.71	6.20	6.76	7.36	7.98	8.60	9.17	9.68	10.09
55	-	6.14	6.76	7.43	8.13	8.83	9.50	10.10	10.62
60	-	6.04	6.73	7.48	8.26	9.05	9.82	10.54	11.17

Mass flow in kg/h

30	111	150	196	251	316	392	479	580	695
35	103	142	188	242	306	380	467	566	679
40	96	134	179	232	295	368	453	551	663
45	87	124	169	221	283	355	438	535	645
50	78	115	158	210	270	341	423	518	626
55	-	104	147	197	257	326	407	500	607
60	-	93	135	184	242	310	390	481	586

Coefficient of performance (C.O.P.)

30	1.47	1.75	2.09	2.49	2.97	3.54	4.20	4.98	5.91
35	1.27	1.53	1.82	2.17	2.58	3.05	3.61	4.27	5.04
40	1.10	1.32	1.58	1.87	2.22	2.63	3.10	3.65	4.28
45	0.93	1.13	1.35	1.60	1.90	2.24	2.64	3.10	3.63
50	0.77	0.95	1.14	1.36	1.60	1.89	2.22	2.61	3.05
55	-	0.78	0.95	1.13	1.33	1.57	1.85	2.17	2.55
60	-	0.62	0.76	0.91	1.08	1.28	1.51	1.78	2.09

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

Cooling capacity	7 982	W
Power input	4 204	W
Current consumption	7.82	A
Mass flow	283	kg/h
C.O.P.	1.90	



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%

Datasheet, performance data

Maneurop reciprocating compressor. MTZ064-4

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	3 929	5 405	7 244	9 499	12 226	15 476	19 305	23 764	28 906
35	3 441	4 823	6 538	8 639	11 181	14 218	17 804	21 991	26 834
40	2 966	4 252	5 839	7 783	10 138	12 959	16 300	20 214	24 755
45	2 504	3 691	5 148	6 932	9 098	11 701	14 795	18 434	22 674
50	2 055	3 141	4 467	6 089	8 064	10 447	13 294	16 659	20 597
55	-	2 604	3 797	5 256	7 040	9 204	11 805	14 898	18 538
60	-	2 079	3 141	4 440	6 035	7 984	10 345	13 173	16 525

Power input in W

30	2 404	2 781	3 131	3 449	3 733	3 981	4 189	4 355	4 476
35	2 399	2 819	3 211	3 573	3 903	4 196	4 451	4 665	4 835
40	2 372	2 836	3 274	3 683	4 060	4 403	4 708	4 973	5 195
45	2 320	2 832	3 318	3 777	4 204	4 599	4 956	5 275	5 552
50	2 240	2 802	3 340	3 851	4 332	4 780	5 194	5 569	5 904
55	-	2 744	3 336	3 902	4 440	4 946	5 418	5 853	6 248
60	-	2 656	3 305	3 930	4 526	5 093	5 626	6 123	6 581

Current consumption in A

30	5.75	6.10	6.50	6.90	7.29	7.65	7.93	8.11	8.17
35	5.80	6.17	6.59	7.04	7.48	7.88	8.22	8.48	8.61
40	5.81	6.21	6.67	7.16	7.65	8.12	8.53	8.86	9.08
45	5.78	6.22	6.73	7.27	7.82	8.36	8.85	9.26	9.58
50	5.71	6.20	6.76	7.36	7.98	8.60	9.17	9.68	10.09
55	-	6.14	6.76	7.43	8.13	8.83	9.50	10.10	10.62
60	-	6.04	6.73	7.48	8.26	9.05	9.82	10.54	11.17

Mass flow in kg/h

30	110	149	195	250	314	389	476	576	691
35	103	141	187	241	304	378	464	562	675
40	95	133	178	231	293	366	450	547	658
45	87	124	168	220	281	353	436	531	641
50	77	114	157	208	269	339	421	515	622
55	-	104	146	196	255	324	404	497	603
60	-	92	134	183	241	309	387	478	582

Coefficient of performance (C.O.P.)

30	1.63	1.94	2.31	2.75	3.27	3.89	4.61	5.46	6.46
35	1.43	1.71	2.04	2.42	2.87	3.39	4.00	4.71	5.55
40	1.25	1.50	1.78	2.11	2.50	2.94	3.46	4.06	4.77
45	1.08	1.30	1.55	1.84	2.16	2.54	2.98	3.49	4.08
50	0.92	1.12	1.34	1.58	1.86	2.19	2.56	2.99	3.49
55	-	0.95	1.14	1.35	1.59	1.86	2.18	2.55	2.97
60	-	0.78	0.95	1.13	1.33	1.57	1.84	2.15	2.51

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

Cooling capacity	9 098	W
Power input	4 204	W
Current consumption	7.82	A
Mass flow	281	kg/h
C.O.P.	2.16	

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%

