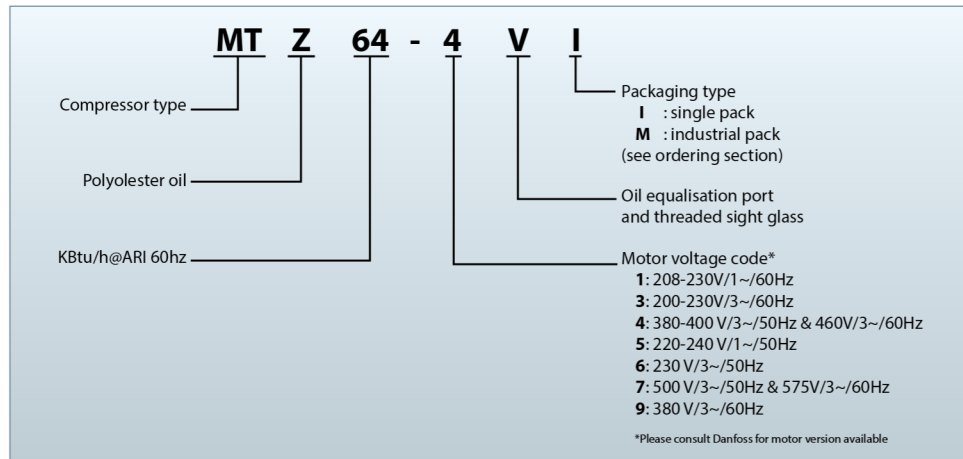
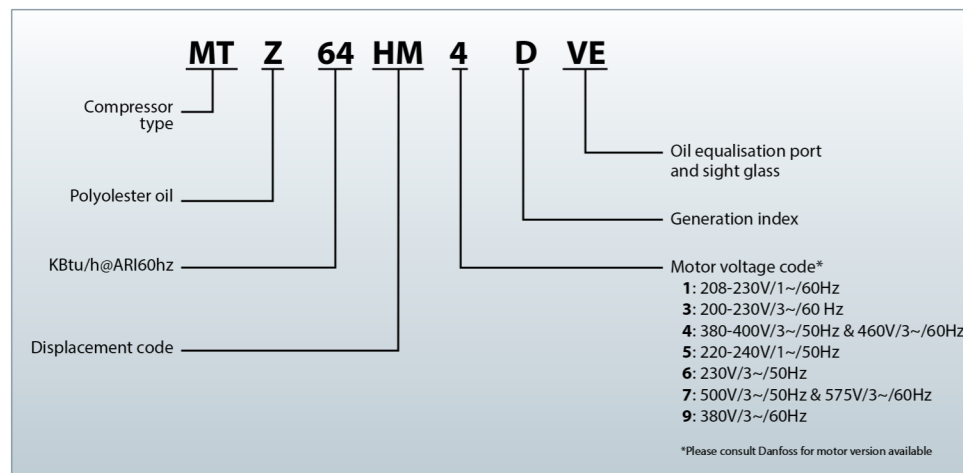


**Code numbers
(for ordering)**



Available code numbers are listed section "Ordering information and packaging"

**Compressor reference
(indicated on the compressor nameplate)**



Technical specifications

Compressor model	Displacement		Cyl. number	Oil charge dm ³	Net weight kg	Available motor voltage codes							
	Code	cm ³ /rev				m ³ /h at 2900 rpm	1	3	4	5	6	7	9
MT/MTZ018	JA	30.23	5.26	1	0.95	21	●	●	●	●	-	-	-
MT/MTZ022	JC	38.12	6.63	1	0.95	21	●	●	●	●	●	-	●
MT/MTZ028	JE	48.06	8.36	1	0.95	23	●	●	●	●	●	-	○
MT/MTZ032	JF	53.86	9.37	1	0.95	24	●	●	●	●	●	○	●
MT/MTZ036	JG	60.47	10.52	1	0.95	24	●	●	●	●	●	○	○
MT/MTZ040	JH	67.89	11.81	1	0.95	24	●	●	●	-	●	-	-
MT/MTZ044	HJ	76.22	13.26	2	1.8	35	○	●	●	-	○	○	●
MT/MTZ050	HK	85.64	14.90	2	1.8	35	●	●	●	-	●	○	●
MT/MTZ056	HL	96.13	16.73	2	1.8	37	●	●	●	-	●	●	●
MT/MTZ064	HM	107.71	18.74	2	1.8	37	●	●	●	-	●	-	●
MT/MTZ072	HN	120.94	21.04	2	1.8	40	-	●	●	-	○	-	●
MT/MTZ080	HP	135.78	23.63	2	1.8	40	-	●	●	-	●	-	●
MT/MTZ100	HS	171.26	29.80	4	3.9	60	-	●	●	-	●	●	●
MT/MTZ125	HU	215.44	37.49	4	3.9	64	-	●	●	-	●	●	●
MT/MTZ144	HV	241.87	42.09	4	3.9	67	-	●	●	-	●	●	●
MT/MTZ160	HW	271.55	47.25	4	3.9	67	-	●	●	-	●	●	●

● Available in MT and MTZ

○ Available in MTZ only

Approvals and certificates

Maneurop® MT/MTZ compressors comply with the following approvals and certificates.

Other certificates/approvals please contact Danfoss

CE (European Directive)		All models
UL (Underwriters Laboratories)		All 60 Hz models
CCC (China Compulsory Product Certification)		All models code 4 and 5 under CCC scope.
EAC Eurasian conformity mark		All models voltage code 4 and 5

Pressure equipment directive 2014/68/EU

Products	MT/MTZ 018 to 040	MT/MTZ 018 to 040**	MT/MTZ 044 to 160
Refrigerating fluids*	Group 2	Group 1	Group 2
Category PED	I	II	II
Evaluation module	no scope	D1	D1
Maximum/minimum allowable temperature - TS	50°C > Ts > -35°C	50°C > Ts > -35°C	50°C > Ts > -35°C
MT maximum allowable pressure - PS	18.4 bar(g)	18.4 bar(g)	18.4 bar(g)
MTZ maximum allowable pressure - PS	22.6 bar(g)	22.6 bar(g)	22.6 bar(g)

* According to the PED classification Group1 contains hazardous fluids e.g. flammable, while Group 2 all other fluids

** Only motor code 4 and 5

Low voltage directive 2014/35/EU

Products	MT/MTZ 018 to 040	MT/MTZ 044 to 160
Manufacturer's declaration	contact Danfoss	contact Danfoss

Machinery directive 2014/30/EU

Products	MT/MTZ 018 to 040	MT/MTZ 044 to 160
Manufacturer's declaration	contact Danfoss	contact Danfoss

Internal free volume

Products	Volume (litre)	
	Low side	High side
1 cyl.	7.76	0.28
2 cyl.	17.13	0.63
4 cyl.	32.2	1.20

Nominal performance data for R404A and R22

Compressor model	Refrigeration											
	50 Hz, EN12900 ratings To = -10°C, Tc = 45°C, SC = 0K, SH = 10K				50 Hz, ARI ratings To = -6.7°C, Tc = 48.9°C, SC = 0K, SH = 11.1K				60 Hz, ARI ratings To = -6.7°C, Tc = 48.9°C, SC = 0K, SH = 11.1K			
	Cooling capacity W	Power input kW	Current input A	C.O.P. W/W	Cooling capacity W	Power input kW	Current input A	E.E.R. Btu.h/W	Cooling capacity W	Power input kW	Current input A	E.E.R. Btu.h/W
MTZ018-4*	1910	1.21	2.73	1.58	2070	1.31	2.86	5.39	2630	1.76	2.86	5.10
MTZ022-4*	2630	1.48	3.06	1.77	2830	1.62	3.24	5.96	3600	2.05	3.27	5.99
MTZ028-4*	3430	1.96	4.04	1.75	3690	2.14	4.30	5.88	4680	2.68	4.23	5.96
MTZ032-4*	3980	2.16	4.25	1.84	4260	2.37	4.56	6.13	5110	2.98	4.56	5.85
MTZ036-4*	4670	2.58	4.95	1.81	4990	2.83	5.33	6.02	5900	3.33	5.09	6.05
MTZ040-4*	5330	2.95	5.87	1.81	5680	3.24	6.29	5.98	6740	3.76	5.88	6.12
MTZ044-4*	5370	2.78	5.35	1.93	5780	3.02	5.67	6.53	7110	3.85	5.85	6.30
MTZ050-4*	6260	3.22	5.95	1.94	6700	3.50	6.33	6.53	8360	4.42	6.53	6.46
MTZ056-4*	6710	3.51	6.83	1.91	7250	3.85	7.25	6.43	9490	4.98	7.52	6.50
MTZ064-4*	7980	4.20	7.82	1.90	8590	4.60	8.35	6.37	10540	5.67	8.31	6.34
MTZ072-4*	8920	4.69	8.95	1.90	9570	5.11	9.50	6.39	11960	6.53	9.73	6.25
MTZ080-4*	10470	5.61	10.20	1.87	11180	6.14	10.94	6.21	13610	7.81	11.35	5.95
MTZ100-4*	12280	6.76	12.21	1.82	13170	7.35	12.94	6.12	15480	8.72	12.79	6.06
MTZ125-4*	15710	8.44	14.69	1.86	16800	9.22	15.82	6.22	19970	11.37	16.41	5.99
MTZ144-4*	18490	9.78	16.77	1.89	19690	10.66	17.99	6.30	23540	12.99	18.47	6.18
MTZ160-4*	20310	11.08	18.80	1.83	21660	12.09	20.22	6.11	25570	14.73	20.77	5.92

* 50 Hz, EN12900 data for indicated models are Asercom certified

R404A data are also valid for refrigerant R507A

Compressor model	Refrigeration				Air Conditioning							
	50 Hz, EN12900 ratings To = -10°C, Tc = 45°C, SC = 0K, SH = 10K				50 Hz, ARI ratings To = 7.2°C, Tc = 54.4°C, SC = 8.3K, SH = 11.1K				60 Hz, ARI ratings To = 7.2°C, Tc = 54.4°C, SC = 8.3K, SH = 11.1K			
	Cooling capacity W	Power input kW	Current input A	C.O.P. W/W	Cooling capacity W	Power input kW	Current input A	E.E.R. Btu.h/W	Cooling capacity W	Power input kW	Current input A	E.E.R. Btu.h/W
MT018-4	1690	1.00	2.27	1.69	3880	1.45	2.73	9.13	4660	1.74	2.73	9.14
MT022-4	2490	1.29	2.55	1.94	5360	1.89	3.31	9.68	6440	2.27	3.31	9.68
MT028-4	3730	1.81	3.59	2.06	7380	2.55	4.56	9.88	8850	3.06	4.56	9.87
MT032-4	3950	2.11	3.73	1.87	8060	2.98	4.97	9.23	9680	3.58	4.97	9.23
MT036-4	4810	2.35	4.30	2.04	9270	3.37	5.77	9.39	11130	4.05	5.77	9.38
MT040-4	5220	2.67	4.86	1.95	10480	3.86	6.47	9.27	12570	4.63	6.47	9.27
MT044-4	4860	2.46	5.02	1.98	10520	3.53	6.37	10.17	12890	4.32	6.42	10.18
MT050-4	5870	2.94	5.53	2.00	12230	4.19	7.20	9.96	14690	5.04	7.26	9.95
MT056-4	6450	3.18	6.39	2.03	13750	4.58	8.19	10.25	16520	5.58	8.23	10.10
MT064-4	7750	3.64	7.03	2.13	15730	5.27	9.16	10.19	18850	6.32	9.33	10.18
MT072-4	8710	4.19	8.48	2.08	18200	6.12	10.98	10.15	21840	7.33	10.77	10.17
MT080-4	10360	4.89	9.52	2.12	20740	7.08	12.48	10.00	24890	8.50	12.34	9.99
MT100-4	11330	5.79	11.82	1.96	23400	7.98	14.59	10.01	28080	9.58	14.59	10.00
MT125-4	15260	7.55	12.28	2.02	30430	10.66	17.37	9.74	36520	12.80	17.37	9.74
MT144-4	17280	8.47	17.06	2.04	34340	11.96	22.75	9.80	41210	14.35	22.75	9.80
MT160-4	19190	9.49	16.81	2.02	38270	13.40	22.16	9.75	45930	16.08	22.16	9.75

To: Evaporating temperature at dew point (saturated suction temperature)
Tc: Condensing temperature at dew point (saturated discharge temperature)
SC: Subcooling
SH: Superheat

ARI capacity and power input data are +/- 5%
Asercom: Association of European Refrigeration Compressor and Controls Manufacturers
ARI: Air Conditioning and Refrigeration Institute