

Quick Reference

Compresores Alternativos

MT - MTM - MTZ - LTZ

R404A - R507A - R407C - R134a - R22
50 Hz



***W*laneurop®**
RECIPROCATING COMPRESSORS

REFRIGERATION AND AIR CONDITIONING

Model	To	-45		-40		-35		-30		-25		-20	
		Tc	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo
LTZ22	35	470	0.63	740	0.77	1 090	0.94	1 550	1.12	2 110	1.33	2 810	1.56
	45	320	0.63	520	0.78	790	0.95	1 150	1.14	1 600	1.36	2 160	1.61
	55	-	-	410	0.76	580	0.94	810	1.15	1 120	1.38	1 530	1.63
LTZ28	35	830	0.89	1 210	1.11	1 690	1.35	2 300	1.62	3 060	1.91	3 990	2.24
	45	490	0.90	810	1.13	1 220	1.38	1 720	1.67	2 350	1.99	3 130	2.34
	55	-	-	550	1.10	840	1.37	1 220	1.68	1 700	2.03	2 310	2.41
LTZ40	35	1 260	1.48	1 780	1.81	2 500	2.18	3 440	2.58	4 640	3.01	6 110	3.48
	45	920	1.50	1 320	1.84	1 890	2.22	2 640	2.63	3 620	3.07	4 850	3.55
	55	-	-	940	1.83	1 300	2.22	1 830	2.64	2 550	3.09	3 490	3.58
LTZ44	35	1 220	1.78	1 870	2.18	2 750	2.58	3 880	2.98	5 280	3.38	7 010	3.7
	45	830	1.70	1 350	2.12	2 040	2.56	2 950	3.01	4 110	3.46	5 550	3.91
	55	-	-	910	1.98	1 380	2.46	2 020	2.96	2 870	3.47	3 970	3.98
LTZ50	35	1 840	2.43	2 670	2.92	3 740	3.41	5 080	3.90	6 720	4.37	8 700	4.83
	45	1 290	2.29	1 970	2.83	2 860	3.38	3 990	3.95	5 380	4.52	7 070	5.08
	55	-	-	1 270	2.63	1 930	3.27	2 790	3.93	3 880	4.60	5 230	5.28
LTZ88	35	2 300	3.59	3 500	4.15	5 090	4.74	7 140	5.35	9 710	5.97	12 850	6.59
	45	1 560	3.43	2 570	4.10	3 920	4.83	5 670	5.60	7 900	6.40	10 650	7.24
	55	-	-	1 450	3.72	2 480	4.61	3 880	5.57	5 690	6.60	7 980	7.68
LTZ100	35	3 460	4.35	5 060	5.18	7 120	6.03	9 690	6.86	12 850	7.67	16 650	8.44
	45	2 260	3.97	3 640	4.95	5 410	5.98	7 650	7.03	10 420	8.10	13 780	9.17
	55	-	-	2 040	4.42	3 460	5.67	5 280	6.99	7 580	8.36	10 420	9.76
LTZ176	35	4 600	7.18	7 000	8.31	10 180	9.49	14 280	10.70	19 410	11.94	25 700	13.19
	45	3 120	6.86	5 130	8.21	7 830	9.65	11 340	11.19	15 790	12.80	21 300	14.48
	55	-	-	2 900	7.45	4 970	9.23	7 750	11.15	11 380	13.19	15 970	15.36
LTZ200	35	6 930	8.70	10 130	10.37	14 240	12.05	19 380	13.72	25 690	15.34	33 300	16.89
	45	4 520	7.93	7 270	9.90	10 830	11.95	15 310	14.06	20 840	16.20	27 570	18.33
	55	-	-	4 080	8.83	6 920	11.34	10 570	13.98	15 160	16.72	20 830	19.52

Legend:


To: Evaporating temperature in °C
Tc: Condensing temperature in °C

Qo: Cooling capacity in W
Pe: Power input in kW

Superheat = 11.1 K
Subcooling = 8.3 K

Voltage: 400 V / 3 / 50 Hz

Further reference

For more exhaustive information on Maneurop Reciprocating compressors, please refer to the following documents:


Danfoss Commercial Compressors Online Datasheet Generator

www.danfoss.com/odsg

A new tool, providing user-friendly access to full technical data, performance data and outline drawings for each individual Maneurop reciprocating compressor MT, MTZ & LTZ.

Selection and Application Guidelines for Maneurop MT, MTZ and LTZ compressors

Literature: GA 035 - 06/01 GB (MT, MTZ) - GA 041 - 06/01 GB (LTZ)

With performance data, operating envelopes, outline drawings, electrical data, installation and application information for Maneurop MT, MTZ and LTZ compressors.

Selection and Application Guidelines for Maneurop MTM, MTZ & LTZ tandem assemblies

Literature: GA 056 - 06/02 GB

With performance data, operating envelopes, outline drawings, electrical data, installation and application information for Maneurop MTM, MTZ & LTZ tandem assemblies.

Parallel Application Guidelines for Maneurop MT, MTZ & LTZ compressors

Literature: GA 045 - 10/00 GB

With information about oil equalisation, suction and discharge lines, compressor control sequence, system components and installation and application information, for mounting in parallel Maneurop MT and MTZ compressors

All above documents are available for download from the Danfoss Commercial Compressors: www.danfoss.com or local Danfoss websites.

Más información

Para información mas detalla sobre los compresores alternativos Maneurop, ver los siguientes documentos:

Generador de Documentación Online para Compresores Comerciales Danfoss

www.danfoss.com/odsg

Nueva herramienta de fácil manejo, que permite acceder a datos técnicos, datos de funcionamiento y dibujos para cada compresor alternativo Maneurop MT, MTZ & LTZ.

Guías de Aplicación y Selección para compresores Maneurop MT, MTZ y LTZ

Literatura: GA 035 – 06/01 GB (MT, MTZ) – GA 041 – 06/01 GB (LTZ)

Con datos de funcionamiento, gráficos de aplicación, dibujos, datos eléctricos, información sobre instalación y aplicación de para compresores Maneurop MT, MTZ y LTZ.

Guías de Aplicación y Selección para unidades tandem Maneurop MT, MTZ y LTZ

Literatura: GA 056 – 06/02 GB

Con datos de funcionamiento, gráficos de aplicación, dibujos, datos eléctricos, información sobre instalación y aplicación de para unidades tandem Maneurop MT, MTZ y LTZ.

Guía de Aplicación para instalaciones paralelas para compresores Maneurop MT, MTZ & LTZ

Literatura: GA 045 – 10/00 GB

Con información sobre las tuberías de igualación de aceite, aspiración y descarga, secuencia de control de compresores, componentes del sistema e instalación y aplicación para el montaje en paralelo de los compresores Maneurop MT y MTZ.

Todo estos documentos están disponibles para descargar desde Compresores Comerciales Danfoss:

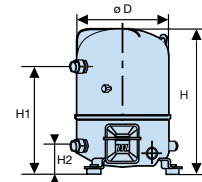
www.danfoss.es

Product range

		Nominal voltage						
		208-230/1/60	200-230/3/60	400/3/50 460/3/60	230/1/50	230/3/50	500/3/50 575/3/60	380/3/60
Model		Motor voltage code						
		1	3	4	5	6	7	9
MT / MTZ 18	1 cylinder	●	●	●	●	●		
MT / MTZ 22		●	●	●	●	●	●	●
MT / MTZ 28		●	●	●	●	●	●	
MT / MTZ 32		●	●	●	●	●	●	●
MT / MTZ 36		●	●	●	●	●	●	●
MT / MTZ 40		●	●	●	●	●	●	●
MT / MTZ 44		●	●	●	●	●	●	●
MT / MTZ 45	2 cylinders	●	●	●				
MT / MTZ 50		●	●	●	●	●	●	●
MT / MTZ 51		●	●	●	●	●	●	●
MT / MTZ 56		●	●	●	●	●	●	●
MT / MTZ 57		●	●	●	●	●	●	●
MT / MTZ 64		●	●	●	●	●	●	●
MT / MTZ 65		●	●	●	●	●	●	●
MT / MTZ 72	4 cylinders	●	●	●	●	●	●	●
MT / MTZ 73		●	●	●	●	●	●	●
MT / MTZ 80		●	●	●	●	●	●	●
MT / MTZ 81		●	●	●	●	●	●	●
MT / MTZ 100		●	●	●	●	●	●	●
MT / MTZ 125		●	●	●	●	●	●	●
MT / MTZ 144		●	●	●	●	●	●	●
MT / MTZ 160	Tandem 2 x 4	●	●	●	●	●	●	●
MTM / MTZ 200 T		●	●	●	●	●	●	●
MTM / MTZ 250 T		●	●	●	●	●	●	●
MTM / MTZ 288 T		●	●	●	●	●	●	●
MTM / MTZ 320 T	●	●	●	●	●	●	●	
Model		1	3	4	5	6	7	9
LTZ 22	1 cyl.	●	●	●	●			
LTZ 28		●	●	●	●			
LTZ 40	2 cyl.	●	●	●	●			
LTZ 44		●	●	●	●			
LTZ 50		●	●	●	●			
LTZ 88	4 cyl.	●	●	●	●	●	●	●
LTZ 100		●	●	●	●	●	●	●
LTZ 176 T	2 x 4	●	●	●	●	●	●	●
LTZ 200 T		●	●	●	●	●	●	●

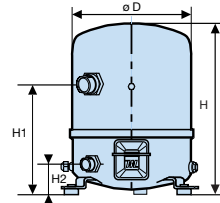
1 cylinder

D : 225 mm
H : 333/358 mm
H1: 263 mm
H2: 68 mm



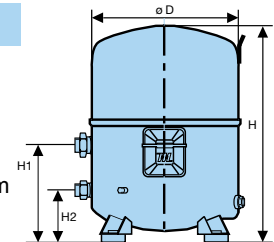
2 cylinders

D : 288 mm
H : 415 mm
H1: 266 mm
H2: 75 mm



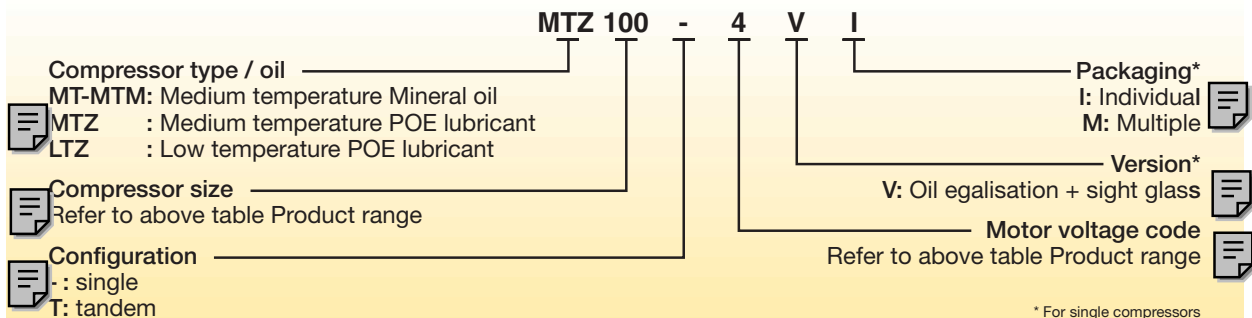
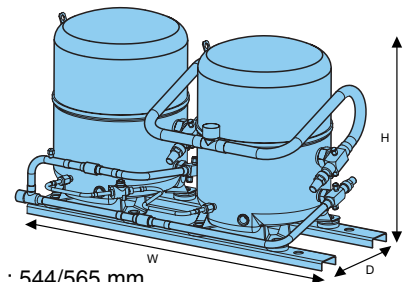
4 cylinders

D : 352 mm
H : 519/540 mm
H1: 233 mm
H2: 125 mm



Tandem 2 x 4

H : 544/565 mm
D : 515 mm
W : 925 mm



MTZ R134a
PERFORMANCE DATA

Model	To Tc	-15		-10		-5		0		5		10		15		20	
		Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
MTZ18	35	1 020	0.58	1 450	0.64	1 980	0.70	2 610	0.74	3 350	0.76	4 210	0.77	5 200	0.76	6 340	0.73
	45	760	0.61	1 140	0.69	1 600	0.76	2 150	0.82	2 800	0.87	3 550	0.91	4 430	0.93	5 430	0.93
	55	580	0.61	890	0.71	1 270	0.80	1 720	0.88	2 250	0.96	2 880	1.03	3 620	1.09	4 480	1.12
MTZ22	35	1 320	0.68	1 860	0.76	2 520	0.84	3 310	0.90	4 260	0.94	5 370	0.96	6 660	0.97	8 160	0.94
	45	1 030	0.72	1 500	0.81	2 080	0.91	2 770	0.99	3 610	1.06	4 600	1.11	5 750	1.15	7 090	1.16
	55	810	0.72	1 190	0.84	1 670	0.95	2 250	1.06	2 960	1.16	3 800	1.25	4 800	1.32	5 960	1.37
MTZ28	35	1 650	0.85	2 260	0.94	3 030	1.03	4 000	1.11	5 170	1.19	6 580	1.25	8 260	1.29	10 200	1.32
	45	1 350	0.91	1 880	1.02	2 560	1.13	3 410	1.23	4 450	1.34	5 710	1.43	7 210	1.51	8 980	1.58
	55	1 140	0.95	1 570	1.08	2 120	1.22	2 830	1.35	3 720	1.48	4 800	1.61	6 110	1.73	7 660	1.85
MTZ32	35	1 940	1.03	2 680	1.17	3 590	1.30	4 710	1.41	6 070	1.49	7 680	1.55	9 580	1.57	11 800	1.56
	45	1 560	1.09	2 210	1.25	3 020	1.40	4 020	1.54	5 230	1.66	6 690	1.76	8 400	1.83	10 400	1.86
	55	1 260	1.11	1 790	1.29	2 470	1.48	3 320	1.65	4 370	1.81	5 630	1.96	7 140	2.08	8 930	2.16
MTZ36	35	2 650	1.20	3 480	1.33	4 490	1.45	5 690	1.56	7 100	1.64	8 750	1.70	10 700	1.73	12 800	1.72
	45	2 250	1.29	3 000	1.45	3 910	1.60	4 990	1.74	6 280	1.86	7 780	1.97	9 530	2.05	11 500	2.10
	55	1 860	1.35	2 510	1.54	3 300	1.72	4 250	1.91	5 380	2.08	6 720	2.23	8 270	2.37	10 100	2.48
MTZ40	35	3 070	1.33	3 910	1.44	4 890	1.56	6 030	1.65	7 350	1.73	8 860	1.79	10 600	1.82	12 500	1.83
	45	2 680	1.47	3 460	1.61	4 370	1.75	5 420	1.89	6 640	2.01	8 020	2.12	9 600	2.21	11 400	2.27
	55	2 260	1.56	2 950	1.74	3 770	1.92	4 720	2.10	5 810	2.28	7 060	2.44	8 490	2.59	10 100	2.72
MTZ44	35	2 880	1.55	3 910	1.70	5 190	1.83	6 760	1.94	8 640	2.02	10 900	2.07	13 500	2.08	16 600	2.04
	45	2 270	1.62	3 170	1.80	4 290	1.96	5 670	2.12	7 340	2.25	9 340	2.35	11 700	2.42	14 400	2.45
	55	1 820	1.64	2 560	1.85	3 490	2.07	4 650	2.27	6 070	2.46	7 780	2.63	9 830	2.77	12 200	2.87
MTZ50	35	3 350	1.72	4 550	1.90	6 040	2.06	7 850	2.20	10 000	2.30	12 600	2.37	15 600	2.39	19 100	2.36
	45	2 630	1.79	3 700	2.01	5 020	2.21	6 630	2.40	8 570	2.56	10 900	2.69	13 600	2.78	16 700	2.83
	55	2 100	1.81	2 990	2.07	4 100	2.32	5 470	2.57	7 140	2.80	9 140	3.01	11 500	3.18	14 300	3.32
MTZ56	35	3 720	1.87	5 060	2.08	6 720	2.27	8 720	2.44	11 100	2.57	13 900	2.65	17 200	2.69	21 000	2.66
	45	2 930	1.95	4 140	2.20	5 620	2.44	7 420	2.66	9 580	2.85	12 100	3.01	15 100	3.13	18 600	3.20
	55	2 300	1.96	3 330	2.26	4 600	2.56	6 150	2.85	8 030	3.12	10 300	3.37	12 900	3.58	16 000	3.75
MTZ64	35	4 200	2.06	5 740	2.31	7 610	2.53	9 870	2.73	12 600	2.88	15 700	2.99	19 400	3.04	23 700	3.02
	45	3 320	2.14	4 700	2.43	6 400	2.71	8 440	2.97	10 900	3.20	13 800	3.40	17 100	3.54	21 000	3.63
	55	2 580	2.15	3 780	2.50	5 240	2.84	7 020	3.18	9 170	3.50	11 700	3.80	14 700	4.05	18 200	4.26
MTZ72	35	5 040	2.27	6 780	2.53	8 880	2.77	11 400	2.98	14 300	3.15	17 800	3.27	21 800	3.33	26 400	3.32
	45	4 000	2.34	5 590	2.67	7 510	2.99	9 800	3.30	12 500	3.58	15 700	3.83	19 400	4.03	23 600	4.18
	55	2 990	2.17	4 390	2.59	6 080	3.01	8 110	3.44	10 500	3.85	13 400	4.24	16 700	4.61	20 500	4.93
MTZ80	35	5 940	2.64	7 880	2.94	10 200	3.23	13 000	3.50	16 300	3.75	20 100	3.96	24 500	4.12	29 500	4.23
	45	4 860	2.76	6 630	3.11	8 750	3.46	11 300	3.80	14 300	4.13	17 700	4.42	21 800	4.69	26 400	4.91
	55	3 830	2.80	5 380	3.22	7 250	3.64	9 480	4.06	12 100	4.48	15 200	4.88	18 900	5.26	23 000	5.60
MTZ100	35	6 360	3.05	8 660	3.38	11 500	3.68	14 900	3.91	18 900	4.08	23 700	4.16	29 300	4.14	35 700	4.01
	45	5 100	3.25	7 160	3.65	9 670	4.02	12 700	4.35	16 400	4.63	20 700	4.84	25 700	4.96	31 600	4.98
	55	4 150	3.33	5 880	3.82	8 020	4.29	10 600	4.74	13 800	5.15	17 500	5.50	22 000	5.79	27 200	5.98
MTZ125	35	8 160	3.49	11 000	3.95	14 400	4.37	18 500	4.71	23 400	4.97	29 100	5.12	35 700	5.15	43 200	5.02
	45	6 430	3.63	9 000	4.17	12 100	4.69	15 800	5.16	20 200	5.57	25 400	5.89	31 400	6.09	38 300	6.18
	55	4 940	3.58	7 150	4.24	9 840	4.89	13 100	5.51	16 900	6.09	21 500	6.60	26 800	7.02	33 000	7.33
MTZ144	35	10 500	4.53	13 800	5.01	17 900	5.46	22 700	5.87	28 400	6.22	34 900	6.49	42 600	6.67	51 300	6.75
	45	8 630	4.85	11 700	5.40	15 300	5.94	19 700	6.46	24 800	6.93	30 800	7.34	37 800	7.67	45 700	7.92
	55	6 970	5.07	9 610	5.71	12 800	6.36	16 600	7.00	21 100	7.61	26 500	8.18	32 600	8.70	39 800	9.13
MTZ160	35	11 500	4.90	15 200	5.44	19 700	5.98	25 000	6.49	31 300	6.98	38 700	7.42	47 200	7.80	57 000	8.12
	45	9 610	5.23	12 900	5.84	16 900	6.45	21 700	7.06	27 300	7.65	34 000	8.21	41 700	8.72	50 600	9.18
	55	7 920	5.48	10 700	6.17	14 100	6.88	18 200	7.59	23 100	8.31	28 900	9.00	35 700	9.67	43 600	10.30
MTZ200	35	12 700	6.11	17 300	6.77	23 000	7.35	29 800	7.82	37 900	8.16	47 500	8.32	58 600	8.29	71 400	8.02
	45	10 200	6.50	14 300	7.29	19 300	8.04	25 400	8.70	32 700	9.26	41 300	9.68	51 400	9.92	63 100	9.96
	55	8 300	6.67	11 800	7.64	16 000	8.58	21 300	9.48	27 600	10.30	35 100	11.01	44 000	11.57	54 300	11.97
MTZ250	35	16 300	6.99	22 000	7.91	28 900	8.73	37 100	9.42	46 800	9.94	58 200	10.24	71 300	10.29	86 400	10.05
	45	12 900	7.25	18 000	8.35	24 200	9.39	31 600	10.33	40 400	11.14	50 700	11.77	62 700	12.19	76 500	12.35
	55	9 880	7.16	14 300	8.48	19 700	9.78	26 200	11.03	33 900	12.18	43 000	13.20	53 700	14.03	66 000	14.66
MTZ288	35	20 900	9.06	27 700	10.02	35 800	10.92	45 400	11.73	56 700	12.43	69 900	12.98	85 100	13.34	102 500	13.50
	45	17 300	9.71	23 400	10.81	30 700	11.89	39 400	12.91	49 700	13.85	61 700	14.67	75 600	15.35	91 500	15.84
	55	13 900	10.14	19 200	11.43	25 600	12.73	33 200	14.00	42 300	15.23	52 900	16.37	65 300	17.39	79 500	18.27
MTZ320	35	23 100	9.79	30 400	10.88	39 300	11.95	50 000	12.99	62 600	13.96	77 300	14.84	94 400	15.60	114 000	16.23
	45	19 200	10.46	25 800	11.67	33 800	12.90	43 300	14.11	54 600	15.29	67 900	16.41	83 400	17.44	101 200	18.37
	55	15 800	10.96	21 400	12.34	28 200	13.76	36 500	15.19	46 300	16.62	57 900	18.01	71 500	19.35	87 200	20.60

Legend:


To: Evaporating temperature in °C
Tc: Condensing temperature in °C

Qo: Cooling capacity in W
Pe: Power input in kW

Superheat = 11.1 K
Subcooling = 8.3 K

Voltage: 400 V / 3 / 50 Hz

MTZ R407C
PERFORMANCE DATA

Model	To Tc	-15		-10		-5		0		5		10		15	
		Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
MTZ18	35	1 560	0.79	2 210	0.88	3 000	0.95	3 920	1.00	5 010	1.05	6 270	1.08	7 720	1.11
	45	1 180	0.82	1 750	0.94	2 430	1.04	3 240	1.13	4 180	1.20	5 270	1.25	6 530	1.30
	55	-	-	-	-	1 930	1.11	2 620	1.24	3 420	1.34	4 350	1.44	5 430	1.52
MTZ22	35	2 250	1.04	3 060	1.16	4 010	1.25	5 130	1.32	6 430	1.37	7 940	1.41	9 660	1.43
	45	1 770	1.07	2 490	1.24	3 330	1.39	4 320	1.50	5 460	1.60	6 790	1.67	8 310	1.73
	55	-	-	-	-	2 660	1.48	3 510	1.66	4 500	1.81	5 640	1.94	6 960	2.05
MTZ28	35	2 740	1.26	3 790	1.42	5 030	1.56	6 480	1.66	8 180	1.73	10 100	1.78	12 400	1.79
	45	2 160	1.30	3 110	1.52	4 220	1.72	5 520	1.89	7 030	2.03	8 770	2.13	10 800	2.21
	55	-	-	-	-	3 390	1.83	4 520	2.08	5 840	2.29	7 360	2.48	9 110	2.63
MTZ32	35	3 380	1.45	4 530	1.61	5 870	1.75	7 450	1.86	9 280	1.94	11 400	2.01	13 800	2.07
	45	2 710	1.50	3 740	1.75	4 940	1.95	6 330	2.12	7 940	2.27	9 800	2.38	11 900	2.48
	55	-	-	-	-	4 000	2.10	5 210	2.36	6 600	2.59	8 200	2.78	10 000	2.94
MTZ36	35	3 980	1.72	5 230	1.93	6 690	2.11	8 400	2.25	10 400	2.35	12 600	2.43	15 200	2.47
	45	3 270	1.81	4 400	2.10	5 710	2.36	7 200	2.57	8 920	2.73	10 900	2.86	13 100	2.95
	55	-	-	-	-	4 700	2.56	6 020	2.87	7 510	3.13	9 190	3.35	11 100	3.51
MTZ40	35	4 620	2.04	6 010	2.25	7 640	2.44	9 540	2.61	11 700	2.75	14 300	2.85	17 200	2.93
	45	3 890	2.18	5 150	2.48	6 610	2.74	8 290	2.98	10 200	3.18	12 400	3.35	15 000	3.48
	55	-	-	-	-	5 530	3.00	7 020	3.33	8 710	3.62	10 600	3.88	12 800	4.10
MTZ44	35	4 340	2.06	5 880	2.27	7 740	2.45	9 940	2.59	12 500	2.69	15 500	2.73	19 000	2.71
	45	3 390	2.21	4 770	2.47	6 420	2.72	8 390	2.94	10 700	3.14	13 400	3.28	16 500	3.38
	55	-	-	-	-	5 080	2.91	6 760	3.23	8 750	3.53	11 100	3.81	13 800	4.04
MTZ45	35	4 500	1.92	6 090	2.13	8 040	2.31	10 400	2.44	13 100	2.56	16 300	2.65	20 100	2.73
	45	3 570	1.97	4 920	2.28	6 590	2.54	8 610	2.76	11 000	2.94	13 800	3.10	17 100	3.24
	55	-	-	-	-	5 250	2.69	6 940	3.01	8 990	3.29	11 400	3.53	14 300	3.75
MTZ50	35	4 940	2.28	6 690	2.54	8 800	2.78	11 300	2.98	14 300	3.13	17 700	3.23	21 600	3.26
	45	3 880	2.42	5 450	2.74	7 330	3.04	9 570	3.32	12 200	3.57	15 300	3.78	18 800	3.94
	55	-	-	-	-	5 840	3.24	7 750	3.63	10 000	3.99	12 700	4.33	15 700	4.62
MTZ51	35	5 230	2.24	6 990	2.48	9 120	2.68	11 600	2.85	14 600	2.99	18 100	3.10	22 100	3.19
	45	4 200	2.34	5 780	2.70	7 650	3.00	9 860	3.24	12 500	3.45	15 500	3.61	19 000	3.75
	55	-	-	-	-	6 180	3.22	8 090	3.60	10 300	3.91	13 000	4.18	16 000	4.39
MTZ56	35	5 650	2.54	7 670	2.87	10 100	3.17	13 000	3.44	16 300	3.66	20 200	3.83	24 700	3.93
	45	4 460	2.67	6 260	3.05	8 420	3.43	11 000	3.78	14 000	4.10	17 500	4.38	21 500	4.60
	55	-	-	-	-	6 760	3.65	8 940	4.10	11 500	4.54	14 500	4.94	18 000	5.31
MTZ57	35	5 640	2.40	7 620	2.68	10 000	2.91	12 900	3.11	16 200	3.28	20 100	3.43	24 600	3.56
	45	4 540	2.50	6 310	2.90	8 440	3.24	11 000	3.53	13 900	3.77	17 400	3.98	21 400	4.16
	55	-	-	-	-	6 840	3.47	9 040	3.89	11 600	4.26	14 700	4.56	18 200	4.83
MTZ64	35	6 340	2.80	8 620	3.19	11 300	3.56	14 600	3.89	18 400	4.18	22 700	4.41	27 800	4.58
	45	5 020	2.91	7 060	3.36	9 490	3.80	12 400	4.22	15 700	4.61	19 600	4.96	24 100	5.25
	55	-	-	-	-	7 660	4.04	10 100	4.57	13 000	5.07	16 400	5.55	20 300	5.99
MTZ65	35	6 800	2.78	9 000	3.08	11 700	3.34	14 800	3.56	18 500	3.76	22 900	3.94	27 900	4.12
	45	5 550	2.91	7 480	3.35	9 820	3.73	12 600	4.05	15 900	4.32	19 800	4.57	24 300	4.79
	55	-	-	-	-	8 030	4.02	10 400	4.48	13 300	4.89	16 700	5.25	20 700	5.56
MTZ72	35	7 330	3.16	9 850	3.61	12 800	4.03	16 400	4.41	20 500	4.74	25 200	5.01	30 600	5.21
	45	5 850	3.30	8 110	3.81	10 800	4.32	13 900	4.80	17 600	5.25	21 900	5.64	26 700	5.98
	55	-	-	-	-	8 770	4.58	11 500	5.18	14 600	5.76	18 300	6.31	22 500	6.81
MTZ73	35	7 680	3.31	10 200	3.66	13 200	3.96	16 800	4.22	21 000	4.43	25 900	4.58	31 500	4.69
	45	6 300	3.49	8 540	3.96	11 200	4.39	14 400	4.77	18 200	5.11	22 600	5.39	27 700	5.63
	55	-	-	-	-	9 220	4.70	12 000	5.23	15 300	5.71	19 200	6.15	23 700	6.53
MTZ80	35	8 510	3.60	11 300	4.11	14 600	4.60	18 500	5.04	23 000	5.42	28 200	5.73	34 100	5.96
	45	6 850	3.76	9 380	4.35	12 400	4.93	15 800	5.48	19 900	6.00	24 500	6.46	29 800	6.85
	55	-	-	-	-	10 100	5.23	13 100	5.92	16 600	6.59	20 600	7.22	25 300	7.80
MTZ81	35	8 770	3.84	11 600	4.23	15 000	4.57	18 900	4.84	23 500	5.06	28 900	5.24	35 000	5.38
	45	7 290	4.08	9 860	4.64	12 900	5.12	16 400	5.54	20 600	5.89	25 300	6.19	30 800	6.45
	55	-	-	-	-	10 700	5.55	13 800	6.14	17 400	6.66	21 600	7.12	26 500	7.53
MTZ100	35	9 910	4.58	13 500	5.04	17 800	5.41	22 800	5.72	28 800	5.97	35 700	6.18	43 600	6.37
	45	7 870	4.81	11 000	5.47	14 800	6.04	19 300	6.52	24 500	6.92	30 700	7.26	37 800	7.56
	55	-	-	-	-	11 900	6.49	15 700	7.19	20 300	7.81	25 600	8.34	31 800	8.81
MTZ125	35	14 100	5.76	18 400	6.33	23 600	6.81	29 700	7.21	36 800	7.55	45 000	7.83	54 400	8.08
	45	11 500	6.13	15 500	6.97	20 100	7.69	25 600	8.31	31 900	8.84	39 300	9.30	47 700	9.69
	55	-	-	-	-	16 500	8.34	21 300	9.26	26 900	10.08	33 300	10.79	40 700	11.42
MTZ144	35	15 400	6.61	20 200	7.26	26 000	7.82	32 800	8.29	40 700	8.66	49 800	8.91	60 300	9.05
	45	12 700	7.07	17 000	7.92	22 200	8.70	28 200	9.42	35 300	10.04	43 500	10.58	52 900	11.01
	55	-	-	-	-	18 300	9.46	23 600	10.41	29 800	11.30	37 000	12.11	45 300	12.84
MTZ160	35	18 300	7.64	23 700	8.36	30 100	9.01	37 600	9.63	46 400	10.23	56 600	10.82	68 300	11.45
	45	15 400	8.21	20 200	9.20	25 800	10.09	32 500	10.91	40 300	11.68	49 400	12.42	59 900	13.16
	55	-	-	-	-	21 600	10.96	27 400	12.08	34 200	13.11	42 200	14.09	51 300	15.03
MTZ200	35	19 800	9.16	27 000	10.07	35 500	10.82	45 600	11.44	57 500	11.95	71 300	12.37	87 200	12.73
	45	15 700	9.61	22 000	10.94	29 600	12.08	38 600	13.03	49 100	13.84	61 400	14.53	75 500	15.11
	55	-	-	-	-	23 700	12.97	31 400	14.39	40 500	15.62	51 200	16.69	63 600	17.62
MTZ250	35	28 100	11.52	36 900	12.66	47 200	13.61	59 400	14.42	73 600	15.10	90 100	15.67	108 900	16.16
	45	23 000	12.26	30 900	13.93	40 200	15.37	51 100	16.61	63 800	17.68	78 500	18.59	95 400	19.38
	55	-	-	-	-	33 000	16.67	42 600	18.52	53 700	20.15	66 600	21.58	81 500	22.84
MTZ288	35	30 800	13.22	40 500	14.51	52 000	15.64	65 600							

MT - MTMR22
PERFORMANCE DATA

Model	To	-25			-20			-15			-10			-5			0			5			10			15		
		Tc	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe		
MT18	35	750	0.61	1120	0.72	1590	0.82	2180	0.92	2900	1.00	3780	1.07	4820	1.11	6050	1.13	7490	1.12									
	45	570	0.64	890	0.76	1300	0.88	1810	1.00	2450	1.10	3220	1.19	4150	1.26	5260	1.31	6550	1.33									
	55	-	-	-	-	1030	0.93	1450	1.07	1970	1.20	2630	1.32	3430	1.42	4390	1.50	5530	1.56									
MT22	35	1120	0.74	1710	0.90	2410	1.05	3230	1.19	4190	1.31	5300	1.40	6570	1.46	8010	1.49	9650	1.47									
	45	740	0.77	1280	0.95	1920	1.12	2670	1.29	3540	1.44	4560	1.56	5720	1.66	7040	1.73	8550	1.76									
	55	-	-	-	-	1430	1.15	2090	1.35	2860	1.53	3760	1.70	4800	1.85	5990	1.96	7340	2.04									
MT28	35	1930	1.21	2710	1.38	3610	1.55	4640	1.69	5810	1.80	7140	1.87	8640	1.90	10300	1.88	12200	1.79									
	45	1460	1.22	2190	1.43	3030	1.63	4000	1.81	5090	1.98	6330	2.11	7720	2.20	9280	2.25	11000	2.24									
	55	-	-	-	-	2420	1.67	3300	1.91	4300	2.14	5430	2.34	6700	2.51	8130	2.64	9730	2.72									
MT32	35	2080	1.41	2900	1.61	3860	1.80	4990	1.97	6310	2.11	7820	2.22	9560	2.29	11500	2.32	13800	2.29									
	45	1550	1.46	2310	1.68	3190	1.90	4230	2.11	5440	2.31	6830	2.47	8420	2.60	10200	2.69	12300	2.74									
	55	-	-	-	-	2610	1.99	3530	2.25	4610	2.50	5860	2.73	7300	2.93	8940	3.09	10800	3.22									
MT36	35	2600	1.58	3580	1.78	4710	1.97	5990	2.16	7430	2.32	9060	2.46	10900	2.58	12900	2.65	15100	2.69									
	45	1960	1.68	2890	1.90	3950	2.13	5150	2.35	6500	2.56	8020	2.76	9710	2.93	11600	3.07	13700	3.17									
	55	-	-	-	-	3160	2.28	4260	2.55	5500	2.81	6890	3.06	8450	3.30	10200	3.51	12100	3.70									
MT40	35	2810	1.64	3880	1.91	5090	2.17	6470	2.40	8030	2.59	9780	2.74	11700	2.82	13900	2.83	16300	2.76									
	45	2050	1.77	3080	2.08	4260	2.39	5590	2.67	7090	2.93	8780	3.15	10700	3.32	12800	3.42	15100	3.45									
	55	-	-	-	-	3410	2.53	4690	2.89	6130	3.22	7740	3.53	9550	3.79	11600	4.00	13800	4.14									
MT44	35	2850	1.66	3850	1.94	5080	2.20	6580	2.43	8390	2.62	10500	2.75	13100	2.82	16000	2.82	19500	2.72									
	45	2350	1.82	3240	2.13	4340	2.44	5680	2.72	7310	2.98	9250	3.19	11600	3.34	14200	3.43	17400	3.44									
	55	-	-	-	-	3630	2.58	4780	2.94	6190	3.27	7890	3.57	9920	3.82	12300	4.02	15100	4.14									
MT45	35	2670	1.57	3920	1.88	5310	2.15	6890	2.37	8700	2.53	10800	2.62	13100	2.62	15800	2.52	18900	2.32									
	45	1680	1.55	2880	1.92	4200	2.26	5690	2.57	7370	2.82	9280	3.00	11500	3.12	14000	3.14	16800	3.06									
	55	-	-	-	-	3130	2.29	4480	2.68	6010	3.04	7740	3.34	9720	3.57	12000	3.73	14600	3.79									
MT50	35	3280	1.79	4340	2.08	5670	2.37	7310	2.65	9290	2.91	11700	3.14	14500	3.34	17800	3.48	21600	3.57									
	45	2560	1.99	3530	2.31	4740	2.63	6230	2.95	8050	3.25	10200	3.54	12800	3.79	15900	4.00	19400	4.16									
	55	-	-	-	-	3810	2.83	5120	3.20	6740	3.55	8700	3.90	11000	4.21	13800	4.50	17100	4.74									
MT51	35	3080	1.80	4460	2.11	6010	2.38	7790	2.61	9820	2.78	12200	2.88	14900	2.92	17900	2.87	21500	2.73									
	45	2250	1.78	3520	2.16	4950	2.52	6570	2.83	8430	3.10	10600	3.30	13000	3.45	15900	3.51	19100	3.49									
	55	-	-	-	-	3880	2.60	5320	3.01	6970	3.38	8880	3.69	11100	3.95	13600	4.14	16600	4.25									
MT56	35	3430	2.08	4860	2.45	6540	2.79	8500	3.10	10800	3.34	13300	3.52	16300	3.61	19600	3.59	23300	3.46									
	45	2660	2.21	3990	2.64	5530	3.05	7320	3.44	9380	3.78	11700	4.07	14400	4.28	17500	4.40	20900	4.42									
	55	-	-	-	-	4530	3.24	6120	3.73	7950	4.19	10100	4.60	12500	4.95	15200	5.23	18300	5.41									
MT57	35	4010	2.32	5310	2.46	6890	2.62	8780	2.79	11000	2.95	13600	3.08	16600	3.17	20000	3.19	23800	3.15									
	45	3450	2.54	4570	2.72	5950	2.93	7620	3.16	9590	3.39	11900	3.61	14600	3.80	17600	3.95	21100	4.03									
	55	-	-	-	-	5030	3.17	6420	3.48	8110	3.81	10100	4.14	12400	4.45	15100	4.73	18200	4.96									
MT64	35	3910	2.34	5470	2.74	7330	3.13	9530	3.48	12100	3.79	15100	4.04	18600	4.21	22600	4.30	27100	4.28									
	45	3090	2.57	4500	3.02	6190	3.46	8190	3.89	10500	4.28	13300	4.62	16500	4.91	20100	5.11	24300	5.22									
	55	-	-	-	-	5240	3.69	6990	4.20	9050	4.69	11500	5.15	14300	5.55	17600	5.88	21300	6.14									
MT65	35	4720	2.55	6190	2.76	7980	2.99	10100	3.22	12700	3.43	15600	3.61	19100	3.74	23000	3.82	27600	3.82									
	45	3840	2.82	5140	3.08	6730	3.36	8630	3.66	10900	3.95	13600	4.22	16700	4.46	20300	4.65	24400	4.77									
	55	-	-	-	-	5650	3.63	7270	4.00	9220	4.39	11500	4.77	14300	5.12	17400	5.44	21100	5.71									
MT72	35	4310	2.77	6080	3.14	8150	3.51	10600	3.87	13400	4.22	16600	4.54	20200	4.82	24400	5.06	29100	5.25									
	45	3470	3.07	5070	3.47	6950	3.88	9130	4.29	11700	4.69	14600	5.08	17900	5.44	21600	5.76	25900	6.03									
	55	-	-	-	-	6010	4.33	7910	4.80	10100	5.27	12600	5.73	15600	6.17	18900	6.59	22700	6.96									
MT73	35	5410	2.91	7050	3.25	9070	3.58	11500	3.87	14400	4.14	17800	4.35	21600	4.51	26100	4.61	31100	4.63									
	45	4260	2.91	5720	3.33	7530	3.75	9710	4.15	12300	4.51	15400	4.84	18900	5.13	22900	5.35	27500	5.51									
	55	-	-	-	-	6250	4.00	8140	4.51	10400	4.99	13100	5.45	16200	5.86	19800	6.23	23900	6.54									
MT80	35	4920	3.10	6930	3.52	9290	3.94	12000	4.35	15200	4.75	18900	5.12	23100	5.45	27800	5.73	33100	5.95									
	45	3950	3.46	5780	3.91	7930	4.38	10400	4.84	13300	5.30	16600	5.74	20400	6.14	24700	6.51	29500	6.83									
	55	-	-	-	-	6810	4.90	8990	5.43	11500	5.96	14400	6.48	17800	6.97	21600	7.44	25900	7.86									
MT81	35	5990	3.12	7830	3.63	10100	4.10	12900	4.51	16200	4.84	20100	5.11	24500	5.28	29600	5.36	35400	5.32									
	45	4690	3.03	6340	3.66	8380	4.24	10900	4.77	13900	5.25	17400	5.65	21400	5.98	26100	6.21	31400	6.35									
	55	-	-	-	-	6910	4.46	9070	5.14	11700	5.76	14700	6.32	18300	6.80	22500	7.21	27300	7.52									
MT100	35	6280	3.97	8580	4.49	11400	4.98	14700	5.41	18600	5.75	23200	5.99	28600	6.10	34700	6.05	41800	5.83									
	45	4570	4.06	6650	4.66	9150	5.25	12100	5.79	15700	6.27	19900	6.66	24700	6.94	30400	7.09	36800	7.08									
	55	-	-	-	-	7400	5.49	10000	6.17	13100	6.82	16800	7.39	21100	7.87	26100	8.24	31900	8.47									
MT125	35	8380	5.08	11300	5.69	14900	6.28	19200	6.82	24200	7.31	30000	7.70	36800	8.00	44600	8.17	53500	8.19									
	45	6690	5.48	9360	6.17	12500	6.87	16400	7.55	20800	8.18	26100	8.75	32200	9.24	39300	9.63	47400	9.88									
	55	-	-	-	-	10400	7.32	13700	8.15	17500	8.97	22100	9.74	27500	10.45	33700	11.08	40900	11.60									
MT144	35	9660	5.73	13000	6.41	17000	7.06	21800	7.66	27500	8.20	34200	8.65	42000	8.97	51000	9.16	61300	9.19									
	45	7700	6.16	10700	6.94	14200	7.71	18500	8.47	23600	9.17	29600	9.81	36600	10.36	44700	10.80	54000	11.09									
	55	-	-	-	-	11700	8.20	15400	9.14	19700	10.05	24900	10.92	31000	11.72	38100	12.43	46300	13.02									
MT160	35	10800	6.46	14400	7.21	18800	7.93	24100	8.61	30300	9.20	37700	9.70	46200	10.07	56100	10.28	67400	10.32									
	45	8660	6.93	11900	7.79	15800	8.65	20600	9.49	26200	10.28	32800	11.00	40500	11.61	49500	12.10	59800	12.44									
	55	-	-	-	-	13100	9.19	17200	10.23	22000	11.26	27800	12.23	34500	13.13	42500	13.93	51600	14.60									
MTM200	35	12600	7.95	17200	8.99	22700	9.96	29300	10.81	37200	11.50	46400	11.98	57200	12.19	69500	12.11	83600	11.67									
	45	9140																										

The Danfoss product range for the refrigeration and air conditioning industry:

Compressors for refrigeration and air conditioning

These products include hermetic reciprocating compressors, scroll compressors and fan-cooled condensing units. Typical applications are air conditioning units, water chillers and commercial refrigeration systems.



Compressors and Condensing Units

This part of the range includes hermetic compressors and fan-cooled condensing units for household refrigerators and freezers, and for commercial units such as bottle coolers and drinks dispensers. We also offer compressors for heat pumps, and 12 and 24 V compressors for refrigerators and freezers in commercial vehicles and boats.



Appliance Controls

Danfoss offers a range of customer-specific electromechanical thermostats for refrigerators and freezers, electronic temperature controls with or without display, and service thermostats for use when servicing refrigeration and freezing appliances.



Refrigeration and air conditioning controls

Our full product range covers all control, safety, system protection and monitoring requirements in mechanically and electronically controlled refrigeration and air conditioning systems. The products are used in countless applications within the commercial and industrial refrigeration and air conditioning sectors.



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Danfoss Commercial Compressors

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La gama de productos Danfoss para la industria de la refrigeración y del aire acondicionado:

Compresores para refrigeración comercial y aire acondicionado

Estos productos incluyen compresores herméticos de pistones, compresores Scroll y unidades condensadoras enfriadas por ventilador. Las aplicaciones típicas son unidades de aire acondicionado, enfriadoras de agua y sistemas de refrigeración comercial.



Compresores y unidades condensadoras

Esta parte de la gama incluye compresores herméticos y unidades condensadoras enfriadas por ventilador para frigoríficos y congeladores de uso doméstico, y para aplicaciones comerciales tales como enfriadores de botellas y dispensadores de bebidas. También ofrecemos compresores para bombas de calor y compresores de 12 y 24 V para pequeños aparatos frigoríficos y congeladores en vehículos comerciales y embarcaciones.



Controles para mobiliario de refrigeración y congelación doméstico

Danfoss ofrece una amplia gama de termostatos electromecánicos adaptados a las necesidades del cliente para refrigeradores y congeladores, controles electrónicos de temperatura con o sin display, y termostatos de servicio para el mantenimiento de muebles frigoríficos y congeladores.



Controles de refrigeración y de aire acondicionado

Nuestra completa gama de productos cubre todas las exigencias de control, seguridad, protección y monitorización de instalaciones de refrigeración y sistemas de aire acondicionado, mecánicos y electrónicos. Estos productos se utilizan en innumerables aplicaciones dentro de los sectores de la refrigeración comercial e industrial y del aire acondicionado.



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