

Panasonic

PANASONIC ROTARY COMPRESSOR FEATURES

- ▶ Ideal for transport applications
- ▶ Robust and economical
- ▶ Low refrigerant charge
- ▶ Mineral Oil



R22 HIGH TEMP (1PH/240V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	WATTS +7.2°C SST R22	VOLTAGE 50Hz	MRA	CONNECTIONS DISCH.	SUCT.	CAPACITOR
AAA0020	2P14	3/4	13.2	2185	240v	3.3	1/4	3/8	25UF
AAA0040	2P17	1	16.4	2745	240v	4.1	3/8	3/8	25UF
AAA0060	2K22	1.5	22.5	3810	240v	5.8	3/8	1/2	30UF
AAA0080	2K28	1.75	28.2	4665	240v	7.2	3/8	1/2	40UF
AAA0100	2V32	2	31.4	5275	240v	8.6	3/8	1/2	40UF
AAA0120	2V36	2.25	35.6	6070	240v	9.1	3/8	1/2	50UF
AAA0140	2V42	2.5	41.6	7200	240v	11	3/8	5/8	50UF

Nominal data at 45deg condensing

HITACHI

HITACHI ROTARY COMPRESSOR FEATURES

- ▶ Ideal for transport applications
- ▶ Robust and economical
- ▶ Low refrigerant charge
- ▶ Polyester Oil



R407C HIGH TEMP (1PH/240V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	WATTS +7.2°C SST R407C	VOLTAGE 50Hz	MRA	WEIGHT (KG)	CONNECTIONS DISCH.	SUCT.	CAPACITOR
AAA0160	CG633G	2.78	16.7	2780	240v	4.4	11.6	3/8	1/2	35UF
AAA0180	CSL211CV	3.55	21.1	3550	240v	5.7	14.5	3/8	1/2	35UF
AAA0200	CHY33M-U	5.25	30.8	5250	240v	7.9	19.7	3/8	1/2	50UF
AAA0220	CHW33T	6.15	35.6	6150	240v	9.8	19.6	3/8	1/2	60UF
AAA0240	CHV33Y	7.15	41.7	7150	240v	11.5	21	3/8	1/2	60UF
AAA0260	CTHU33W	8.2	48.8	8200	240v	13.1	23.5	3/8	1/2	60UF

Nominal data at 45deg condensing

EMBRACO HERMETIC COMPRESSORS



EMBRACO COMPRESSOR FEATURES

- ▶ Low noise
- ▶ High torque starting on refrigeration models
- ▶ High efficiency
- ▶ Latest technology
- ▶ Reliable performance

R404A MED/HIGH TEMP

STOCK CODE	MODEL	NOM. HP	DISP. CC	WATTS -5°C SST R404A	VOLTAGE 50Hz	MRA	LRA	MOTOR TYPE	HEIGHT (MM)	WEIGHT (KG)	CONNECTIONS DISCH.	SUCT.
AAB0020	NEK6165GK	1/4	6.0	625	240v	2.4	9.6	CSIR	187	10.3	1/4	3/8
AAB0040	NEK6181GK	1/4	7.4	755	240v	3.5	12.0	CSIR	187	10.9	1/4	3/8
AAB0060	NEK6210GK	1/3	8.9	915	240v	3.8	13.8	CSIR	187	10.6	1/4	3/8
AAB0080	NEK6213GK	3/8	12.0	1270	240v	3.9	19.3	CSIR	206	11.6	1/4	3/8
AAB0100	NT6217GK	1/2	14.5	1500	240v	5.1	25.0	CSIR	220	14.6	1/4	3/8
AAB0120	T6222GK	3/4	17.4	1800	240v	5.6	29.5	CSIR	220	14.6	1/4	3/8
AAB0140	NJ9226GK	3/4	21.7	2410	240v	6.4	27.5	CSIR	265	22.2	3/8	5/8 RL
AAB0160	NJ9232GK	1-1/4	26.1	2960	240v	7.8	43.0	CSIR	277	22.3	3/8	5/8 RL
AAB0180	NJ9238GK	1-1/2	32.7	3960	240v	10.1	43.0	CSIR	277	22.2	3/8	5/8 RL

R134a MED/HIGH TEMP

STOCK CODE	MODEL	NOM. HP	DISP. CC	WATTS -5°C SST R134a	VOLTAGE 50Hz	MRA	LRA	MOTOR TYPE	HEIGHT (MM)	WEIGHT (KG)	CONNECTIONS DISCH.	SUCT.
AAB0200	EMT6144Z	1/5	6.0	374	240v	1.7	7.5	CSIR	187	9.7	1/4	1/4
AAB0220	NE6160Z	1/4	8.0	505	240v	2.1	11.5	CSIR	187	9.9	1/4	3/4
AAB0240	NEK6170Z	1/4	8.8	565	240v	2.1	11.0	CSIR	187	10.3	1/4	3/8
AAB0260	NEK6187Z	1/3	12.0	735	240v	3.2	13.8	CSIR	187	10.8	1/4	3/8
AAB0280	NEK6210Z	1/3	13.6	745	240v	3.3	17.4	CSIR	200	11.7	1/4	3/8
AAB0300	NEK6214Z	1/2	17.4	980	240v	4.5	20.0	CSIR	201	13.7	1/4	3/8
AAB0320	NT6215Z	1/2	20.4	1165	240v	4.7	21.0	CSIR	221	14.2	1/4	1/2
AAB0340	NJ6220Z	3/4	26.2	1635	240v	5.9	35.0	CSIR	265	19.7	1/4	1/2 RL
AAB0360	NJ6226Z	1	34.4	2225	240v	6.3	31.0	CSIR	265	22	1/4	5/8 RL

R404A LOW TEMP

STOCK CODE	MODEL	NOM. HP	DISP. CC	WATTS -23.3°C SST R404A	VOLTAGE 50Hz	MRA	LRA	MOTOR TYPE	HEIGHT (MM)	WEIGHT (KG)	CONNECTIONS DISCH.	SUCT.
AAB0380	NEK2125GK	1/3	8.8	351	240v	2.7	13.8	CSIR	187	10.6	1/4	3/8
AAB0400	NE2134GK	1/2	12.0	560	240v	3.4	16.4	CSIR	206	10.7	1/4	3/8
AAB0420	T2155GK	5/8	14.4	650	240v	3.2	20.0	CSIR	221	14.09	1/4	3/8
AAB0460	NJ2192GK	1-1/4	26.3	1280	240v	5.8	26.0	CSIR	265	22.8	3/8	1/2 RL
AAB0480	NJ2212GK	1-1/2	34.4	1640	240v	8.1	36.0	CSIR	277	22	3/8	1/2 RL

Nominal data at 45deg condensing
All models complete with electrics
Spare parts available

COPELAND SCROLL COMPRESSORS



ZR SCROLL COMPRESSOR FEATURES

- ▶ Synthetic oil
- ▶ Designed for air conditioning applications
- ▶ Low noise and vibration levels



R22 / R407C - HIGH TEMP (1PH / 240V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	kW +7.2°C SST R22	kW +7.2°C SST R407C	VOLTAGE 50Hz	MRA	WEIGHT (KG)	CONNECTIONS DISCH.	CONNECTIONS SUCT.
AAC0380	ZR28K3E-PFJ-522	2.5	6.8	7	6.58	240v	14.8	25	1/2	3/4
AAC0400	ZR36K3E-PFJ-522	3	8.6	8.3	7.78	240v	17.3	26	1/2	3/4
AAC0420	ZR42K3E-PFJ-522	3.5	9.9	9.8	9.19	240v	19.9	27	1/2	3/4
AAC0440	ZR47K3E-PFJ-522	4	11.2	11.9	11.4	240v	23.5	30	1/2	7/8

R22 / R407C - HIGH TEMP (3PH / 415V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	kW +7.2°C SST R22	kW +7.2°C SST R407C	VOLTAGE 50Hz	MRA	WEIGHT (KG)	CONNECTIONS DISCH.	CONNECTIONS SUCT.
AAC0460	ZR36K3E-TFD-522	3	8.6	8.3	7.78	415v	5.7	26	1/2	3/4
AAC0480	ZR42K3E-TFD-522	3.5	9.9	9.8	9.19	415v	7.1	27	1/2	3/4
AAC0500	ZR47KCE-TFD-522	4	11.2	11.9	11.4	415v	7.2	30	1/2	7/8
AAC0520	ZR57KCE-TFD-522	4.75	13.4	13.7	13.9	415v	8.2	30	1/2	7/8
AAC0540	ZR61KCE-TFD-522	5	14.4	14.5	14.3	415v	11	42	1/2	7/8
AAC0560	ZR68KCE-TFD-522	5.5	16.2	16.4	15.8	415v	12	39	1/2	7/8
AAC0580	ZR72KCE-TFD-522	6	17.1	17.6	16.6	415v	13	39	1/2	7/8
AAC0600	ZR81KCE-TFD-522	6	18.8	19.9	18.7	415v	15	39	3/4	7/8
AAC0620	ZR94KCE-TFD-522	7.5	22.1	23.4	23	415v	15.9	57	7/8	1 1/8
AAC0640	ZR108KCE-TFD-522	9	24.9	26.7	25.8	415v	16.8	60	7/8	1 3/8
AAC0660	ZR125KCE-TFD-522	10	29.1	30.7	30.2	415v	19.6	60	7/8	1 3/8
AAC0680	ZR144KCE-TFD-522	12	33.2	34.8	34.5	415v	22.3	60	7/8	1 3/8
AAC0700	*ZR160KCE-TFD-522	13	36.4	37.4	37.5	415v	28	65	7/8	1 3/8
AAC0720	*ZR190KCE-TFD-522	15	43.3	45	43.9	415v	34	66	7/8	1 3/8

ARI: Evaporating 7.2°C, Condensing 54.4°C, Superheat 11K, Subcooling 8.3K
 All models standard with stub connections. Rotalock connections may be available, check in store.
 *ZR16 & ZR19 are now superseded by ZR160 & ZR190 - Please note that dimensions and footprint may differ.
 Suction superheat must be kept to a minimum to prevent scroll compressor's protection device from operating.

COPELAND SCROLL COMPRESSORS



ZB SCROLL COMPRESSOR FEATURES

- Polyester oil (POE)
- Oil level sight glass
- Low noise and vibration levels
- High efficiency
- Wide application range
- High reliability



R404A / R134a - MEDIUM TEMP (1PH / 240V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	kW -5°C SST		MRA	WEIGHT (KG)	CONNECTIONS	
				R404A	R134a			DISCH.	SUCT.
AAC0800	ZB15KQE-PFJ-559	2	5.9	3.9	2.6	12.8	26	1	1 1/4
AAC0820	ZB19KQE-PFJ-559	2.5	6.8	4.9	3	12.8	29	1	1 1/4
AAC0840	ZB21KQE-PFJ-559	3	8.6	5.9	3.7	16.4	30	1	1 1/4
AAC0860	ZB26KQE-PFJ-559	3.5	9.9	6.9	4.3	18	31	1	1 1/4
AAC0880	ZB29KQE-PFJ-559	4	11.7	8.15	5.1	23.5	40	1	1 1/4

R404A / R134a - MEDIUM TEMP (3PH / 415V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	kW -5°C SST		MRA	WEIGHT (KG)	CONNECTIONS	
				R404A	R134a			DISCH.	SUCT.
AAC0900	ZB15KQE-TFD-559	2	5.9	3.9	2.6	4.9	26	1	1 1/4
AAC0920	ZB19KQE-TFD-559	2.5	6.8	4.9	3	6.5	29	1	1 1/4
AAC0940	ZB21KQE-TFD-559	3	8.6	5.9	3.7	7.2	30	1	1 1/4
AAC0960	ZB26KQE-TFD-559	3.5	9.9	6.9	4.3	8.85	31	1	1 1/4
AAC0980	ZB29KQE-TFD-559	4	11.7	8.15	5.1	10.3	40	1	1 1/4
AAC1000	ZB38KQE-TFD-559	5	14.5	10.1	6.3	12.8	41	1	1 1/4
AAC1020	ZB45KQE-TFD-559	6	17.1	11.9	7.5	13.1	44	1	1 1/4
AAC1040	ZB48KQE-TFD-559	7.8	18.8	13.4	8.6	14.6	45	1 1/4	1 3/4
AAC1060	ZB58KQE-TFD-523	8	22.1	15.9	9.6	15.4	60	1 1/4	1 3/4
AAC1080	ZB66KQE-TFD-523	9	25.7	17.8	11.1	17.5	60	1 1/4	1 3/4
AAC1100	ZB76KQE-TFD-523	10	28.8	21.2	12.6	20.4	65	1 1/4	1 3/4
AAC1120	ZB95KQE-TFD-551	13	36.4	25.7	15.9	28.2	65	1 1/4	1 3/4
AAC1140	ZB114KQE-TFD-551	15	43.3	30.6	19	33.3	66	1 1/4	1 3/4

ARI: Evaporating -5°C, Condensing 50°C, Superheat 11K, Subcooling 8.3K
 All models standard with rotalock connections (valves sold separately).

Suction superheat must be kept to a minimum to prevent scroll compressor's protection device from operating.

COMPRESSORS

COPELAND SCROLL COMPRESSORS

CRANK CASE HEATER

STOCK CODE	MODEL	TYPE	LENGTH (MM)	SUITS	VOLTS	WATTS
				ZB15-ZB48		
ADB0020	018-0095-04	WRAP AROUND	1227	K3 MODELS: ZR18-61 KC MODELS: ZR26-81	240	70
ADB0040	018-0091-01	WRAP AROUND	1252	ZB58 - ZB114	240	90



RUBBER MOUNTS

STOCK CODE	MODEL	DESCRIPTION	SUITS
ADB0060	527-0116-00	Copeland Rubber Mounts	ZB15-ZB58



MANEUROP SCROLL COMPRESSORS



MANEUROP SCROLL COMPRESSOR FEATURES

- ▶ SM Series - Mineral Oil
- ▶ SZ Series - Polyester Oil
- ▶ Designed for airconditioning applications
- ▶ High efficiency
- ▶ Proven reliability
- ▶ Oil equalisation and sight glass



R22 - HIGH TEMP (3PH / 415V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	kW 7.2°C SST		MRA	LRA	WEIGHT (KG)	STUB CONNECTIONS		ROTOLOCK CONNECTIONS	
				R22					DISCH.	SUCT.	DISCH.	SUCT.
AAD0020	SM84-4	7	114.5	20.37		17	86	64	1 1/8	3/4	-	-
AAD0040	SM90-4	7.5	120.5	21.78		18.5	98	65	1 1/8	3/4	-	-
AAD0060	SM100-4	8	127.2	23.14		19	98	65	1 1/8	3/4	-	-
AAD0080	SM110-4	9	144.2	25.94		22	130	73	1 3/8	7/8	-	-
AAD0100	SM120-4	10	166.6	30.11		29	130	73	1 3/8	7/8	-	-
AAD0140	SM160-4	13	216.6	39.10		29	150	90	1 3/8	7/8	-	-
AAD0180	SM175-4	14	233.0	42.00		35	175	100	-	-	2 1/4	1 3/4
AAD0200	SM185-4	16.6	249.9	45.50		35	175	100	-	-	2 1/4	1 3/4

R134a / R407C - HIGH TEMP (3PH / 415V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	kW 7.2°C SST		MRA	LRA	WEIGHT (KG)	STUB CONNECTIONS		ROTOLOCK CONNECTIONS	
				R134a					DISCH.	SUCT.	DISCH.	SUCT.
AAD0220	SZ148-4	12.3		25.29		32	145	88	7/8	1 3/8	-	-
AAD0240	SZ160-4	14	233.0	26.92		35	175	100	1 5/8	1 1/8	2 1/4	1 3/4
AAD0260	SZ185-4	16	249.9	30.442		35	175	100	1 5/8	1 1/8	2 1/4	1 3/4

ARI: Evaporating 7.2°C, Condensing 54.4°C, Superheat 11K, Subcooling 8.3K

CRANK CASE HEATER

STOCK CODE	MODEL	TYPE	DIAMETER (MM)		SUITS	VOLTS	WATTS
			MIN	MAX			
ADC0020	7773107	WRAP AROUND	220	320	SM/SZ84 - 161	230V	65
ADC0040	7773108	WRAP AROUND	245	370	SM/SZ175 - 185	230V	75



COMPRESSORS

MANEUROP SCROLL COMPRESSORS

T BLOCK CONNECTORS

STOCK CODE	MODEL	DESCRIPTION	SUITS
ADC0280	8173021	T block connector 60 x 75 mm	SM160 - 185



SCROLL ROTALOCK ADAPTORS

STOCK CODE	MODEL	SUITS
ADC0340	7765005	SM084 - SM100
ADC0360	7765006	SM110 - SM161
ADC0380	7765028	SM160/175/185



COMPRESSOR MOUNTS

STOCK CODE	MODEL	SUITS
ADC0180	8156138	S084-185



TERMINAL BOX COVERS

STOCK CODE	MODEL	SUITS
ADC0120	8156139	SM/SZ MODELS



MANEUROP HERMETIC COMPRESSORS



MANEUROP HERMETIC COMPRESSOR FEATURES

- ▶ Anti-vibration mounts supplied
- ▶ MTZ/NTZ charged with Maneurop Mineral POE Oil 160PZ
- ▶ MT series charged with Maneurop Mineral Oil 160P
- ▶ 'V' version with sight glass and oil equalisation



R404A/R134a MEDIUM / HIGH TEMP (1PH / 240V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	kW -5°C SST		MRA	LRA	WEIGHT (KG)	DISCHARGE		SUCTION	
				R404A	R134a				RL.	SLEEVE OPT.	RL.	SLEEVE OPT.
AAE0020	MTZ18-5	1.5	30.2	2.54	1.42	3.6	16	22	1	3/8	1	1/2
AAE0040	MTZ22-5	1.8	38.1	3.45	1.86	4.3	16	23	1	3/8	1	1/2
AAE0060	MTZ28-5	2.3	48.1	4.50	2.33	5.3	23	24	1	3/8	1	1/2
AAE0080	MTZ32-5	2.7	53.9	5.17	2.74	5.7	25	25	1	1/2	1 1/4	5/8

*Single phase electrics not included (see single phase electrics)

R404A/R134a MEDIUM / HIGH TEMP (3PH / 415V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	kW -5°C SST		MRA	LRA	WEIGHT (KG)	DISCHARGE		SUCTION	
				R404A	R134a				RL.	SLEEVE OPT.	RL.	SLEEVE OPT.
AAE0100	MTZ18-4	1.5	30.2	2.54	1.43	3.6	16	22	1	3/8	1	1/2
AAE0120	MTZ22-4	1.8	38.1	3.45	1.87	4.3	16	23	1	3/8	1	1/2
AAE0140	MTZ28-4	2.3	48.1	4.50	2.34	5.3	23	24	1	3/8	1	1/2
AAE0160	MTZ32-4	2.7	53.9	5.17	2.74	5.7	25	25	1	1/2	1 1/4	5/8
AAE0180	MTZ36-4	3	60.5	6.04	3.61	6.4	30	25	1	1/2	1 1/4	5/8
AAE0200	MTZ40-4	3.3	67.9	6.85	4.08	7.1	38	26	1	1/2	1 1/4	5/8
AAE0220	MTZ45-4	3.8	76.2	7.04	3.87	6.8	48.5	36	1 1/4	3/4	1 3/4	7/8
AAE0240	MTZ50-4	4.2	85.7	8.15	4.54	8.2	48.5	37	1 1/4	3/4	1 3/4	7/8
AAE0260	MTZ56-4	4.8	96.1	8.83	4.67	8.6	64	37	1 1/4	3/4	1 3/4	7/8
AAE0280	MTZ64-4	5.4	107.7	10.45	5.56	10	64	37	1 1/4	3/4	1 3/4	7/8
AAE0300	MTZ72-4	6.1	121.0	11.63	6.42	12.1	80	39	1 1/4	3/4	1 3/4	7/8
AAE0320	MTZ80-4	6.8	135.8	13.54	7.64	13.6	80	42	1 1/4	3/4	1 3/4	1 1/8
AAE0340	MTZ100-4	8.3	171.3	15.97	8.82	15.7	78.5	66	1 1/4	3/4	1 3/4	1 1/8
AAE0360	MTZ125-4	10.4	215.5	20.38	10.96	19.3	105	68	1 1/4	3/4	1 3/4	1 1/8
AAE0380	MTZ144-4	12	241.9	23.81	14.07	21.4	115	69	1 1/4	3/4	1 3/4	1 1/8
AAE0400	MTZ160-4	13.3	271.6	26.20	15.51	25.7	130	69	1 1/4	3/4	1 3/4	1 1/8

*ARI: Evaporating -5°C, Condensing 50°C, Superheat 11K, Subcooling 8.3K

Service valves are not supplied with compressors and must be ordered separately if required (see Valve Section).

COMPRESSORS

MANEUROP HERMETIC COMPRESSORS

R22 MEDIUM / HIGH TEMP (1PH / 240V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	kW -5°C SST			WEIGHT (KG)	DISCHARGE		SUCTION	
				R22	MRA	LRA		RL.	SLEEVE OPT.	RL.	SLEEVE OPT.
AAE0420	MT18-5	1.5	30.2	2.21	3.6	16	22	1	3/8	1	1/2
AAE0440	MT22-5	1.8	38.1	3.2	4.3	16	23	1	3/8	1	1/2
AAE0460	MT28-5	2.3	48.1	4.7	5.3	23	24	1	3/8	1	1/2
AAE0480	MT32-5	2.7	53.9	5	5.7	25	25	1	1/2	1 1/4	5/8

*Single phase electrics not included (see Single Phase Electrics).

R22 MEDIUM / HIGH TEMP (3PH / 415V)

STOCK CODE	MODEL	NOM. HP	DISP. CC	kW -5°C SST			WEIGHT (KG)	DISCHARGE		SUCTION	
				R22	MRA	LRA		RL.	SLEEVE OPT.	RL.	SLEEVE OPT.
AAE0500	MT18-4	1.5	30.2	2.21	3.6	16	22	1	3/8	1	1/2
AAE0520	MT22-4	1.8	38.1	3.2	4.3	16	23	1	3/8	1	1/2
AAE0540	MT28-4	2.3	48.1	4.7	5.3	23	24	1	3/8	1	1/2
AAE0560	MT32-4	2.7	53.9	5	5.7	25	25	1	1/2	1 1/4	5/8
AAE0580	MT36-4	3	60.5	6.01	6.4	30	25	1	1/2	1 1/4	5/8
AAE0600	MT40-4	3.3	67.9	6.61	7.1	38	26	1	1/2	1 1/4	5/8
AAE0620	MT45-4	3.8	76.2	6.66	6.8/	48.5	36	1 1/4	3/4	1 3/4	7/8
AAE0640	MT51-4	4.2	85.7	7.7	8.2	48.5	37	1 1/4	3/4	1 3/4	7/8
AAE0660	MT57-4	4.8	96.1	8.85	8.6	64	37	1 1/4	3/4	1 3/4	7/8
AAE0680	MT65-4	5.4	107.7	10.04	10	64	37	1 1/4	3/4	1 3/4	7/8
AAE0700	MT73-4	6.1	121.0	11.3	12.1	80	39	1 1/4	3/4	1 3/4	7/8
AAE0720	MT80-4	6.8	135.8	12.71	13.6	80	42	1 1/4	3/4	1 3/4	1 1/8
AAE0740	MT100-4	8.3	171.3	14.33	15.7	78.5	66	1 1/4	3/4	1 3/4	1 1/8
AAE0760	MT125-4	10.4	215.5	19.18	19.3	105	68	1 1/4	3/4	1 3/4	1 1/8
AAE0780	MT144-4	12	241.9	21.64	21.4	115	69	1 1/4	3/4	1 3/4	1 1/8
AAE0800	MT160-4	13.3	271.6	21.09	25.7	130	69	1 1/4	3/4	1 3/4	1 1/8

*ARI: Evaporating -5° C, Condensing 50° C, Superheat 11K, Subcooling 8.3K
Service valves are not supplied with compressors and must be ordered separately if required (see Valve Section).

R404A - LOW TEMP (1PH / 240V)

STOCK CODE	MODEL	OLD MODEL	NOM. HP	DISP. CC	kW -25°C SST			WEIGHT (KG)	DISCHARGE		SUCTION	
					R404A	MRA	LRA		RL.	SLEEVE OPT.	RL.	SLEEVE OPT.
AAE0820	NTZ48-5	LTZ22-5	1.8	48.06	1138	11	41	21	1	1/2	1 1/4	5/8
AAE0840	NTZ68-5	LTZ28-5	2.3	67.89	1849	17	55	23	1	1/2	1 1/4	5/8

*Single phase electrics not included (see Single Phase Electrics).

MANEUROP HERMETIC COMPRESSORS

R404A - LOW TEMP (3PH / 415V)

STOCK CODE	MODEL	OLD MODEL	NOM. HP	DISP. CC	kW -25°C SST		MRA	LRA	WEIGHT (KG)	DISCHARGE		SUCTION	
					R404A					RL.	SLEEVE OPT.	RL.	SLEEVE OPT.
AAE0860	NTZ48-4	LTZ22-4	1.8	48.06	1138	4.8	16	21	1	1/2	1 1/4	5/8	
AAE0880	NTZ68-4	LTZ28-4	2.3	67.89	1849	8.4	23	23	1	1/2	1 1/4	5/8	
AAE0900	NTZ96-4	LTZ40-4	3.3	96.13	3069	10.1	42	35	1 1/4	3/4	1 3/4	7/8	
AAE0920	NTZ108-4	LTZ44-4	3.7	107.71	3298	12.1	42	35	1 1/4	3/4	1 3/4	7/8	
AAE0940	NTZ136-4	LTZ50-4	4.2	135.78	4533	14.3	40	35	1 1/4	3/4	1 3/4	1 1/8	
AAE0960	NTZ215-4	LTZ88-4	7.3	215.44	6530	22.3	90	62	1 1/4	3/4	1 3/4	1 1/8	
AAE0980	NTZ271-4	LTZ100-4	8.3	271.55	7831	27	105	64	1 1/4	3/4	1 3/4	1 1/8	

*ARI: Evaporating -5°C, Condensing 50°C, Superheat 11K, Subcooling 8.3K
 Service valves are not supplied with compressors and must be ordered separately if required (see Valve Section).

SINGLE PHASE ELECTRICS

STOCK CODE	MODEL	DESCRIPTION	KIT	SUITS
ADC0300	7701022	DANFOSS 100UF 240V START KIT	1 X RELAY 1 X START CAPACITOR	MT/MTZ 18 - 28 ALL NTZ MODELS
ADC0320	7701023	DANFOSS 135UF 240V START KIT	2 X RUN CAPACITORS	MT/MTZ 32 ONLY

*Box not included.



CRANK CASE HEATERS

STOCK CODE	MODEL	TYPE	SUITS	VOLTS	WATTS	DIAMETER (MM)	
						MIN	MAX
ADC0020	120Z0459	INSERTION	MT/MTZ/NTZ	240V-415V	35	-	-
ADC0040	7773107	WRAP AROUND	MT/MTZ44 - 81 NTZ096, 108, 136	230V	65	220	320
ADC0060	7773108	WRAP AROUND	MT/MTZ100 - 160 NTZ215 - 271	230V	75	245	370



TERMINAL BOX COVERS

STOCK CODE	MODEL	SUITS
ADC0080	8156134	MT/MTZ18 - 81
ADC0100	8156135	MT/MTZ100 - 160



COMPRESSOR MOUNTS

STOCK CODE	MODEL	SUITS
ADC0140	8156001	MT/MTZ18 - 81
ADC0160	8156007	MT/MTZ100 - 160



ACOUSTIC HOODS

STOCK CODE	MODEL	SUITS
ADC0200	7755002	MT/MTZ18 - 81
ADC0220	7755003	MT/MTZ100 - 160



T BLOCK CONNECTOR

STOCK CODE	MODEL	DESCRIPTION	SUITS
ADC0260	8173230	T block connector 52 x 57 mm	MT100 - 160



FRASCOLD SEMI-HERMETIC COMPRESSORS

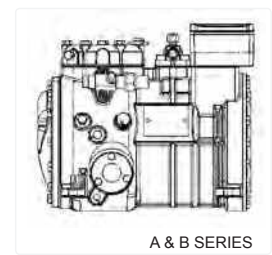


FRASCOLD SEMI-HERMETIC COMPRESSOR FEATURES

- V, Z and W Series are equipped with oil pump and OPS1 oil pressure protection switch
- Compressors coated with anti-rust protective primer and blue enamel coat
- More than 80 Asercom Certified Compressors
- Strict quality control and testing
- World leading supplier and manufacturer

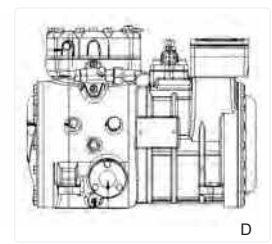
A & B SERIES - 2 CYLINDER (1PH / 240V)

STOCK CODE	MODEL	NOM. HP	DISP M ³ /HR	R404A		R134a	R22
				-25	-5	-5	-5
AAF0020	A16Y	1	5.5	1330	3250	1960	2980
AAF0040	A157Y	1.5	6.9	1680	4160	2570	3940
AAF0060	B210Y	2	9.9	2340	5710	3800	5870



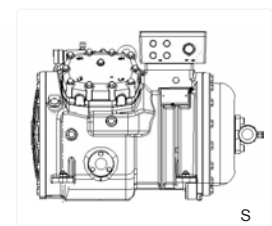
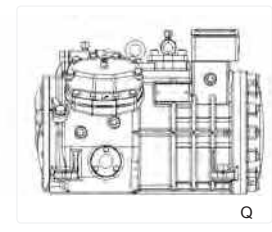
A, B & D SERIES - 2 CYLINDER (3PH / 415V)

STOCK CODE	MODEL	NOM. HP	DISP M ³ /HR	R404A		R134a	R22
				-25	-5	-5	-5
AAF0080	A16Y	1	5.5	1330	3250	1960	2980
AAF0100	A157Y	1.5	6.9	1680	4160	2570	3940
AAF0120	B210Y	2	9.9	2340	5710	3800	5870
AAF0140	D211Y	2	11.3	2710	6750	4100	6640
AAF0160	D213Y	2	13.2	3330	-	4890	-
AAF0180	D313Y	3	13.2	-	7940	4740	7920
AAF0200	D315Y	3	15.4	3990	9200	5580	8890
AAF0220	D318Y	3	17.9	4690	-	6770	-
AAF0240	D418Y	4	17.9	-	10880	6990	10850



Q & S SERIES - 4 CYLINDER (3PH / 415V)

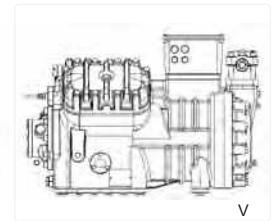
STOCK CODE	MODEL	NOM. HP	DISP M ³ /HR	R404A		R134a	R22
				-25	-5	-5	-5
AAF0260	Q420Y	4	19.8	4760	-	7230	-
AAF0280	Q521Y	5	21.2	-	12440	7330	12350
AAF0300	Q525Y	5	24.7	5970	14700	9610	14210
AAF0320	Q528Y	5	28.0	6970	-	10040	-
AAF0340	Q728Y	7.5	28.0	-	17140	9950	17080
AAF0360	Q533Y	5	32.7	8380	-	11750	-
AAF0380	Q733Y	7.5	32.7	-	19780	11900	19560
AAF0400	Q736Y	7.5	35.9	9970	-	14160	-
AAF0420	S842Y	8	41.3	10820	-	16660	-
AAF0440	S1242Y	12	41.3	-	24340	16560	23700
AAF0460	S1052Y	10	51.5	13580	-	19190	-
AAF0480	S1552Y	15	51.5	-	30920	18970	29360
AAF0500	S1556Y	15	56.0	15080	-	21720	-
AAF0520	S2056Y	20	56.0	-	35530	21760	33940



FRASCOLD SEMI-HERMETIC COMPRESSORS

V SERIES - 4 CYLINDER (3PH / 415V)

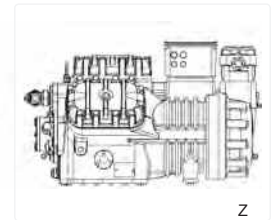
STOCK CODE	MODEL	NOM. HP	DISP M ³ /HR	R404A		R134a	R22
				-25	-5	-5	-5
AAF0540	V1559Y	15	58.5	15740	-	22890	-
AAF0560	V2059Y	20	58.5	-	35790	22980	35560
AAF0580	V1571Y	15	70.8	18540	-	27130	-
AAF0600	V2571Y	25	70.8	-	42950	26120	42120
AAF0620	V2084Y	20	83.8	20920	-	29850	-
AAF0640	V3084Y	30	83.8	-	51690	29980	51160
AAF0660	V2593Y	25	93.1	22020	-	34920	-
AAF0680	V3293Y	32	93.1	-	55920	33040	55870



V

Z SERIES - 6 CYLINDER (3PH / 415V)

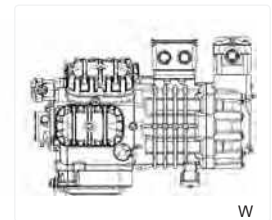
STOCK CODE	MODEL	NOM. HP	DISP M ³ /HR	R404A		R134a	R22
				-25	-5	-5	-5
AAF0700	Z25106Y	25	106.2	26600	-	37170	-
AAF0720	Z35106Y	35	106.2	-	65460	40150	64810
AAF0740	Z30126Y	30	125.7	30860	-	45710	-
AAF0760	Z40126Y	40	125.7	-	76480	47390	74590
AAF0780	Z40154Y	40	154.4	41110	-	55260	-
AAF0800	Z50154Y	50	154.4	-	93600	56560	91020



Z

W SERIES - 8 CYLINDER

STOCK CODE	MODEL	NOM. HP	DISP M ³ /HR	R404A		R134a	R22
				-25	-5	-5	-5
AAF0820	W60186Y	60	186.1	46480	115950	68620	111950
AAF0840	W70206Y	70	205.8	51150	126910	76290	126740



W

**Ratings at 45°C Condensing, European Standard EN12900 / 20°C Suction Gas Temp / 0°C Subcooling. Please refer to Frascold selection software or contact Koldpak for ratings at other conditions. Compressors do not come with crank case heaters. Please order separately if required.*

COMPRESSORS

FRASCOLD SEMI-HERMETIC COMPRESSORS

TECHNICAL DATA

STOCK CODE	MODEL	NOM. HP	MRA	LRA	NO. OF CYLINDERS	DISP M ³ /HR	OIL (L)	FOOTPRINT		CONNECTIONS		WEIGHT (KG)
								LENGTH (MM)	WIDTH (MM)	DISCH.	SUCT.	
AAF0020	A016Y - 1PH	1	6.2	23.6	2	5.5	1.2	234	194	1/2	5/8	36
AAF0040	A157Y - 1PH	1.5	7.9	35.8	2	6.9	1.2	234	194	1/2	5/8	36
AAF0060	B210Y - 1PH	2	11.7	62.5	2	9.8	1.2	234	194	5/8	3/4	40
AAF0080	A016Y	1	3.6	13.6	2	9.8	1.2	234	194	5/8	3/4	40
AAF0100	A157Y	1.5	4.5	20.6	2	6.9	1.2	234	195	1/2	5/8	36
AAF0120	B210Y	2	6.7	35.9	2	9.8	1.2	234	194	5/8	3/4	40
AAF0140	D211Y	2	7.1	35.9	2	11.3	1.2	234	194	5/8	7/8	45
AAF0160	D213Y	2	7.1	35.9	2	13.8	1.2	234	194	5/8	7/8	45
AAF0180	D313Y	3	8.8	43.7	2	13.8	1.2	234	194	5/8	1 1/8	49
AAF0200	D315Y	3	10.0	43.7	2	15.3	1.2	234	194	5/8	1 1/8	49
AAF0220	D318Y	3	10.0	43.7	2	17.9	1.2	234	194	5/8	1 1/8	49
AAF0240	D418Y	4	12.5	52	2	17.9	1.2	234	194	5/8	1 1/8	51
AAF0260	Q420Y	4	10.1	53.2	4	19.8	1.8	312	246	3/4	1 1/8	74
AAF0280	Q521Y	5	11.6	63.1	4	21.2	1.8	312	246	3/4	1 1/8	79
AAF0300	Q525Y	5	12.7	63.1	4	24.7	1.8	312	246	7/8	1 1/8	79
AAF0320	Q528Y	5	14.0	63.1	4	27.9	1.8	312	246	7/8	1 3/8	79
AAF0340	Q728Y	7.5	17.6	87.3	4	27.9	1.8	312	246	1 1/8	1 3/8	79
AAF0360	Q533Y	5	14.4	63.1	4	32.7	1.8	312	246	1 1/8	1 3/8	79
AAF0380	Q733Y	7.5	20.0	87.3	4	32.7	1.8	312	246	1 1/8	1 3/8	79
AAF0400	Q736Y	7.5	19.4	87.3	4	35.9	1.8	312	246	1 1/8	1 3/8	79
AAF0420	S842Y	8	20.3	90.3	4	41.3	1.8	292	266	1 1/8	1 3/8	117
AAF0440	S1242Y	12	22.4	102.1	4	41.3	3.3	292	266	1 1/8	1 3/8	120
AAF0460	S1052Y	10	24.2	87.6	4	50.4	3.3	292	266	1 1/8	1 3/8	120
AAF0480	S1552Y	15	31.5	117.1	4	50.4	3.3	292	266	1 1/8	1 5/8	126
AAF0500	S1556Y	15	30.7	117.1	4	56	3.3	292	266	1 1/8	1 5/8	130
AAF0520	S2056Y	20	38.4	136.2	4	56	3.3	292	266	1 1/8	1 5/8	132
AAF0540	V1559Y	15	31.1	117.1	4	58.5	4.5	381	305	1 1/8	1 5/8	170
AAF0560	V2059Y	20	35.3	136.2	4	58.5	4.5	381	305	1 1/8	1 5/8	174
AAF0580	V1571Y	15	32.2	117.1	4	70.8	4.5	381	305	1 1/8	1 5/8	170
AAF0600	V2571Y	25	43.5	202.7	4	70.8	4.5	381	305	1 3/8	2 1/8	184
AAF0620	V2084Y	20	42.6	145.2	4	83.8	4.5	381	305	1 1/8	1 5/8	180
AAF0640	V3084Y	30	49.2	186.2	4	83.8	4.5	381	305	1 3/8	2 1/8	187
AAF0660	V2593Y	25	52.3	202.7	4	93.1	4.5	381	305	1 3/8	2 1/8	190
AAF0680	V3293Y	32	53.1	239.2	4	93.1	4.5	381	305	1 3/8	2 1/8	192
AAF0700	Z25106Y	25	53.6	202.7	6	106.2	4.5	381	305	1 3/8	2 1/8	220
AAF0720	Z35106Y	35	60.2	239.2	6	106.2	4.5	381	305	1 3/8	2 1/8	223
AAF0740	Z30126Y	30	55.7	186.2	6	125.7	7.5	381	305	1 3/8	2 1/8	229
AAF0760	Z40126Y	40	71.9	273	6	125.7	7.5	381	305	1 5/8	2 5/8	240
AAF0780	Z40154Y	40	77.9	273	6	154.4	7.5	381	305	1 5/8	2 5/8	240
AAF0800	Z50154Y	50	90.4	321.4	6	154.4	7.5	381	305	1 5/8	2 5/8	244
AAF0820	W60187Y	60	103.5	455	8	186.1	8	458	305	1 5/8	3 1/8	315
AAF0840	W70206Y	70	116.8	548	8	205.8	8	458	305	2 1/8	3 1/8	328

PLEASE CONTACT KOLDPAK FOR INFORMATION AND AVAILABILITY ON FRASCOLD MODELS NOT LISTED

FRASCOLD SEMI-HERMETIC COMPRESSORS

CRANK CASE HEATER

STOCK CODE	DESCRIPTION	SUITS SERIES
ADD0020	50w Crank Case Heater	A, B & D
ADD0040	70w Crank Case Heater	F, Q, S & T
ADD0060	150w Crank Case Heater	V, Z & W



MOTOR PROTECTION

STOCK CODE	DESCRIPTION	SUITS SERIES
ADD0080	Motor Protection INT69	A, B, D, F, Q, S
ADD0100	Motor Protection INT69TM	V, Z, W



OIL SPARES

STOCK CODE	DESCRIPTION	SUITS SERIES
ADD0120	DELTA-PII Oil Pressure Safety Switch	All models
ADD0140	Oil Pump Assembly V	V series
ADD0160	Oil Pump Assembly Z-W	Z & W series
ADD0180	Oil Strainer Assembly	All models
ADD0200	Sight Glass	All models



CAPACITY CONTROL - UNLOADER HEAD

STOCK CODE	DESCRIPTION	SUITS SERIES
ADD0220	Capacity Control Q (Coil Included)	Q series
ADD0240	Capacity Control S (Coil Included)	S series
ADD0260	Capacity Control V-Z (Coil Included)	V, Z, W series

START UNLOADER HEAD

STOCK CODE	DESCRIPTION	SUITS SERIES
ADD0280	Start Unloader S (Coil Included)	S Series
ADD0300	Start Unloader V-W (Coil Included)	V, Z, W Series

* CAN BE USED IN CONJUNCTION WITH PWS TO SIGNIFICANTLY REDUCE COMPRESSOR STARTING CURRENT.

HEAD COOLING FANS (1PH / 240V)

STOCK CODE	DESCRIPTION	SUITS SERIES
ADD0320	Head Cooling Fan A-F	A, B, D & F
ADD0340	Head Cooling Fan Q	Q Series
ADD0360	Head Cooling Fan S-V	S & V
ADD0380	Head Cooling Fan Z	Z Series



PLEASE CONTACT KOLDPAK FOR INFORMATION AND AVAILABILITY ON FRASCOLD SPARES AND ACCESSORIES NOT LISTED