



FreezeIndia

manufacturing private limited

An ISO 9001:2008 Company

product catalogue

condensing unit



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Feel the Difference in freeze

DANFOSS

GM series Hermatic Air cooled Condensing Units



Model	Compresso	Power (kw)	Capacity (w)	Connect pipe		Dimension (mm)			Intall size (mm)	
				Suction	liquid	A	B	C	A	B
HGM(Z)-28	MT(Z)28	2.2	4700	12	10	680	610	570	570	400
HGM(Z)-36	MT(Z)36	2.95	6010	16	10	960	680	470	910	370
HGM(Z)-40	MT(Z)40	3.34	6610	22	12	960	680	520	910	370
HGM(Z)-50	MT(Z)50	3.8	7400	22	12	1060	680	730	1025	400
HGM(Z)-64	MT(Z)64	4.86	9780	22	12	1300	750	770	1250	420
HGM(Z)-80	MT(Z)80	6.0	12380	28	16	1300	800	970	1250	500
HGM(Z)-100	MT(Z)100	7.0	14340	28	16	1300	850	1170	1250	500
HGM(Z)-125	MT(Z)125	9.32	19190	28	16	1300	850	1420	1250	500
HGM(Z)-160	MT(Z)160	11.5	24090	28	16	1300	850	520	1250	500
MGM(Z)-28	MT(Z)28	1.77	2730	12	10	680	610	520	570	400
MGM(Z)-36	MT(Z)36	2.4	3560	16	10	880	680	470	840	490
MGM(Z)-50	MT(Z)50	2.98	4280	22	12	960	680	520	910	370
MGM(Z)-64	MT(Z)64	3.95	5690	22	12	1060	680	670	1025	400
MGM(Z)-80	MT(Z)80	5.0	7330	28	16	1300	750	670	1260	420
MGM(Z)-100	MT(Z)100	5.73	8210	28	16	1300	800	770	1250	500
MGM(Z)-125	MT(Z)125	7.6	11450	28	16	1300	850	970	1250	500
MGM(Z)-160	MT(Z)160	8.95	14460	28	16	1300	850	1420	1250	500

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ZSW Series Scroll Condensing Unit

Technical Data (1)



Unit Model	ZSW02MA	ZSW03MA	ZSW04MA	ZSW05MA	ZSW06MA	ZSW07M	ZSW08M	ZSW09MA
Suitable Temp. Range (c)				5 C~-5 C				
Refrigerant	R22							
Power	380V/50HZ							
	Scroll Compressor							
Compressor	ZB15KQ	ZB21KQ	ZB30KQ	ZB38KQ	ZB45KQ	ZB58KQ	ZB66KQ	ZB76KQ
	1	1	1	1	1	1	1	1
	1	1	2	2	2	4	4	4
Compressor	3200	4600	6400	6400	9200	12800	12800	18400
	110	150	110x2	110x2	150x2	110x4	110x4	150x4
	4550	6600	8550	10800	13350	17400	20000	23400
	1810	2530	3290	3940	4780	6100	6750	8250
Compressor Cooling	3750	5500	6800	8800	11100	14150	16500	19500
Capacity and Power	1840	2500	3290	3900	4780	6100	6750	8000
	3050	4400	5150	6900	8950	11050	13400	15800
	1870	20480	3280	3890	4800	6150	6700	7950
connection	22	22	22	22	22	28	28	28
	12	12	12	12	12	16	16	16
	86	90	138	141	143	233	233	240
	1100	1100	1100	1100	1100	1700	1700	1700
Overall Dimensions	550	550	550	550	550	550	550	550
	635	635	1238	1238	1238	1288	1288	1288

Technical Data (2)



Unit Model	ZSW02LA`	ZSW03LA`	ZSW04LA`	ZSW05LA`	ZSW06LA`	ZSW08L`	ZSW09L`	ZSW10LA`
Suitable Temp. Range (C)				15C~18C				
Refrigerant	R404A							
Power	380V/50HZ							
Type	Scroll Compressor							
Model	ZB15KQE	ZB21KQE	ZB30KQE	ZB38KQE	ZB45KQE	ZB58KQE	ZB66KQE	ZB76KQE
Qty	1	1	1	1	1	1	1	1
Fan Motor Qty	1	1	1	2	2	2	4	4
Air volume (m/h)	3200	3200	4600	6400	6400	9200	12800	12800
Motor Power (w)	110	110	150	110x2	110x2	150x4	110x4	110x4
	2080	3350	4500	5650	6700	8500	10600	12500
	2180	2830	3790	4680	5350	7350	7850	9200
	1560	2650	3550	4500	5300	6200	8350	10300
	2260	2830	3810	4670	5350	7450	7850	9100
	1080	2070	2770	3500	4150	4800	6960	8980
	2320	2830	3820	4650	5300	7050	7250	8500
	22	22	22	22	22	28	28	28
	12	12	12	12	12	16	16	16
	80	88	100	138	140	165	233	238
	1100	1100	1100	1100	1100	1100	1700	1700
	550	550	550	550	550	550	550	550
	635	635	1238	1238	1238	1238	1288	1288

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Bitzer Semi Hermatic Compressor

Technical Data 1 (Midle & High Temperature)



Model	Compressor model	Power (KW)	Cooling capacity (W)	Connect pipe		Shape size (mm)			Installing size mm	
				Suction	discharge	A	B	C	A	B
FN18/2HC2.2	2HC-2.2	1.94	3380	16	10	620	650	560	580	350
FN18/2GC2.2	2GC-2.2	2.23	3990	16	10	620	650	560	580	350
FN22/FC3.2	2FC-3.2	2.7	4820	16	10	620	650	560	580	350
FN28/2EC3.2	2EC-3.2	3.34	5670	22	12	960	680	470	920	380
FN33/2DC3.2	2DC-3.2	3.88	6780	22	12	960	680	520	920	380
FN43/2CC4.2	2CC-4.2	4.92	8350	22	12	1060	680	720	1020	380
FN48/4FC5.2	4FC-5.2	5.21	9640	22	12	1300	750	670	1260	410
FN55/4EC6.2	4EC-6.2	6.23	11850	28	12	1300	750	770	1260	410
FN70/4DC7.2	4DC-7.2	7.72	14480	28	16	1300	750	870	1260	410
FN80/4CC9.2	4CC-9.2	7.98	17500	28	16	1280	710	1010	1000	665
FN80/4VCS10.2	4VCS-10.2	7.91	19190	28	16	1280	710	1010	1000	665
FN100/4TCS12	4TCS-12.2	9.85	23150	35	16	1280	710	1210	1000	665
FN130/4PCS15	4PCS-15.2	11.2	27700	35	22	1280	750	1460	1000	705
FN150/4NCS20	4NCS-20.2	14.1	32150	42	22	1350	800	1410	1000	755
FN220/4H25.2	4H-25.2	18.1	42250	54	22	1150	570	860	800	525
FN280/4G30.2	4G-30.2	21.1	48500	54	22	1150	570	852	800	525
FN310/6J33.2	6J-33.2	23.3	54700	54	28	1150	570	852	800	525
FN310/6H35.2	6H-35.2	26.7	63400	54	28	1050	600	910	800	555
FN380/6G40.2	6G-40.2	31	72800	54	28	1050	600	910	800	555
FN410/6F50.2	6F-50.2	37.9	86300	54	35	1550	600	880	1000	550
FN530/8GC60	8GC-60.2	47.7	106300	76	35	1550	600	950	1000	550
FN600/8FC70	8FC-70.2	60.5	121200	76	35	1550	600	950	1000	550

Technical Data 2 (Middle & Low Temperature)



Model	Compressor model	Power (KW)	Cooling capacity (w)	Connecting pipe		Shape size(mm)			Installing size mm	
				Suction	discharge	A	B	C	A	B
FN15/2HC1.2	2HC-2	1.37	1880	16	10	620	650	510	580	350
FN15/2FC2.2	2FC-2.2	1.85	2700	16	10	620	650	510	580	350
FN22/2EC2.2	2EC-2.2	2.22	3150	22	10	620	650	560	580	350
FN28/2DC2.2	2DC-2.2	2.64	3520	22	12	960	680	470	920	380
FN33/2CC3.2	2CC-3.2	3.03	4450	22	12	960	680	520	920	380
FN36/4FC3.2	4FC-3.2	3.6	4960	22	12	1060	680	620	1020	380
FN48/4EC4.2	4EC-4.2	4.37	61160	22	12	1300	750	670	1260	410
FN55/4DC5.2	4DC-5.2	5	7280	28	12	1300	750	770	1260	410
FN70/4CC6.2	4CC-6.2	6.2	8390	28	12	1300	750	870	1260	410
FN80/4TCS8.2	4TCS-8.2	7.38	11880	35	16	1280	710	1010	1000	665
FN100/4PCS10	4PCS-10.2	8.67	13800	35	16	1280	710	1210	1000	665
FN130/4NCS12	4NCS-12.2	10	16160	35	16	1280	750	1460	1000	705
FN150/4H15.2	4H-15.2	13.9	21100	42	22	1350	850	1410	1000	805
FN180/4G20.2	4G-20.2	16.4	24450	54	22	1350	850	1410	1000	805
FN210/6J22.2	6J-22.2	17.2	27350	54	22	1750	890	1310	1350	845
FN220/6H25.2	6H-25.2	20.7	31700	54	22	1150	570	850	800	525
FN280/6G30.2	6G-30.2	24.3	36700	54	22	1150	570	850	800	525
FN310/6F40.2	6F-40.2	29.6	44100	54	28	1050	600	910	800	555

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ZSQ SERIES BOX TYPE CONDENSING UNITS



Model	Compressor			Condenser				Connection	
	Model	Cooling capaci (w)	Nominal Power (HP)	Dia (mm)	Air flow (m3/h)	Power	Voltage Pole	Liquid	Suction
ZSB03MB	2DC3.2	6780	3	300	3600	2X80	380 4	12/SAE	22/SAE
ZSB04MB	2cc4.2	8350	4	350	6300	2X150	380 4	12/SAE	22/SAE
ZSB05MB	4FC5.2	9640	5	350	6300	2X150	380 4	12/SAE	22/SAE
ZSB06MB	4EC6.2	11850	6	400	9000	2X180	380 4	12/ODS	28/ODS
ZSB07MB	4DC7.2	14480	7	400	9000	2X180	380 4	16/ODS	28/ODS
ZSB10MB	4VCS10.2	19190	10	450	11000	2X250	380 4	16/ODS	28/ODS
ZSB12MB	4TCS12.2	23150	12	500	12500	2X400	380 4	16/ODS	35/ODS
ZSB15MB	4PCS15.2	27700	15	550	16900	2X500	380 4	22/ODS	42/ODS
ZSB20MB	4NCS20.2	32150	20	550	16900	2X500	380 4	22/ODS	42/ODS
ZSB03LB	2CC3.2	4450	3	300	3600	2X80	380 4	12/SAE	22/SAE
ZSB04LB	4EC4.2	6160	4	350	6300	2X150	380 4	12/ODS	28/ODS
ZSB05LB	4EC5.2	7280	5	350	6300	2X150	380 4	12/ODS	28/ODS
ZSB06LB	4CC6.2	8390	6	400	9000	2X180	380 4	12/ODS	28/ODS
ZSB08LB	4TCS8.2	11880	8	400	9000	2X180	380 4	16/ODS	35/ODS
ZSB10LB	4PCS10.2	13800	10	450	11000	2X250	380 4	16/ODS	35/ODS
ZSB12LB	4NCS12.2	16150	12	450	11000	2X250	380 4	22/ODS	35/ODS
ZSB15LB	4H15.2	21100	15	500	12500	2X400	380 4	22/ODS	42/ODS
ZSB20LB	4G20.2	24450	20	550	16900	2X500	380 4	22/ODS	54/ODS
ZSB22LB	6J22.2	27350	22	550	16900	2X500	380 4	22/ODS	54/ODS
ZSB22MB	4J22.2	36450	22	610	22400	2X680	380 6	22/ODS	42/ODS
ZSB25MB	4H25.2	42250	25	610	22400	2X680	380 6	22/ODS	54/ODS
ZSB30MB	4G30.2	48500	30	610	33600	3X680	380 6	22/ODS	54/ODS
ZSB33MB	6J33.2	54700	33	610	33600	3X680	380 6	22/ODS	54/ODS
ZSB35MB	6H35.2	63400	35	650	42600	3X820	380 6	28/ODS	54/ODS
ZSB40MB	6G40.2	72800	40	650	42600	3X820	380 6	28/ODS	54/ODS
ZSB50MB	6F50.2	86300	50	650	42600	3X820	380 6	35/ODS	54/ODS
ZSB60MB	8GC60.2	106300	60	610	67200	6X680	380 6	35/ODS	76/ODS
ZSB25LB	6H25.2	31700	25	610	22400	2X680	380 6	22/ODS	54/ODS
ZSB30LB	6G30.2	36700	30	610	22100	2X680	380 6	22/ODS	54/ODS
ZSB40LB	6F40.2	44100	40	610	33600	3X680	380 6	28/ODS	54/ODS

ZSB SERIES BOX TYPE CONDENSING UNITS

Units Model	Compressor Model	Power KW	Capacity		Connecting Suction	Liquid	Flow M / H	Dimension (mm)		Instal size (mm)	
			W					A	B	A	B
ZSQ02HA	QR3-44	5770	2	480	3600	60	220	6	12/SAE	19/SAE	
ZSQ03HA	QR3-58	7900	3	480	3600	60	220	6	12/SAE	19/SAE	
ZSQ03HAG	ZR36K3	7900	3	480	3600	60	220	6	12/SAE	19/SAE	
ZSQ04HA	QR3-74	9860	4	480	7200	2X60	220	6	12/SAE	19/SAE	
ZSQ04HAG	ZR47K3	9860	4	480	7200	2X60	220	6	12/SAE	19/SAE	
ZSQ05HA	QR3-112	14900	5	480	7200	2X60	220	6	12/SAE	19/SAE	
ZSQ03MA	QR3-58	4815	3	480	3600	2X60	220	6	12/SAE	19/SAE	
ZSQ03MAG	ZR36K3	4815	3	480	3600	60	220	6	12/SAE	19/SAE	
ZSQ04MA	QR3-74	5800	4	480	3600	60	220	6	12/SAE	19/SAE	
ZSQ04MAG	ZR47K3	5800	4	480	3600	60	220	6	12/SAE	19/SAE	
ZSQ05MA	QR3-112	8360	5	480	7200	2X60	220	6	12/SAE	19/SAE	
ZSQ06MAG	QR3-124	9400	6	480	7200	2X60	220	6	12/SAE	19/SAE	
ZSQ07MA	QR3-134	10000	7	480	7200	2X60	220	6	12/SAE	19/SAE	
ZSQ3MB	MT36	6000	3	300	3600	2X180	380	4	12/SAE	16/SAE	
ZSQ04MB	MT50	6700	4	350	6200	2X150	380	4	12/SAE	22/SAE	
ZSQ05MB	MT64	8850	5	350	6200	2X150	380	4	12/SAE	22/SAE	
ZSQ06MB	MT72	10860	6	400	9000	2X180	380	4	12/SAE	22/SAE	
ZSQ07MB	MT180	12380	7	400	9000	2X180	380	4	12/ODS	28/ODS	
ZSQ08MB	MT100	14340	8	450	11000	2X250	380	4	12/ODS	28/ODS	
ZSQ10MB	MT125	19200	10	450	11000	2X250	380	4	16/ODS	28/ODS	
ZSQ12MB	MT144	21650	12	450	11000	2X250	380	4	16/ODS	28/ODS	
ZSQ13MB	MT160	24100	13	500	12400	2X400	380	4	16/ODS	28/ODS	
ZSQ03LB	MT(Z)36	2707	3	300	3600	2X80	380	4	12/SAE	16/SAE	
ZSQ04LB	MT(Z)50	3380	4	350	6200	2X150	380	4	12/SAE	22/SAE	
ZSQ05LB	MT(Z)64	4560	5	350	6200	2X150	380	4	12/SAE	22/SAE	
ZSQ06LB	MT(Z)72	5205	6	400	9000	2X180	380	4	12/SAE	22/SAE	
ZSQ07LB	MT(Z)80	5980	7	400	9000	2X180	380	4	12/SAE	28/ODS	
ZSQ08LB	MT(Z)100	6970	8	450	11000	2X250	380	4	12/SAE	28/ODS	
ZSQ10LB	MT(Z)125	9140	10	450	11000	2X250	380	4	16/SAE	28/ODS	
ZSQ12LB	MT(Z)144	11040	12	450	11000	2X250	380	4	16/SAE	28/ODS	
ZSQ13LB	MT(Z)160	12180	13	500	12400	2X250	380	4	16/SAE	28/ODS	



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Company Profile

FREEZE INDIA MANUFACTURING PRIVATE LIMITED is an ISO 9001: 2008, certified company, located at Kakalur, SIDCO Industrial Estate, 45 kms from Chennai, Tamilnadu, India and was established in 2007.

We specialize in manufacturing condenser and Evaporator coil (fin and tube), flow pipes (suction and receiver pipes) . As a Forward movement we produce Hermetic or semi hermetic compressor condensing units.

Special Features of Freeze India Condensing Unit

- Manufacture compact Design, Tropicalized design, suitable for Hot and Dusty Indian field conditions. Freeze India model design for corrosion resistance, Cleanliness and Reliability
- Leak tested at 28 Kg/Cm2 (400 psi) of Dry Nitrogen and sealed.
- Freeze India make 10 FPI vapor de-greased condenser does not get clogged easily. Our condensers are optimum sized, mechanical bullet Expanded.
- Dry Nitrogen cleaned Condenser, Receiver and all tubing prior to assembly for cleanest refrigeration system. Lowest residue levels.
- Life-time lubricated IP-54 exhaust-fan for highest reliability industry environs.
- Fitted with large receiver with valve for easy pump-down and stable performance in all operating conditions. Receiver pressure tested at 28 Bar with Dry Nitrogen.
- Expansion valve, dryer, sight glass, solenoid valve to suit application.
- High quality electrical with optional fully wired-up control panels with wiring enclosures.
- Direct-to-Customer Nation-wide replacement of Compressors available directly from the manufacturers.
- Multi refrigerant capability with R22, R404a, R134a, R407c.



Freeze India Manufacturing Private Limited

No:29, SIDCO Industrial Estate, Kakkalur,
Thiruvallur (Tamilnadu), India - 602 003.

Phone: +91 044 2766 0870 / 1277

Mobile: +91 9952966955 / 9940599911

Website: www.freeze-india.com

E-mail: sales@freeze-india.com
freezeindia@hotmail.com