

Model
GS26MFX

Sales code:
107B0700

Compressor Data

Refrigerant(s)	R134a / R513A
Refr. charge - tech. limit	2000g / 70.55oz
Weight	19.10 kg / 42.11lbs
Displacement	26.30 cm3 / 1.60cu.in
Compressors on pallet	48



General – Configurations With GS26MFX

-	Conf. 1	Conf. 2
Motor configuration	CSCR	CSCR
Power supply (nominal)	220-240 V/50 Hz	220-240 V/50 Hz
Number of phases	1	1
Voltage range	198-254 V	198-254 V
Approvals	VDE, CCC	VDE, CCC
Starting torque	HST	HST
Refrigerant	R134a	R513A
Application	MBP	MBP
Hot gas defrost	OK	OK
Long interval pull down	OK	OK

Application Notes

- Cover, clamp, gasket: pre-assembled to compressor.
- Provision for PE Grounding is located at the PE Stamp on the compressor

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Compressor Design

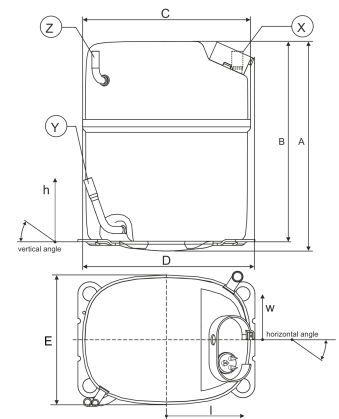
Oil type	POE	Winding resistance main	3.600 Ohm
Oil viscosity	32,5cSt	Winding resistance aux	4.00 Ohm
Oil quantity	902 / 30.50fl.oz	Max. winding temp.	135 °C
Free gas volume comp.	3,350 cm ³ / 113.28fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	internal		

Compressor Dimensions

Housing

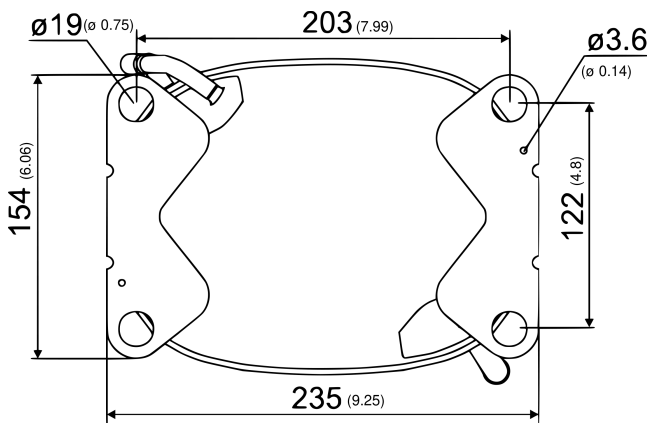
A Height	259mm / 10.20in
B Height	247mm / 9.72in
C Length shell	224mm / 8.82in
D Length w. cover	232mm / 9.13in
E Width	173mm / 6.81in

[Find 3D Model here](#)

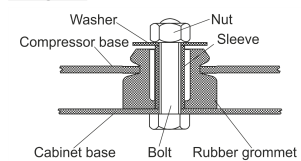


Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 12.75–13.05 / 0.50–0.51in	øi 8.15–8.25 / 0.32–0.32in	øi 6.4–6.6 / 0.25–0.26in
Material	CU	CU	CU
Horizontal angle ±2°	0°	0°	0°
Vertical angle ±2°	90°	71°	90°
Position l/h/w [mm]	-94.5/234/-84 / -3.72/9.21/-3.31in	-105/84/-84 / -4.13/3.31/-3.31in	94.5/234/84 / 3.72/9.21/3.31in
Straight tube l. [mm]	18 / 0.71in	22.5 / 0.89in	15 / 0.59in

Mounting Accessories



Bolt joint



Dimensions in mm [in]

	one comp.	multi pack
Bolt joint M8 ø19mm	107B9150	-

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Configuration 1

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Configuration

Motor configuration	CSCR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R134a
Application	MBP
Voltage range	198-254 V
Starting torque	HST
Approvals	VDE, CCC
Starting device type	relay
Run capacitor	20 µF
Start capacitor	100 µF
LRA (locked rotor amps / 4s/ U(N))	20 A
RLA (rated load amps / 1s/ U(N))	3.8 A
Cut in current (U(N))	20 A

Ambient/ machine room temperatures minimum /maximum

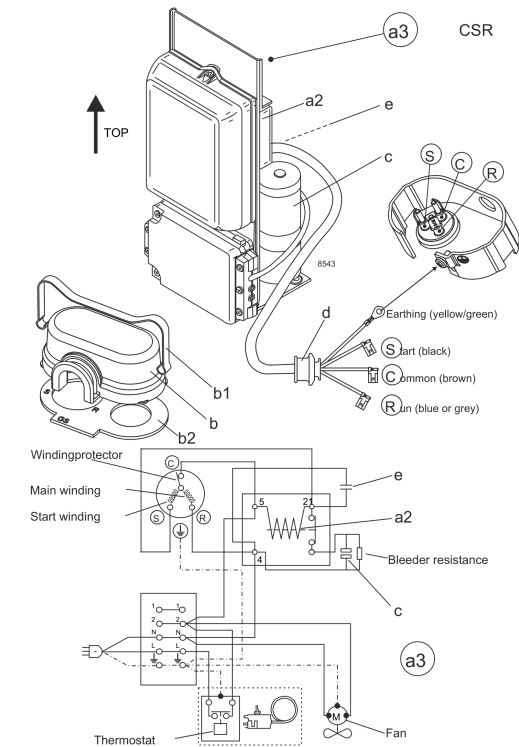
Ambient temperature range: 10 - 43°C / 50 - 109°F

Machine room temp. compressor: 10 - 48°C / 50 - 118°F

System Cooling

fan 3m/s

Electrical Accessories / Wiring Diagram



[View full size](#)

Components (cover, clamp, gasket: pre assembled)

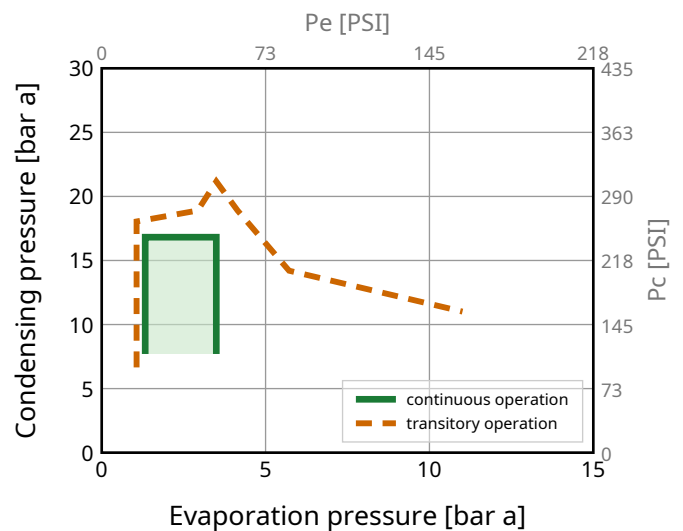
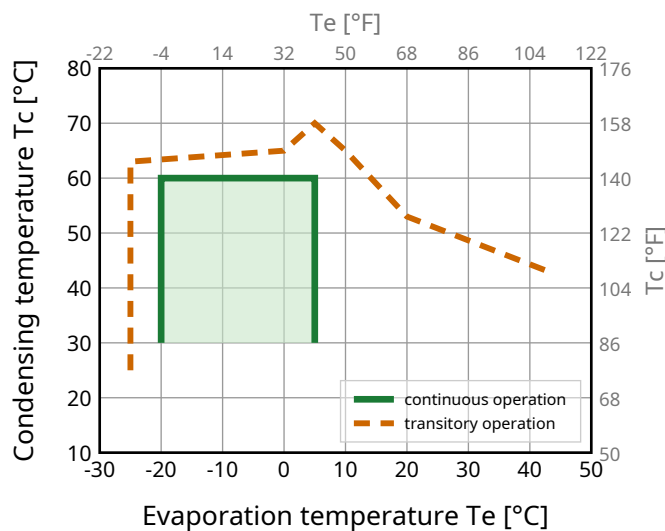
a3 GS starter kit (600mm) 117-7055

b cover 107B9101

b2 gasket 107B9100

b1 clamp 107B9104

Operation Pressure Range



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Configuration 1

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Standard Conditions

R134a, 220 V/50 Hz, CSCR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	m	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]	
-6.7 20	54.4 129.9	35 95	46.1 115	1442	4920	1240	1.82	6.20	793	3.69	31.40	ASHRAE MBP
-10 14	55 131	32 89.6	55 131	1116	3808	960	1.52	5.18	735	3.42	26.91	CECOMAF MBP
-10 14	45 113	20 68	45 113	1266	4318	1088	1.82	6.21	695	3.19	29.51	EN12900 MBP
-6.7 20	48.8 119.8	18.3 64.9	48.8 119.8	1380	4707	1186	1.80	6.16	765	3.52	33.90	ARI540 MBP
-10 14	45 113	32 89.6	45 113	1312	4477	1128	1.89	6.44	695	3.19	28.65	opt MBP
-23.3 -10	45 113	32.2 90	32.2 90	715	2438	615	1.43	4.89	498	2.40	13.86	opt LBP

Performance Tables

R134a, 220 V/50 Hz, CSCR, fan 3m/s

pc= 45/113 | RGT= 20/68 | Tliq= 45/113 | °C/°F

pe		Cooling capacity			COP	EER	P	I	m
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-20	-4	754	2574	649	1.38	4.72	546	2.57	17.44
-15	5	989	3374	850	1.60	5.45	619	2.86	22.95
-10	14	1266	4318	1088	1.82	6.21	695	3.19	29.51
-5	23	1590	5427	1368	2.06	7.01	774	3.55	37.30
0	32	1970	6723	1694	2.30	7.85	856	3.94	46.53
5	41	2411	8227	2074	2.56	8.74	941	4.38	57.41

pc= 55/131 | RGT= 20/68 | Tliq= 55/131 | °C/°F

-20	-4	629	2147	541	1.12	3.81	563	2.63	16.16
-15	5	833	2841	716	1.29	4.39	646	3.01	21.48
-10	14	1069	3648	919	1.45	4.96	735	3.42	27.72
-5	23	1345	4588	1156	1.62	5.53	829	3.86	35.09
0	32	1666	5684	1433	1.79	6.12	929	4.35	43.80
5	41	2039	6957	1754	1.97	6.73	1034	4.86	54.10

Model
GS26MFX

Configuration 2

Sales code:
107B0700

Configuration

Motor configuration	CSCR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R513A
Application	MBP
Voltage range	198-254 V
Starting torque	HST
Approvals	VDE, CCC
Starting device type	relay
Run capacitor	20 μF
Start capacitor	100 μF
LRA (locked rotor amps / 4s/ U(N))	20 A
RLA (rated load amps / 1s/ U(N))	3.8 A
Cut in current (U(N))	20 A

Ambient/ machine room temperatures minimum /maximum

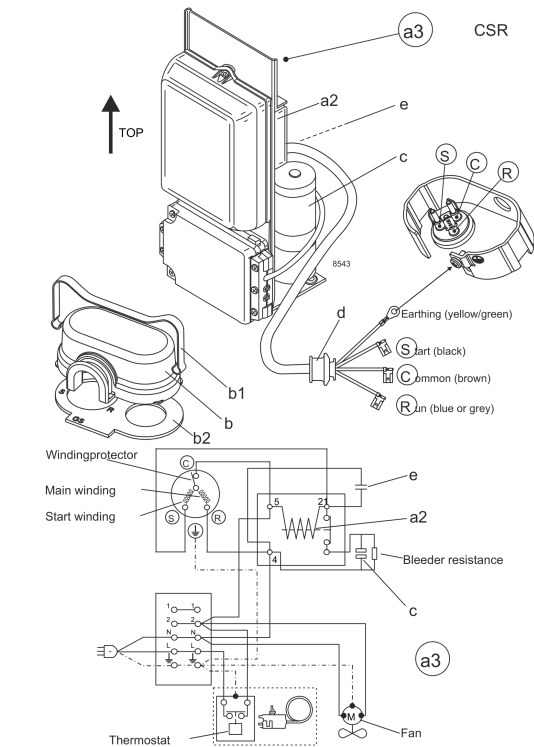
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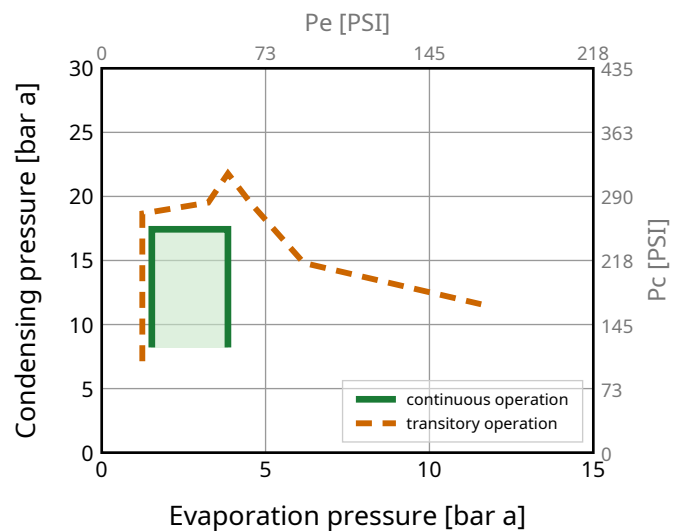
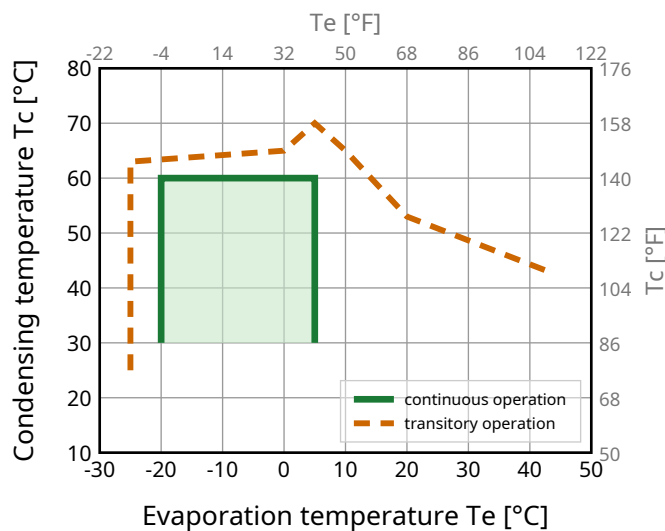
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Operation Pressure Range



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Standard Conditions

R513A, 220 V/50 Hz, CSCR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	m	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]	
-6.7 20	54.4 129.9	35 95	46.1 115	1536	5242	1321	1.81	6.19	847	3.96	38.30	ASHRAE MBP
-10 14	55 131	32 89.6	55 131	1177	4016	1012	1.49	5.09	789	3.69	33.03	CECOMAF MBP
-10 14	45 113	20 68	45 113	1333	4549	1147	1.79	6.12	743	3.48	36.10	EN12900 MBP
-6.7 20	48.8 119.8	18.3 64.9	48.8 119.8	1434	4893	1233	1.76	6.00	815	3.81	41.29	ARI540 MBP
-10 14	45 113	32 89.6	45 113	1400	4777	1204	1.88	6.42	743	3.48	35.05	opt MBP
-23.3 -10	45 113	32.2 90	32.2 90	797	2721	686	1.47	5.00	544	2.57	17.45	opt LBP

Performance Tables

R513A, 220 V/50 Hz, CSCR, fan 3m/s

pc= 45/113 | RGT= 20/68 | Tliq= 45/113 | °C/°F

pe		Cooling capacity			COP	EER	P	I	m
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-20	-4	812	2771	698	1.37	4.68	592	2.79	21.76
-15	5	1052	3590	905	1.58	5.39	666	3.13	28.33
-10	14	1333	4549	1147	1.79	6.12	743	3.48	36.10
-5	23	1661	5667	1428	2.02	6.89	823	3.85	45.27
0	32	2041	6964	1755	2.25	7.69	906	4.23	56.08
5	41	2480	8461	2133	2.50	8.53	992	4.63	68.80

pc= 55/131 | RGT= 20/68 | Tliq= 55/131 | °C/°F

-20	-4	670	2285	576	1.09	3.72	614	2.89	20.29
-15	5	874	2983	752	1.25	4.27	699	3.28	26.63
-10	14	1110	3787	954	1.41	4.80	789	3.69	34.02
-5	23	1382	4715	1189	1.56	5.33	884	4.13	42.69
0	32	1697	5790	1459	1.72	5.88	986	4.60	52.89
5	41	2061	7031	1772	1.89	6.43	1093	5.09	64.93