

Model
GS26GHX

Sales code:
107B0702

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 GS26GHX

-	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	VDE
Starting torque	HST	HST
Refrigerant	R134a	R513A
Application	MBP+HBP	MBP+HBP
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

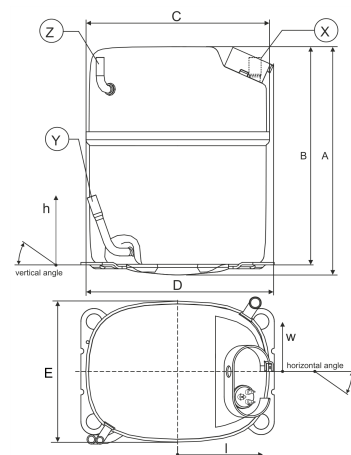
Oil type	POE	Motor protection	internal
Oil viscosity	32,5cSt	Winding resistance main	2.5 Ohm
Oil quantity	902 / 30.50fl.oz	Winding resistance aux	6.7 Ohm
Free gas volume comp.	3,350 cm ³ / 113.28fl.oz	Max. discharge temp.	130°C / 266°F

Compressor Dimensions

Housing

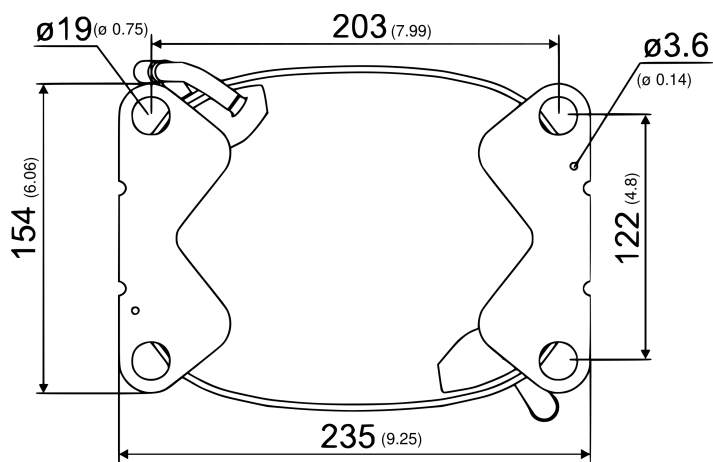
A Height	259mm / 10.20in
B Height	247mm / 9.72in
C Length shell	224mm / 8.82in
D Length w. cover	232mm / 9.13in
E Width	173mm / 6.81in

[Find 3D Model here](#)

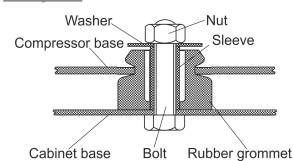


Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 12.75–13.05 / 0.50–0.51in	øi 8.15–8.25 / 0.32–0.32in	øi 6.4–6.6 / 0.25–0.26in
Material	CU	CU	CU
Horizontal angle ±2°	0°	0°	0°
Vertical angle ±2°	90°	71°	90°
Position l/h/w [mm]	-94.5/234/-84 / -3.72/9.21/-3.31in	-105/84/-84 / -4.13/3.31/-3.31in	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+HBP
Voltage range	198-254 V
Starting torque	HST
Approvals	VDE
Starting device type	relay
Run capacitor	20 µF
Start capacitor	80 µF
LRA (locked rotor amps / 4s/ U(N))	40 A
RLA (rated load amps / 1s/ U(N))	5.6 A
Cut in current (U(N))	40 A

Ambient/ machine room temperatures minimum /maximum

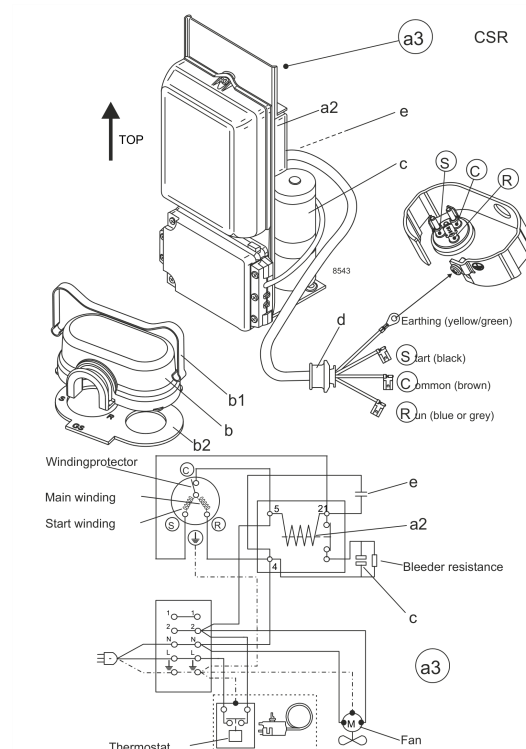
Ambient temperature range: 10 - 43°C / 50 - 109°F

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)

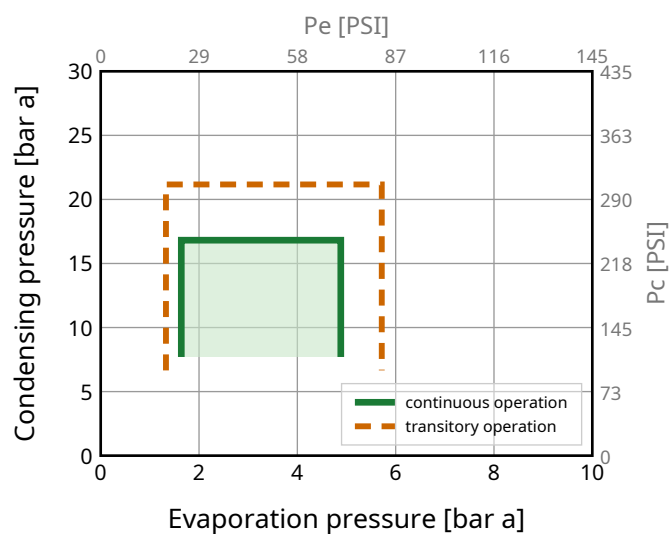
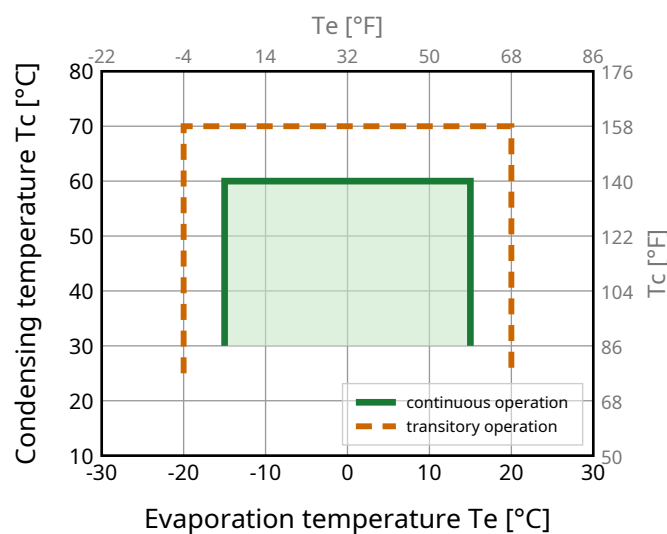
a3 GS starter kit (600mm) 117-7070

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]	
7.2 45	54.4 129.9	35 95	46.1 115	2608	8897	2243	2.49	8.51	1045	4.91	57.72	ASHRAE HBP
5 41	55 131	32 89.6	55 131	2152	7342	1851	2.13	7.26	1011	4.75	52.85	CECOMAF HBP
5 41	50 122	20 68	50 122	2239	7638	1925	2.31	7.88	970	4.56	56.15	EN12900 HBP
-6.7 20	54.4 129.9	35 95	46.1 115	1443	4924	1241	1.79	6.09	808	3.83	31.42	ASHRAE MBP
-10 14	55 131	32 89.6	55 131	1119	3819	963	1.48	5.05	756	3.62	26.98	CECOMAF MBP
-10 14	45 113	20 68	45 113	1275	4352	1097	1.78	6.07	717	3.42	29.74	EN12900 MBP

Performance Tables

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

pc= 45/113 | RGT= 32/89.6 | 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]
-15	5	1040	3548	894	1.60	5.46	650	3.15	22.62
-10	14	1321	4507	1136	1.84	6.29	717	3.42	28.85
-5	23	1657	5653	1425	2.11	7.21	785	3.72	36.36
0	32	2056	7013	1768	2.40	8.20	855	4.04	45.35
5	41	2524	8613	2171	2.71	9.26	930	4.38	56.07
10	50	3072	10480	2641	3.04	10.37	1010	4.75	68.75
15	59	3704	12639	3186	3.38	11.52	1097	5.14	83.69

pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F

-15	5	877	2994	755	1.30	4.44	675	3.29	21.06
-10	14	1119	3819	963	1.48	5.05	756	3.62	26.98
-5	23	1407	4801	1210	1.68	5.72	839	3.97	34.10
0	32	1749	5966	1504	1.89	6.46	923	4.35	42.64
5	41	2152	7342	1851	2.13	7.26	1011	4.75	52.85
10	50	2624	8953	2257	2.38	8.12	1103	5.17	65.01
15	59	3174	10828	2729	2.64	9.01	1202	5.62	79.43

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Configuration 2

Sales code:
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Configuration

Motor configuration	CSCR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R513A
Application	MBP+HBP
Voltage range	198-254 V
Starting torque	HST
Approvals	VDE
Starting device type	relay
Run capacitor	20 μF
Start capacitor	80 μF
LRA (locked rotor amps / 4s/ U(N))	40 A
RLA (rated load amps / 1s/ U(N))	5.6 A
Cut in current (U(N))	40 A

Ambient/ machine room temperatures minimum /maximum

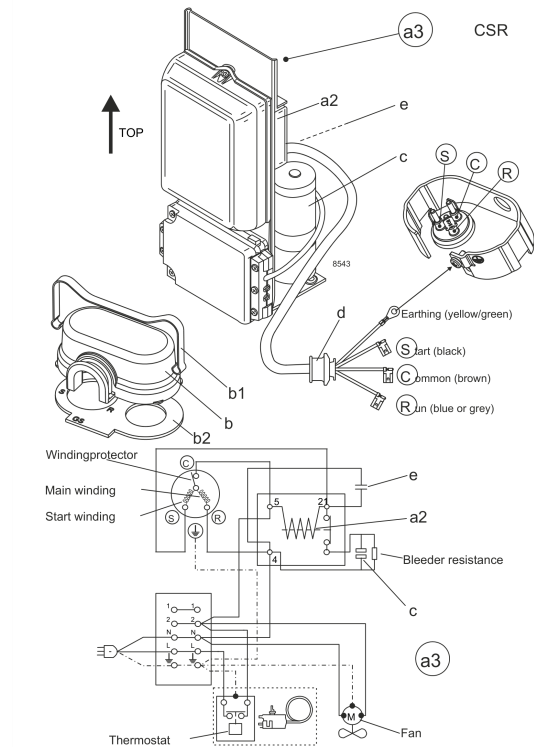
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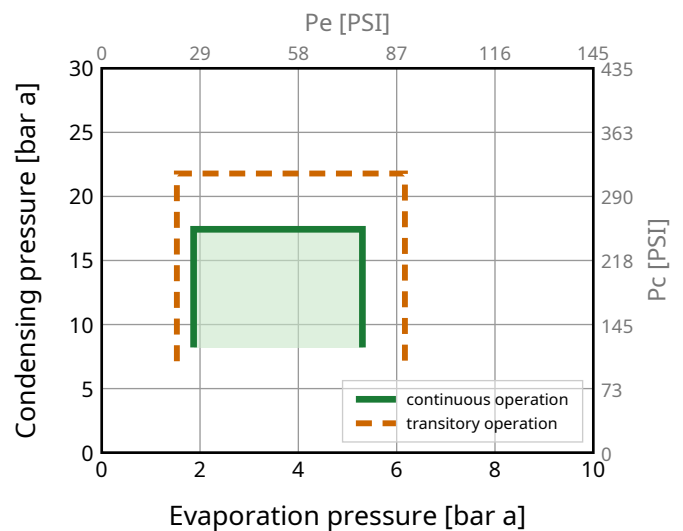
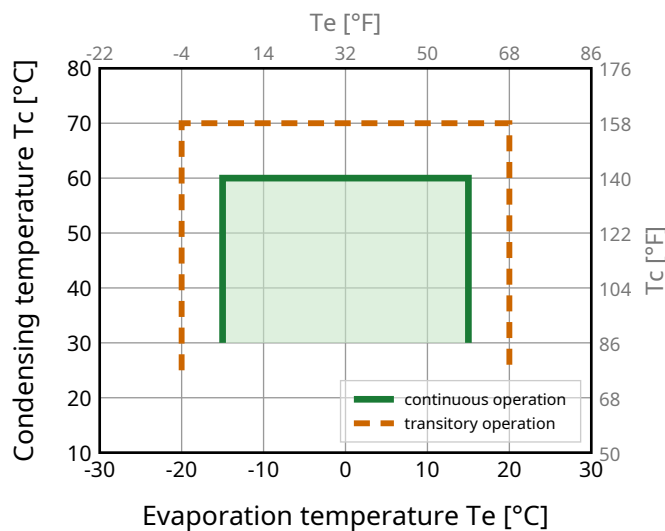
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Operation Pressure Range



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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]	
7.2 45	54.4 129.9	35 95	46.1 115	2682	9152	2307	2.48	8.44	1084	5.96	68.16	ASHRAE HBP
5 41	55 131	32 89.6	55 131	2180	7440	1875	2.08	7.09	1049	5.82	62.53	CECOMAF HBP
5 41	50 122	20 68	50 122	2255	7694	1939	2.24	7.65	1006	5.63	66.49	EN12900 HBP
-6.7 20	54.4 129.9	35 95	46.1 115	1514	5165	1302	1.79	6.09	848	4.93	37.74	ASHRAE MBP
-10 14	55 131	32 89.6	55 131	1161	3961	998	1.46	4.97	797	4.70	32.57	CECOMAF MBP
-10 14	45 113	20 68	45 113	1326	4525	1141	1.75	5.99	756	4.51	35.91	EN12900 MBP

Performance Tables

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

pc= 45/113 | RGT= 32/89.6 | 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]
-15	5	1106	3772	951	1.60	5.47	690	4.18	27.55
-10	14	1392	4748	1197	1.84	6.28	756	4.51	34.84
-5	23	1731	5908	1489	2.11	7.19	822	4.82	43.58
0	32	2132	7275	1834	2.39	8.17	891	5.13	54.02
5	41	2602	8877	2237	2.70	9.21	964	5.45	66.41
10	50	3147	10738	2706	3.01	10.27	1045	5.80	81.05
15	59	3776	12882	3247	3.32	11.34	1136	6.18	98.29

pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F

-15	5	919	3136	791	1.28	4.38	715	4.31	25.66
-10	14	1161	3961	998	1.46	4.97	797	4.70	32.57
-5	23	1447	4936	1244	1.65	5.62	878	5.07	40.84
0	32	1784	6088	1534	1.85	6.33	962	5.44	50.73
5	41	2180	7440	1875	2.08	7.09	1049	5.82	62.53
10	50	2643	9018	2273	2.31	7.89	1143	6.21	76.57
15	59	3179	10847	2734	2.55	8.71	1246	6.63	93.22