

Model

GS26CLX

Sales code:

107B0500

Compressor Data

Refrigerant(s)	R404A / R452A
Refr. charge - tech. limit	2000g / 70.55oz
Weight	20.00 kg / 44.09lbs
Displacement	26.30 cm3 / 1.60cu.in
Compressors on pallet	48



General – Configurations With GS26CLX

-	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, EAC	VDE, CCC
Starting torque	HST	HST
Refrigerant	R404A	R452A
Application	LBP	LBP
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

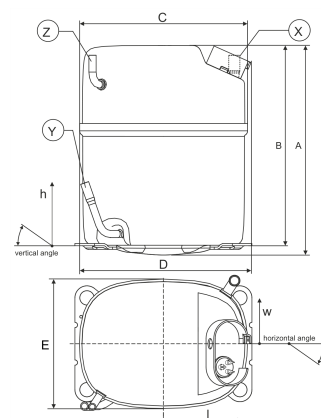
Oil type	POE	Winding resistance main	2.9 Ohm
Oil viscosity	32,5cSt	Winding resistance aux	5 Ohm
Oil quantity	902 / 30.50fl.oz	Max. winding temp.	135 °C
Free gas volume comp.	3,220 cm ³ / 108.88fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	internal		

Compressor Dimensions

Housing

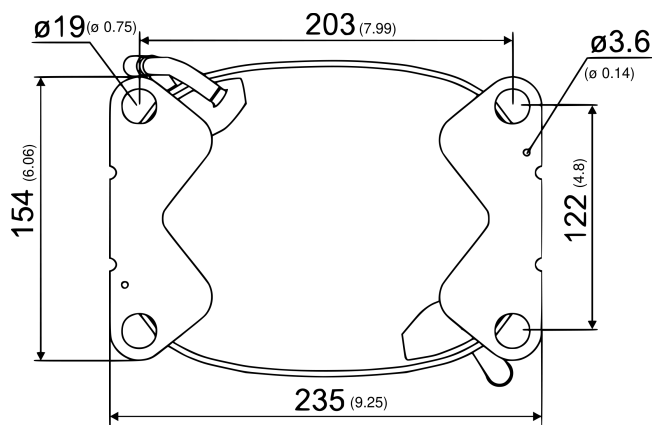
A Height	259mm / 10.20in
B Height	247mm / 9.72in
C Length shell	224mm / 8.82in
D Length w. cover	232mm / 9.13in
E Width	173mm / 6.81in

[Find 3D Model here](#)

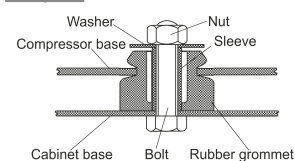


Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 12.75–13.05 / 0.50–0.51in	øi 8.15–8.25 / 0.32–0.32in	øi 6.4–6.6 / 0.25–0.26in
Material	CU	CU	CU
Horizontal angle ±2°	0°	0°	0°
Vertical angle ±2°	90°	71°	90°
Position l/h/w [mm]	-94.5/234/-84 / -3.72/9.21/-3.31in	-105/84/-84 / -4.13/3.31/-3.31in	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	R404A
Application	LBP
Voltage range	198-254 V
Starting torque	HST
Approvals	VDE, CCC, EAC
Starting device type	relay
Run capacitor	20 μF
Start capacitor	100 μF
LRA (locked rotor amps / 4s/ U(N))	26 A
RLA (rated load amps / 1s/ U(N))	4.8 A
Cut in current (U(N))	26 A

Ambient/ machine room temperatures minimum /maximum

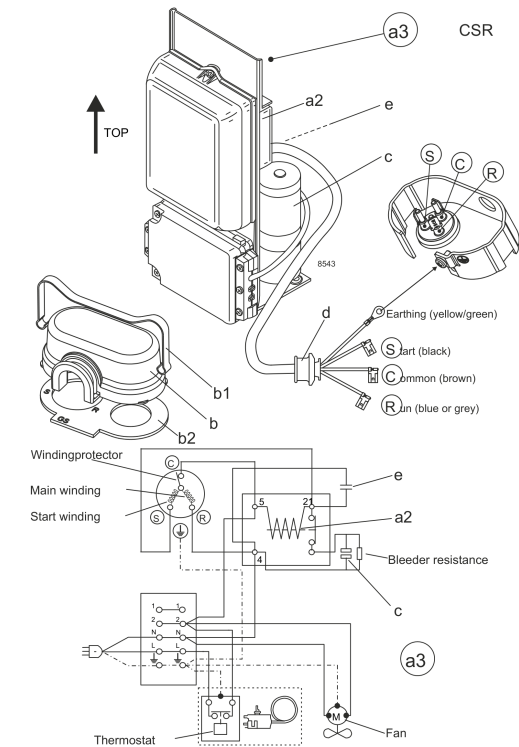
Ambient temperature range: 10 - 38°C / 50 - 100°F

Machine room temp. compressor: 10 - 43°C / 50 - 109°F

System Cooling

fan 3m/s

Electrical Accessories / Wiring Diagram



[View full size](#)

Components (cover, clamp, gasket: pre assembled)

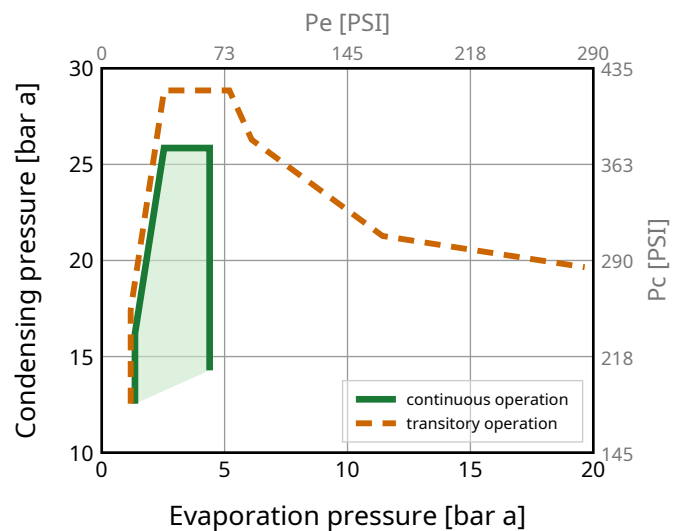
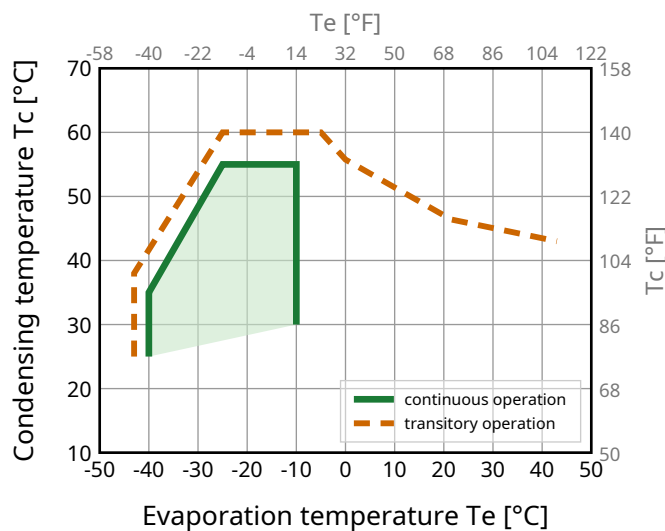
a3 GS starter kit (600mm) 117-7056

b cover 107B9101

b2 gasket 107B9100

b1 clamp 107B9104

Operation Pressure Range



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Configuration 1

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Standard Conditions

R404A, 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]	
-23.3 -10	54.4 129.9	32.2 90	32.2 90	1322	4511	1137	1.35	4.60	980	4.16	30.73	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	888	3028	763	0.95	3.24	933	4.02	27.68	CECOMAF LBP
-35 -31	40 104	20 68	40 104	703	2399	605	1.05	3.59	669	3.31	19.05	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	998	3404	858	1.03	3.51	968	4.14	35.20	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	1538	5248	1323	1.65	5.64	931	4.03	35.76	AHAM LBP
-35 -31	45 113	32 89.6	45 113	640	2182	550	0.95	3.23	675	3.33	17.06	opt LBP

Performance Tables

R404A, 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]
-40	-40	416	1420	358	0.75	2.55	558	3.08	11.99
-35	-31	607	2070	522	0.90	3.07	675	3.33	17.57
-30	-22	833	2843	716	1.05	3.59	792	3.63	24.25
-25	-13	1100	3754	946	1.21	4.11	912	3.97	32.22
-20	-4	1412	4818	1214	1.36	4.64	1038	4.36	41.66
-15	5	1774	6054	1526	1.51	5.15	1175	4.80	52.80
-10	14	2191	7477	1885	1.65	5.64	1326	5.29	65.89

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

-40	-40	264	902	227	0.51	1.74	520	2.97	8.94
-35	-31	423	1444	364	0.64	2.19	660	3.27	14.37
-30	-22	610	2080	524	0.77	2.61	796	3.62	20.82
-25	-13	828	2826	712	0.89	3.03	933	4.02	28.50
-20	-4	1084	3700	933	1.01	3.45	1074	4.46	37.65
-15	5	1383	4718	1189	1.13	3.86	1223	4.96	48.49
-10	14	1728	5895	1486	1.25	4.26	1384	5.50	61.34

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Configuration 2

Sales code:
107B0500

Configuration

Motor configuration	CSCR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R452A
Application	LBP
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))	26 A
RLA (rated load amps / 1s/ U(N))	4.8 A
Cut in current (U(N))	26 A

Ambient/ machine room temperatures minimum /maximum

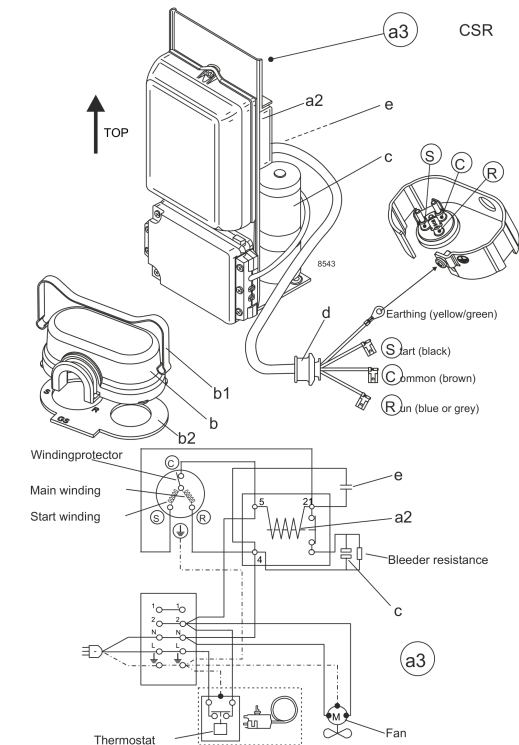
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Components (cover, clamp, gasket: pre assembled)

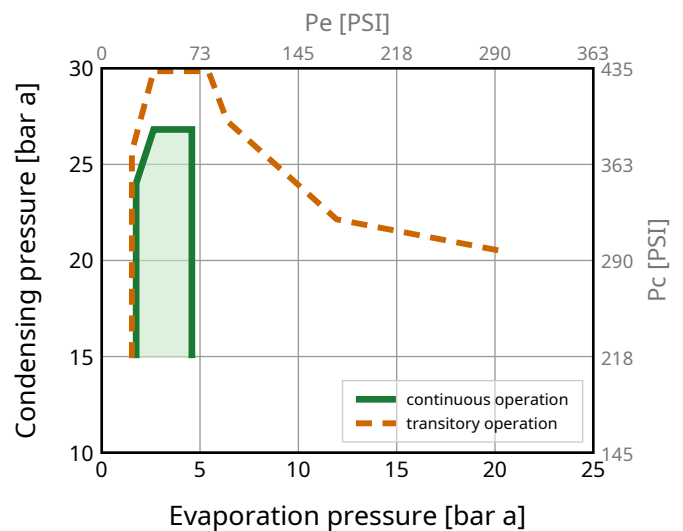
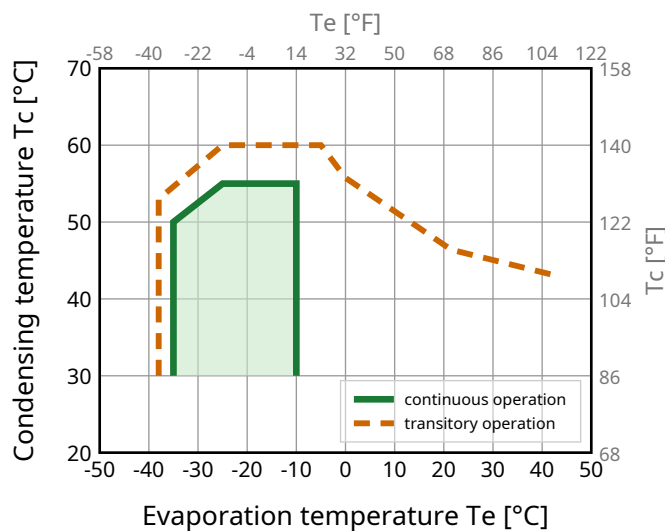
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b2 gasket 107B9100

b1 clamp 107B9104

Operation Pressure Range



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Configuration 2

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Standard Conditions

R452A, 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]	
-23.3 -10	54.4 129.9	32.2 90	32.2 90	1219	4158	1048	1.35	4.60	904	3.97	29.49	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	818	2793	704	0.95	3.26	858	3.83	26.41	CECOMAF LBP
-35 -31	40 104	20 68	40 104	638	2175	548	1.04	3.57	610	3.06	17.96	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	925	3157	796	1.03	3.52	896	3.95	33.78	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	1416	4830	1218	1.64	5.58	866	3.86	34.26	AHAM LBP
-35 -31	45 113	32 89.6	45 113	574	1959	494	0.93	3.19	615	3.08	15.91	opt LBP

Performance Tables

R452A, 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]
-35	-31	545	1860	469	0.89	3.03	615	3.08	16.38
-30	-22	756	2578	650	1.04	3.54	729	3.43	22.83
-25	-13	1012	3453	870	1.20	4.09	844	3.79	30.76
-20	-4	1317	4494	1133	1.36	4.65	965	4.17	40.32
-15	5	1673	5708	1439	1.53	5.21	1096	4.57	51.65
-10	14	2082	7104	1791	1.68	5.72	1242	5.02	64.95

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

-35	-31	372	1271	320	0.63	2.14	595	3.02	13.07
-30	-22	551	1881	474	0.76	2.59	726	3.42	19.46
-25	-13	765	2611	658	0.89	3.04	858	3.83	27.20
-20	-4	1017	3469	874	1.02	3.49	994	4.25	36.44
-15	5	1308	4463	1125	1.15	3.92	1139	4.70	47.36
-10	14	1642	5603	1412	1.27	4.32	1297	5.19	60.17