Model
GS26CLX

Sales code:
107B0505

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)	208-230 V/60 Hz	208-230 V/60 Hz
Number of phases	1	1
Voltage range	187-254 V	187-254 V
Approvals	UL	UL
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

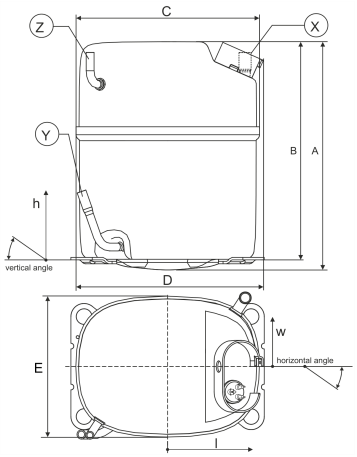
Oil type	**POE**	Motor protection	**internal**
Oil viscosity	**32,5cSt**	Winding resistance main	**1.5 Ohm**
Oil quantity	**902 cm3 / 30.50fl.oz**	Winding resistance aux	**5.8 Ohm**
Free gas volume comp.	**3,220 cm3 / 108.88fl.oz**	Max. discharge temp.	**130°C / 266°F**

Compressor Dimensions

Housing

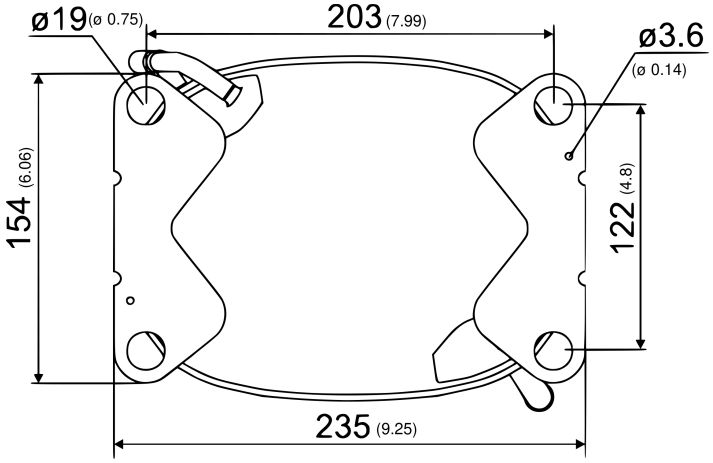
A Height	**279mm / 10.98in**
B Height	**267mm / 10.51in**
C Length shell	**224mm / 8.82in**
D Length w. cover	**232mm / 9.13in**
E Width	**173mm / 6.81in**

Find 3D Model here



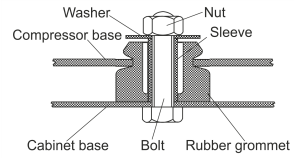
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 12.75–13.05 / 0.50–0.51in	øi 8.15–8.25 / 0.32–0.32in	øi 6.4–6.6 / 0.25–0.26in
Material	CU	CU	CU
Horizontal angle ±2°	0°	0°	0°
Vertical angle ±2°	90°	71°	90°
Position l/h/w [mm]	-94.5/234/-84 / -3.72/9.21/-3.31in	-105/84/-84 / -4.13/3.31/-3.31in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



Dimensions in mm [in]

Bolt joint



	one comp.	multi pack
Bolt joint | M8 | ø19mm	107B9150	–

Model
GS26CLX Configuration 1

Sales code:
107B0505

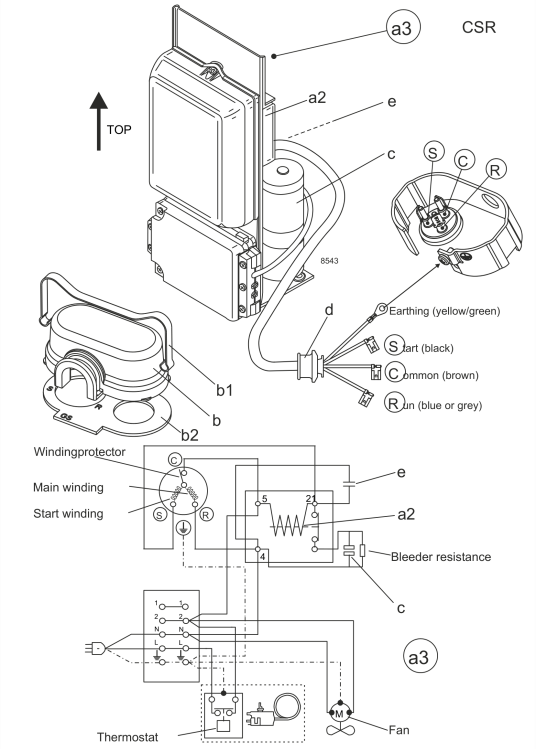
Configuration

Motor configuration	**CSCR**
Power supply (nominal)	**208-230 V/60 Hz 1~**
Refrigerant	**R404A**
Application	**LBP**
Voltage range	**187-254 V**
Starting torque	**HST**
Approvals	**UL**
Starting device type	**relay**
Run capacitor	**20 µF**
Start capacitor	**100 µF**
LRA (locked rotor amps / 4s/ U(N))	**46 A**
RLA (rated load amps / 1s/ U(N))	**11 A**
Cut in current (U(N))	**46 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

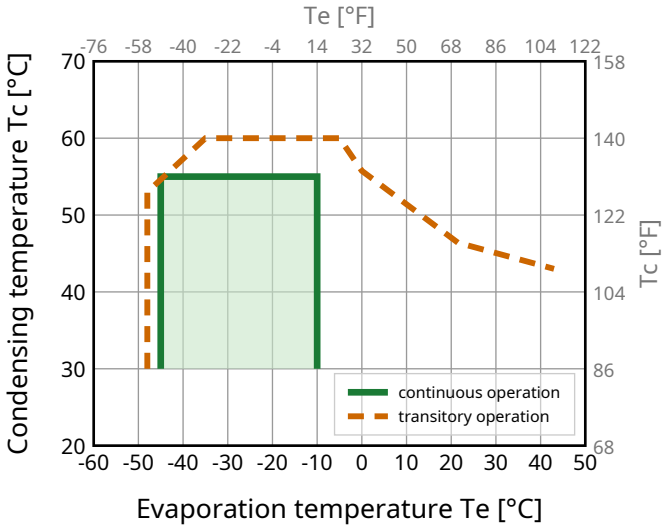
Electrical Accessories / Wiring Diagram

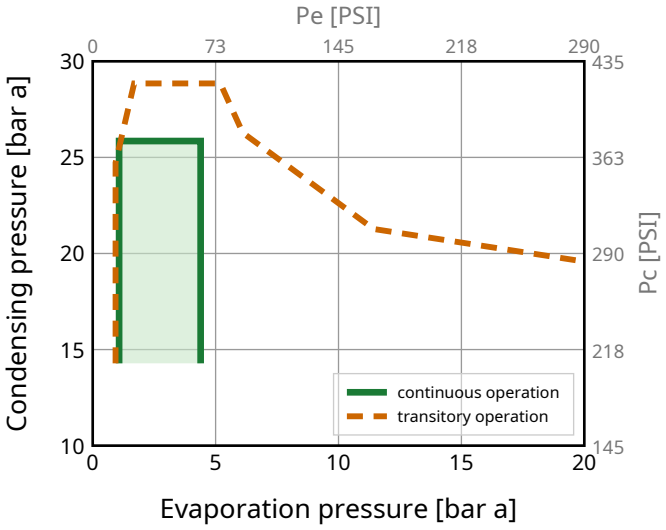


View full size

Components (cover, clamp, gasket: pre assembled)
a3 GS starter kit (600mm) 117-7073
107B9106
b2 gasket 107B9100
b1 clamp 107B9104

Operation Pressure Range





Model
GS26CLX Configuration 1

Sales code:
107B0505

Standard Conditions

R404A, 220 V/60 Hz, CSCR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	ṁ	
[°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	**1425**	4861	1225	**1.21**	4.14	1173	5.07	33.12	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**963**	3287	829	**0.86**	2.93	1123	4.86	30.04	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**834**	2844	717	**1.00**	3.41	835	3.84	22.59	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**1087**	3708	935	**0.94**	3.20	1159	5.04	38.35	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**1687**	5756	1451	**1.50**	5.12	1123	4.92	39.21	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**755**	2576	649	**0.89**	3.03	851	3.86	20.13	**opt LBP**

Performance Tables

R404A, 220 V/60 Hz, CSCR, fan 3m/s

pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-45	-49	**354**	1206	304	**0.51**	1.74	695	3.11	9.37
-40	-40	**544**	1855	467	**0.71**	2.44	761	3.47	14.45
-35	-31	**755**	2576	649	**0.89**	3.03	851	3.86	20.13
-30	-22	**997**	3401	857	**1.03**	3.53	964	4.29	26.70
-25	-13	**1279**	4364	1100	**1.17**	3.98	1096	4.80	34.42
-20	-4	**1611**	5495	1385	**1.29**	4.40	1247	5.41	43.61
-15	5	**2002**	6829	1721	**1.42**	4.83	1414	6.14	54.57
-10	14	**2461**	8397	2116	**1.54**	5.27	1594	7.03	67.66

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

-45	-49	**179**	609	154	**0.25**	0.86	706	2.94	5.47
-40	-40	**348**	1188	299	**0.45**	1.54	773	3.35	10.70
-35	-31	**529**	1805	455	**0.61**	2.08	866	3.79	16.32
-30	-22	**731**	2494	629	**0.74**	2.54	983	4.29	22.66
-25	-13	**963**	3287	829	**0.86**	2.93	1123	4.86	30.04
-20	-4	**1236**	4217	1063	**0.96**	3.29	1282	5.53	38.81
-15	5	**1558**	5315	1340	**1.07**	3.64	1460	6.34	49.31
-10	14	**1939**	6615	1667	**1.17**	4.00	1653	7.30	61.97

Model
GS26CLX Configuration 2

Sales code:
107B0505

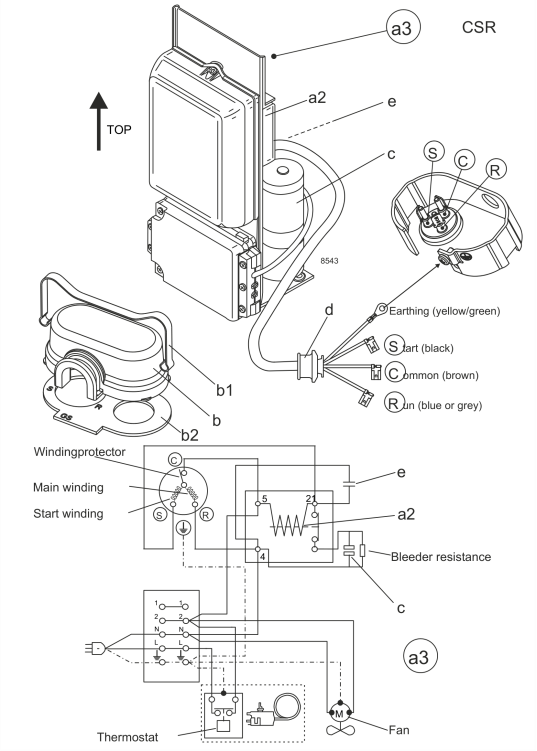
Configuration

Motor configuration	**CSCR**
Power supply (nominal)	**208-230 V/60 Hz 1~**
Refrigerant	**R452A**
Application	**LBP**
Voltage range	**187-254 V**
Starting torque	**HST**
Approvals	**UL**
Starting device type	**relay**
Run capacitor	**20 µF**
Start capacitor	**100 µF**
LRA (locked rotor amps / 4s/ U(N))	**46 A**
RLA (rated load amps / 1s/ U(N))	**11 A**
Cut in current (U(N))	**46 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



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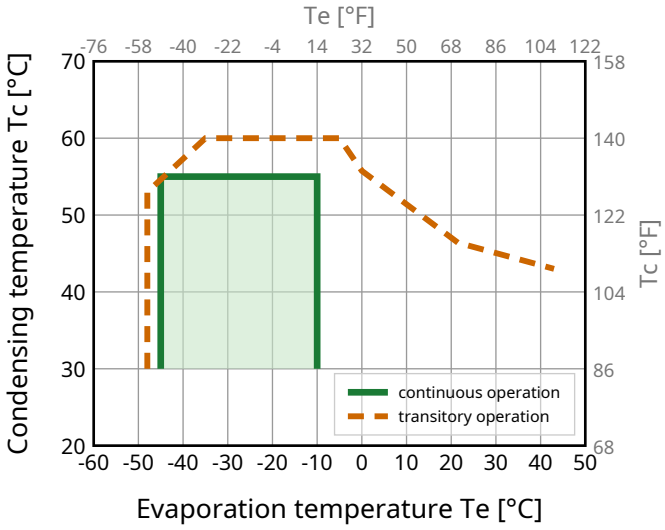
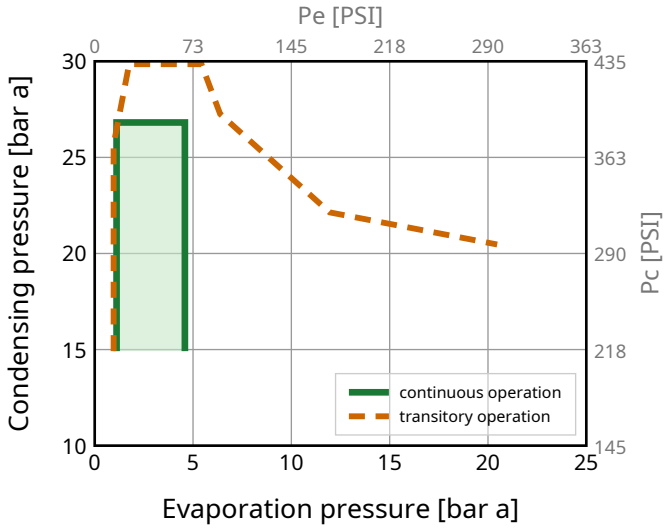
Components (cover, clamp, gasket: pre assembled)
a3 GS starter kit (600mm) 117-7073
107B9106
b2 gasket 107B9100
b1 clamp 107B9104

Operation Pressure Range





Model
GS26CLX Configuration 2

Sales code:
107B0505

Standard Conditions

R452A, 220 V/60 Hz, CSCR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	ṁ	
[°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	**1323**	4513	1138	**1.22**	4.15	1089	5.14	32.01	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**898**	3066	773	**0.86**	2.95	1038	4.91	28.98	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**750**	2560	645	**0.98**	3.33	769	3.71	21.13	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**1016**	3466	874	**0.94**	3.21	1078	5.09	37.07	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**1565**	5338	1346	**1.49**	5.10	1048	4.96	37.86	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**682**	2328	587	**0.88**	2.99	780	3.76	18.91	**opt LBP**

Performance Tables

R452A, 220 V/60 Hz, CSCR, fan 3m/s

pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-45	-49	**288**	984	248	**0.46**	1.58	624	3.13	7.94
-40	-40	**476**	1625	410	**0.69**	2.35	691	3.38	13.15
-35	-31	**682**	2328	587	**0.88**	2.99	780	3.76	18.91
-30	-22	**916**	3125	788	**1.03**	3.51	890	4.24	25.48
-25	-13	**1185**	4044	1019	**1.16**	3.97	1019	4.83	33.14
-20	-4	**1500**	5116	1290	**1.29**	4.39	1166	5.50	42.17
-15	5	**1868**	6372	1606	**1.40**	4.79	1330	6.26	52.89
-10	14	**2298**	7842	1977	**1.52**	5.20	1509	7.10	65.62

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

-45	-49	**160**	547	138	**0.26**	0.88	623	3.11	5.08
-40	-40	**319**	1089	275	**0.46**	1.57	692	3.38	10.15
-35	-31	**489**	1669	421	**0.62**	2.13	785	3.77	15.62
-30	-22	**679**	2318	584	**0.75**	2.57	901	4.29	21.79
-25	-13	**898**	3066	773	**0.86**	2.95	1038	4.91	28.98
-20	-4	**1155**	3942	993	**0.97**	3.30	1196	5.64	37.52
-15	5	**1459**	4977	1254	**1.06**	3.63	1372	6.46	47.76
-10	14	**1818**	6201	1563	**1.16**	3.96	1566	7.37	60.07