

Model
GS26MLX

Sales code:
107B0503

Compressor Data

Refrigerant(s)	R404A / R452A
Refr. charge - tech. limit	2000g / 70.55oz
Weight	21.40 kg / 47.18lbs
Displacement	26.30 cm³ / 1.60cu.in
Compressors on pallet	48



General - Configurations With GS26MLX

-	Conf. 1	Conf. 2	Conf. 3	Conf. 4
Motor configuration	CSCR	CSCR	CSCR	CSCR
Power supply (nominal)	220-240 V/50 Hz	220-240 V/50 Hz	220-240 V/50 Hz	220-240 V/50 Hz
Number of phases	1	1	1	1
Voltage range	198-254 V	198-254 V	198-254 V	198-254 V
Approvals	VDE, CCC, EAC	VDE, CCC, EAC	-	-
Starting torque	HST	HST	HST	HST
Refrigerant	R404A	R452A	R448A	R449A
Application	MBP	MBP	MBP	MBP
Hot gas defrost	OK	OK	OK	OK
Long interval pull down	OK	OK	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

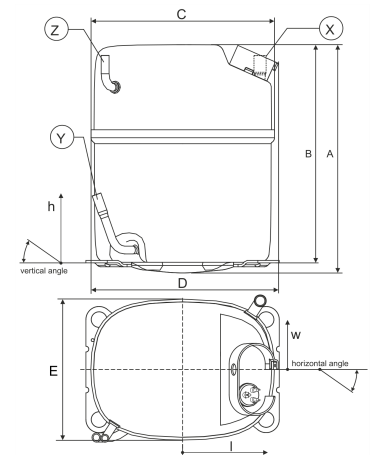
Oil type	POE	Motor protection	internal
Oil viscosity	32,5cSt	Winding resistance main	1.800 Ohm
Oil quantity	902 / 30.50fl.oz	Winding resistance aux	8.10 Ohm
Free gas volume comp.	3,670 cm ³ / 124.10fl.oz	Max. discharge temp.	120°C / 248°F

Compressor Dimensions

Housing

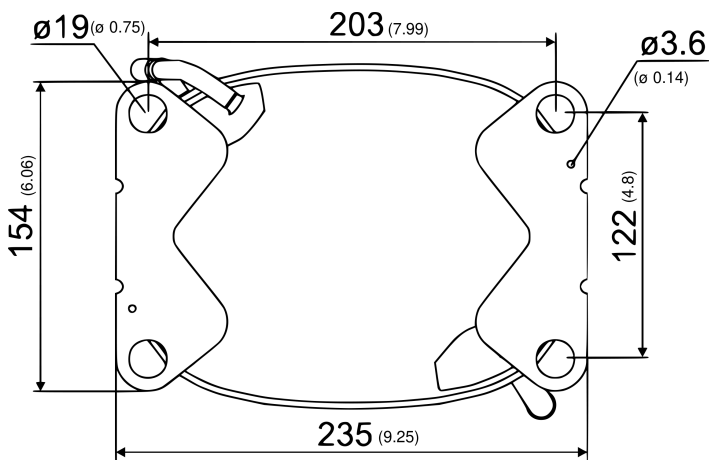
A Height	279mm / 10.98in
B Height	267mm / 10.51in
C Length shell	224mm / 8.82in
D Length w. cover	232mm / 9.13in
E Width	173mm / 6.81in

[Find 3D Model here](#)

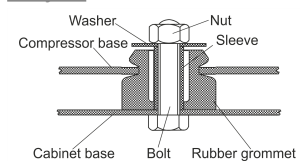


Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 16.03–16.13 / 0.63–0.64in	øi 9.63–9.73 / 0.38–0.38in	øi 6.4–6.6 / 0.25–0.26in
Material	CU	CU	CU
Horizontal angle ±2°	0°	0°	0°
Vertical angle ±2°	90°	71°	90°
Position l/h/w [mm]	-94.5/234/-84 / -3.72/9.21/-3.31in	-105/84/-84 / -4.13/3.31/-3.31in	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	-

Model
GS26MLX

Configuration 1

Sales code:
107B0503

Configuration

Motor configuration	CSCR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R404A
Application	MBP
Voltage range	198-254 V
Starting torque	HST
Approvals	VDE, CCC, EAC
Starting device type	relay
Run capacitor	15 μF
Start capacitor	80 μF
LRA (locked rotor amps / 4s/ U(N))	35 A
RLA (rated load amps / 1s/ U(N))	6.4 A
Cut in current (U(N))	35 A

Ambient/ machine room temperatures minimum /maximum

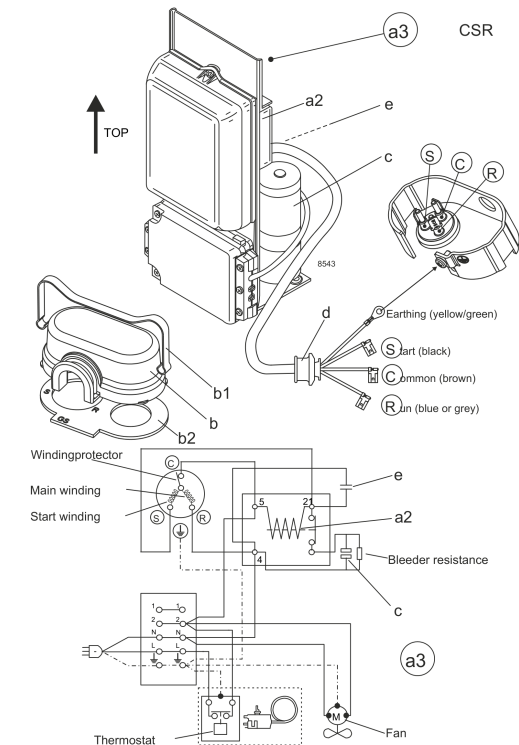
Ambient temperature range: 10 - 38°C / 50 - 100°F

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)

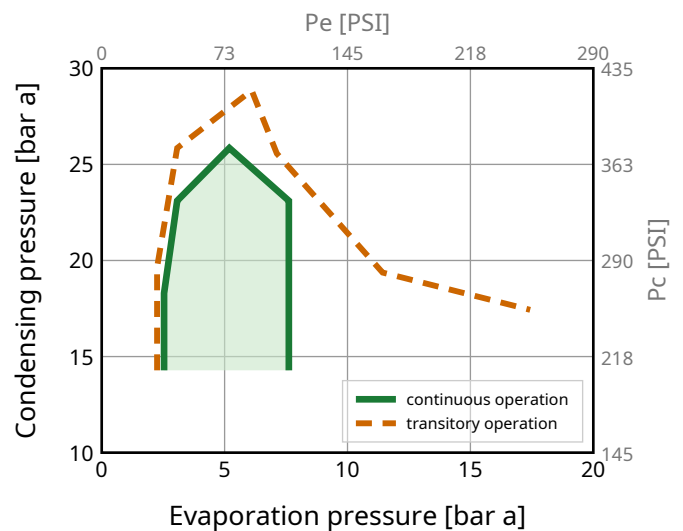
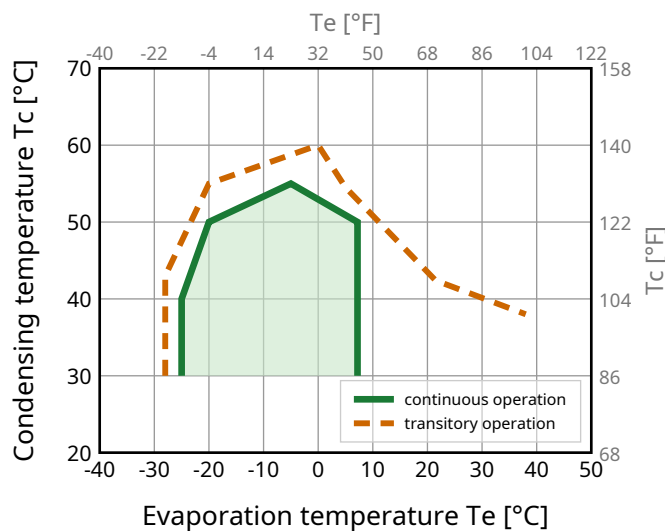
a3 GS starter kit (600mm) 117-7072

b cover 107B9101

b2 gasket 107B9100

b1 clamp 107B9104

Operation Pressure Range



Model
GS26MLX

Configuration 1

Sales code:
107B0503

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]	
-6.7 20	54.4 129.9	35 95	46.1 115	2392	8162	2057	1.72	5.87	1392	6.81	65.71	ASHRAE MBP
-10 14	55 131	32 89.6	55 131	1779	6071	1530	1.36	4.63	1312	6.45	56.87	CECOMAF MBP
-10 14	45 113	20 68	45 113	2124	7248	1827	1.75	5.97	1213	6.05	63.88	EN12900 MBP
-6.7 20	48.8 119.8	18.3 64.9	48.8 119.8	2205	7523	1896	1.66	5.67	1326	6.56	71.85	ARI540 MBP
-10 14	45 113	32 89.6	45 113	2254	7690	1938	1.86	6.34	1213	6.05	61.96	opt MBP
-23.3 -10	45 113	32.2 90	32.2 90	1393	4752	1198	1.52	5.19	915	4.75	32.38	opt LBP

Performance Tables

R404A, 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]
-25	-13	1093	3730	940	1.25	4.27	873	4.58	29.42
-20	-4	1426	4867	1227	1.44	4.90	993	5.07	38.62
-15	5	1810	6177	1557	1.64	5.59	1105	5.56	49.37
-10	14	2254	7690	1938	1.86	6.34	1213	6.05	61.96
-5	23	2764	9432	2377	2.10	7.15	1319	6.55	76.75
0	32	3351	11434	2882	2.35	8.03	1424	7.06	94.10
5	41	4022	13722	3459	2.62	8.95	1532	7.57	114.47
7.2	45	4346	14827	3737	2.75	9.38	1581	7.80	124.52

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

-25	-13	822	2806	707	0.93	3.18	882	4.70	25.65
-20	-4	1103	3763	948	1.07	3.64	1034	5.28	34.63
-15	5	1419	4842	1220	1.21	4.11	1177	5.86	44.92
-10	14	1779	6071	1530	1.36	4.63	1312	6.45	56.87
-5	23	2192	7479	1885	1.52	5.18	1443	7.04	70.86
0	32	2665	9094	2292	1.70	5.78	1572	7.64	87.31
5	41	3208	10944	2758	1.89	6.44	1701	8.25	106.75
7.2	45	3470	11840	2984	1.97	6.74	1758	8.51	116.40

Model
GS26MLX

Configuration 2

Sales code:
107B0503

Configuration

Motor configuration	CSCR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R452A
Application	MBP
Voltage range	198-254 V
Starting torque	HST
Approvals	VDE, CCC, EAC
Starting device type	relay
Run capacitor	15 μF
Start capacitor	80 μF
LRA (locked rotor amps / 4s/ U(N))	35 A
RLA (rated load amps / 1s/ U(N))	6.4 A
Cut in current (U(N))	35 A

Ambient/ machine room temperatures minimum /maximum

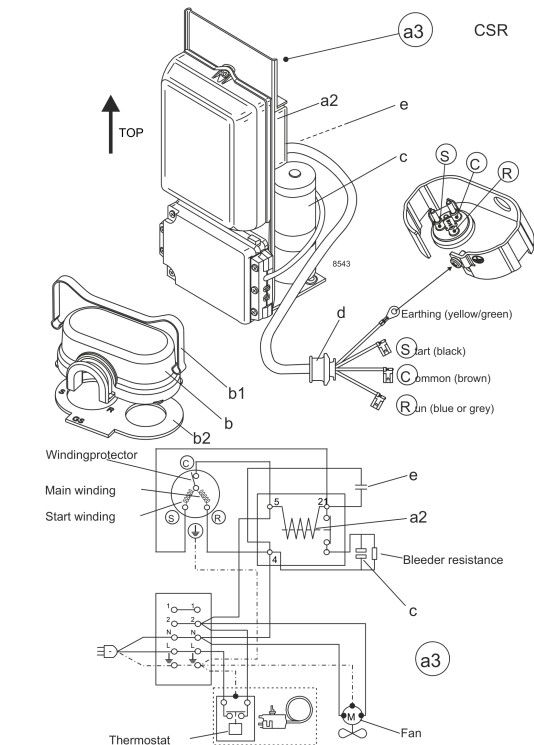
Ambient temperature range: 10 - 38°C / 50 - 100°F

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)

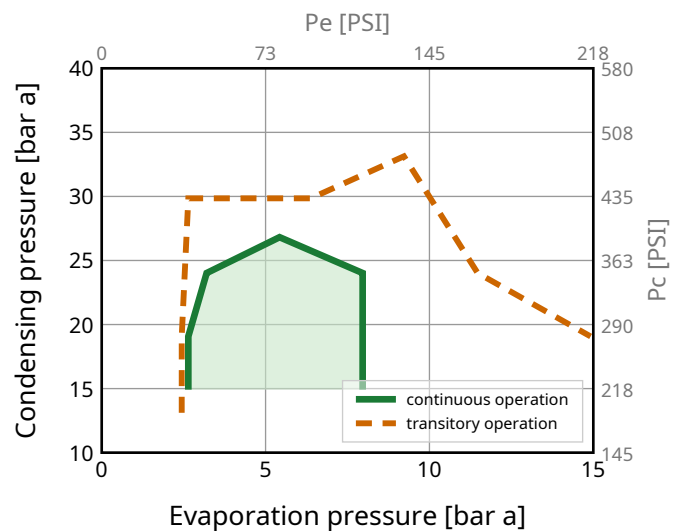
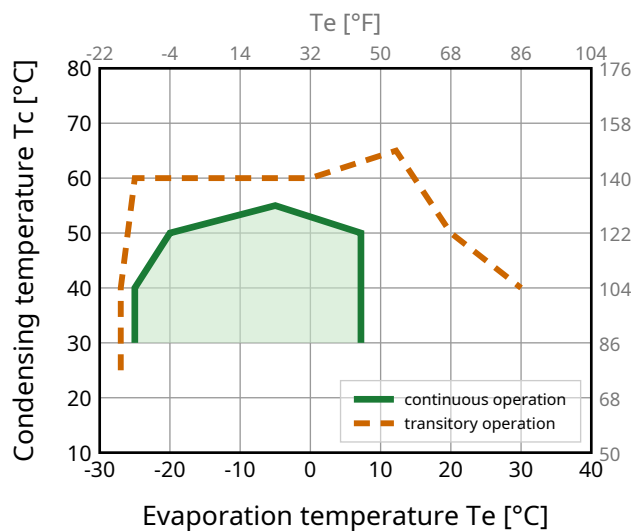
a3 GS starter kit (600mm) 117-7072

b cover 107B9101

b2 gasket 107B9100

b1 clamp 107B9104

Operation Pressure Range



Model
GS26MLX

Configuration 2

Sales code:
107B0503

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]	
-6.7 20	54.4 129.9	35 95	46.1 115	2187	7463	1881	1.66	5.65	1322	6.53	62.40	ASHRAE MBP
-10 14	55 131	32 89.6	55 131	1642	5601	1412	1.33	4.54	1234	6.14	54.26	CECOMAF MBP
-10 14	45 113	20 68	45 113	1989	6785	1710	1.75	5.99	1133	5.70	62.03	EN12900 MBP
-6.7 20	48.8 119.8	18.3 64.9	48.8 119.8	2043	6969	1757	1.63	5.56	1253	6.22	68.94	ARI540 MBP
-10 14	45 113	32 89.6	45 113	2108	7191	1812	1.86	6.35	1133	5.70	60.17	opt MBP
-23.3 -10	45 113	32.2 90	32.2 90	1305	4454	1123	1.57	5.34	833	4.38	31.59	opt LBP

Performance Tables

R452A, 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]
-25	-13	1012	3452	870	1.27	4.33	798	4.22	28.28
-20	-4	1355	4625	1166	1.50	5.11	905	4.69	38.12
-15	5	1714	5847	1474	1.69	5.75	1017	5.19	48.53
-10	14	2108	7191	1812	1.86	6.35	1133	5.70	60.17
-5	23	2558	8728	2200	2.04	6.97	1251	6.22	73.74
0	32	3086	10529	2654	2.25	7.68	1371	6.74	89.97
5	41	3712	12667	3193	2.49	8.51	1489	7.26	109.71
7.2	45	4025	13733	3461	2.61	8.92	1540	7.49	119.74

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

-25	-13	775	2646	667	0.97	3.32	796	4.21	25.02
-20	-4	1047	3573	901	1.11	3.80	941	4.85	34.02
-15	5	1329	4535	1143	1.22	4.17	1087	5.50	43.51
-10	14	1642	5601	1412	1.33	4.54	1234	6.14	54.26
-5	23	2006	6845	1725	1.46	4.96	1379	6.78	67.05
0	32	2444	8339	2102	1.61	5.48	1521	7.41	82.77
5	41	2976	10153	2559	1.79	6.12	1659	8.01	102.36
7.2	45	3245	11072	2791	1.89	6.45	1718	8.27	112.50

Model
GS26MLX

Configuration 3

Sales code:
107B0503

Configuration

Motor configuration	CSCR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R448A
Application	MBP
Voltage range	198-254 V
Starting torque	HST
Approvals	VDE, CCC, EAC
Starting device type	relay
Run capacitor	15 μF
Start capacitor	80 μF
LRA (locked rotor amps / 4s/ U(N))	35 A
RLA (rated load amps / 1s/ U(N))	6.4 A
Cut in current (U(N))	35 A

Ambient/ machine room temperatures minimum /maximum

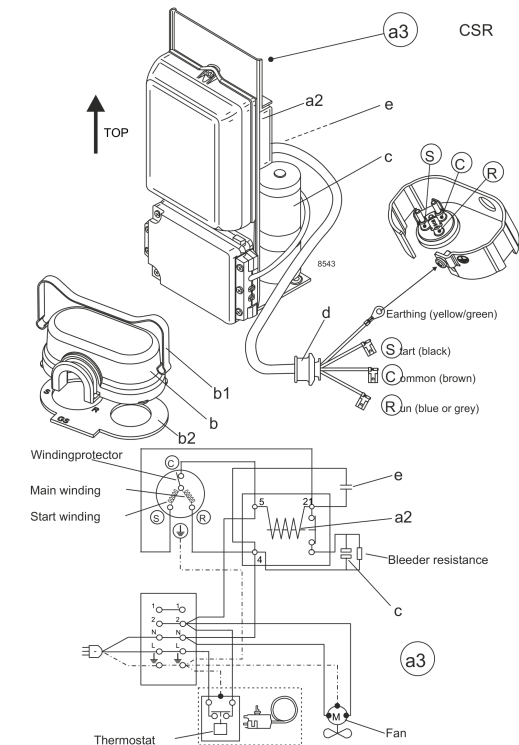
Ambient temperature range: 10 - 38°C / 50 - 100°F

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)

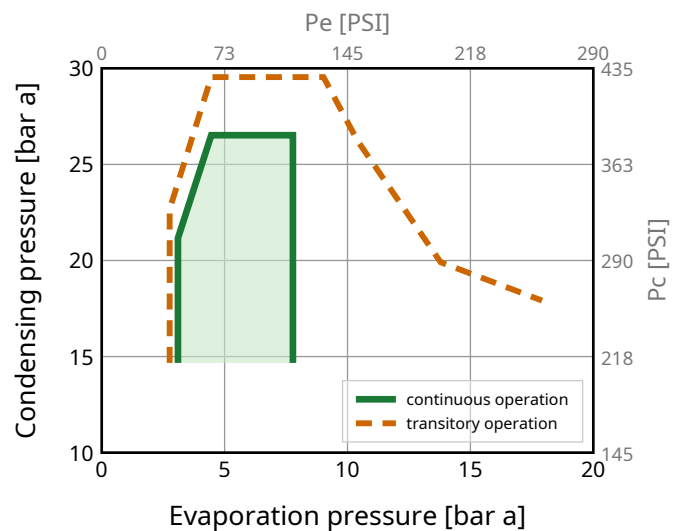
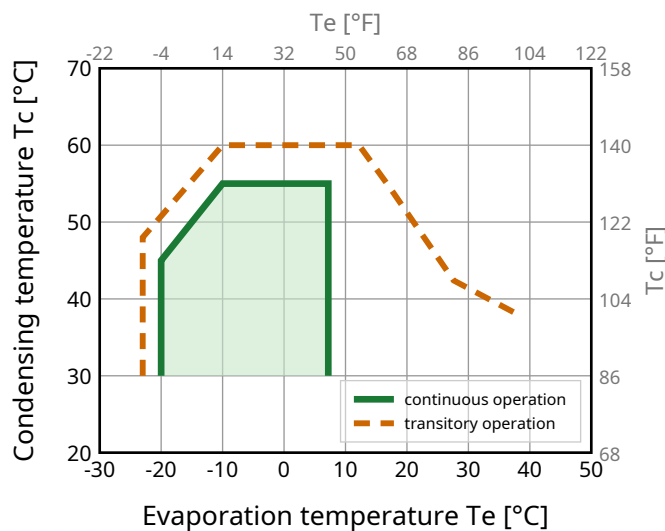
a3 GS starter kit (600mm) 117-7072

b cover 107B9101

b2 gasket 107B9100

b1 clamp 107B9104

Operation Pressure Range



Model
GS26MLX

Configuration 3

Sales code:
107B0503

Standard Conditions

R448A, 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	2178	7432	1873	1.77	6.04	1230	6.11	48.21	ASHRAE MBP
-10 14	55 131	32 89.6	55 131	1663	5673	1430	1.44	4.91	1155	5.79	41.31	CECOMAF MBP
-10 14	45 113	20 68	45 113	1958	6682	1684	1.82	6.22	1074	5.44	46.48	EN12900 MBP
-6.7 20	48.8 119.8	18.3 64.9	48.8 119.8	2087	7119	1794	1.77	6.05	1176	5.88	52.73	ARI540 MBP
-10 14	45 113	32 89.6	45 113	2037	6951	1752	1.90	6.47	1074	5.44	45.09	opt MBP
-23.3 -10	45 113	32.2 90	32.2 90	1171	3995	1007	1.48	5.06	790	4.22	22.57	opt LBP

Performance Tables

R448A, 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]
-20	-4	1248	4259	1074	1.45	4.93	864	4.54	27.25
-15	5	1612	5499	1386	1.66	5.66	971	5.00	35.40
-10	14	2037	6951	1752	1.90	6.47	1074	5.44	45.09
-5	23	2535	8648	2180	2.16	7.36	1175	5.87	56.59
0	32	3113	10622	2677	2.44	8.33	1275	6.31	70.22
5	41	3782	12904	3253	2.75	9.37	1377	6.74	86.36
7.2	45	4108	14015	3532	2.89	9.85	1423	6.94	94.36

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

-20	-4	993	3387	854	1.11	3.78	896	4.67	24.28
-15	5	1303	4444	1120	1.27	4.32	1029	5.25	32.09
-10	14	1663	5673	1430	1.44	4.91	1155	5.79	41.31
-5	23	2082	7105	1791	1.63	5.56	1278	6.32	52.25
0	32	2571	8773	2211	1.84	6.28	1397	6.83	65.26
5	41	3138	10709	2699	2.07	7.06	1516	7.34	80.76
7.2	45	3415	11653	2937	2.18	7.43	1569	7.57	88.48

Model
GS26MLX

Configuration 4

Sales code:
107B0503

Configuration

Motor configuration	CSCR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R449A
Application	MBP
Voltage range	198-254 V
Starting torque	HST
Approvals	VDE, CCC, EAC
Starting device type	relay
Run capacitor	15 μF
Start capacitor	80 μF
LRA (locked rotor amps / 4s/ U(N))	35 A
RLA (rated load amps / 1s/ U(N))	6.4 A
Cut in current (U(N))	35 A

Ambient/ machine room temperatures minimum /maximum

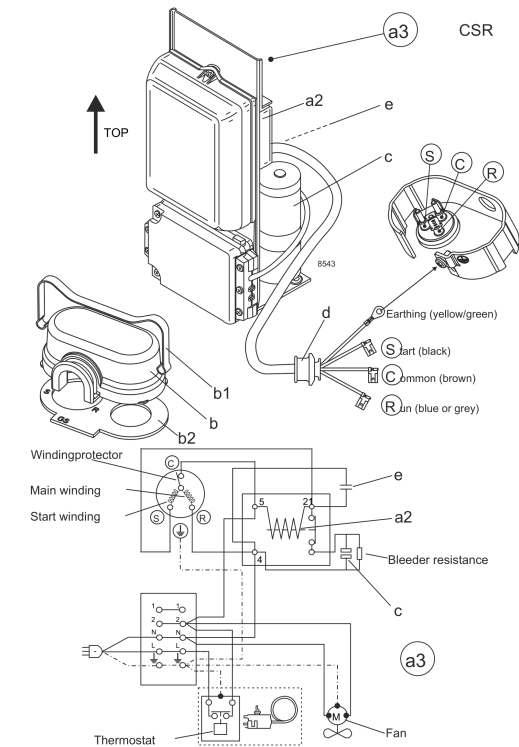
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System Cooling

fan 3m/s

Electrical Accessories / Wiring Diagram



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Components (cover, clamp, gasket: pre assembled)

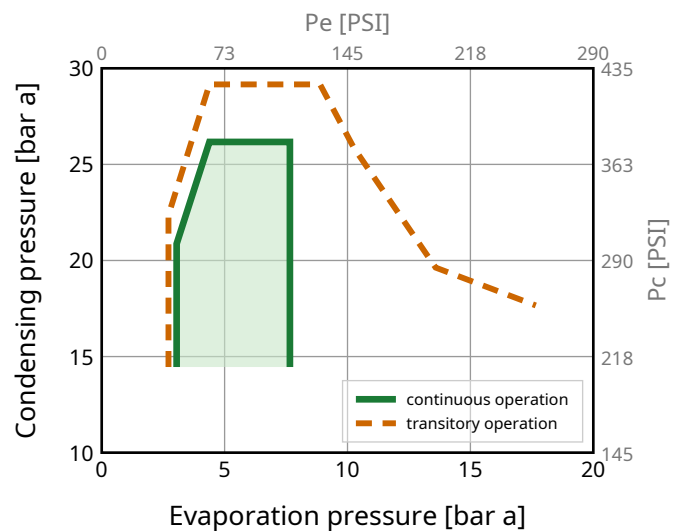
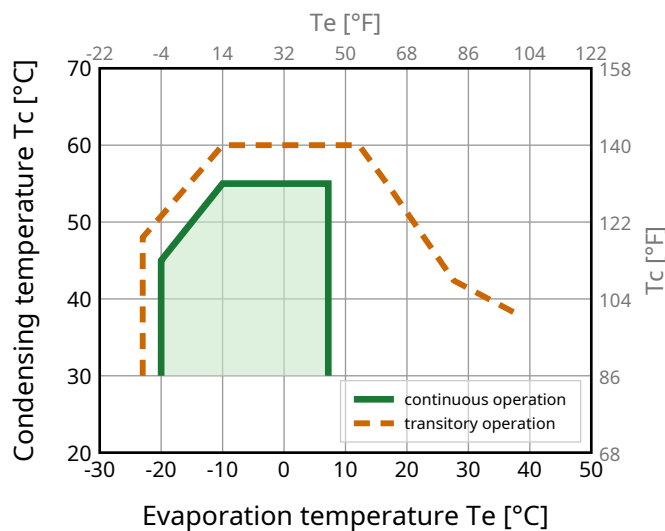
a3 GS starter kit (600mm) 117-7072

b cover 107B9101

b2 gasket 107B9100

b1 clamp 107B9104

Operation Pressure Range



Model
GS26MLX

Configuration 4

Sales code:
107B0503

Standard Conditions

R449A, 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	2166	7389	1863	1.77	6.04	1224	6.08	48.42	ASHRAE MBP
-10 14	55 131	32 89.6	55 131	1652	5636	1421	1.44	4.90	1149	5.76	41.50	CECOMAF MBP
-10 14	45 113	20 68	45 113	1946	6641	1674	1.82	6.21	1069	5.42	46.71	EN12900 MBP
-6.7 20	48.8 119.8	18.3 64.9	48.8 119.8	2072	7070	1782	1.77	6.04	1170	5.85	52.97	ARI540 MBP
-10 14	45 113	32 89.6	45 113	2026	6913	1743	1.90	6.47	1069	5.42	45.31	opt MBP
-23.3 -10	45 113	32.2 90	32.2 90	1167	3982	1004	1.48	5.05	788	4.21	22.71	opt LBP

Performance Tables

R449A, 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]
-20	-4	1243	4240	1069	1.44	4.92	861	4.53	27.41
-15	5	1604	5471	1379	1.66	5.66	967	4.98	35.59
-10	14	2026	6913	1743	1.90	6.47	1069	5.42	45.31
-5	23	2520	8598	2167	2.16	7.36	1169	5.85	56.84
0	32	3094	10558	2661	2.44	8.33	1268	6.28	70.52
5	41	3758	12823	3232	2.75	9.37	1369	6.71	86.70
7.2	45	4081	13925	3510	2.89	9.85	1414	6.90	94.72

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

-20	-4	987	3368	849	1.11	3.77	893	4.66	24.42
-15	5	1295	4418	1113	1.26	4.31	1024	5.23	32.26
-10	14	1652	5636	1421	1.44	4.90	1149	5.76	41.50
-5	23	2068	7056	1779	1.63	5.55	1270	6.28	52.47
0	32	2553	8710	2195	1.84	6.27	1388	6.79	65.52
5	41	3115	10629	2679	2.07	7.06	1505	7.29	81.06
7.2	45	3390	11565	2915	2.18	7.43	1556	7.51	88.80