Model
KLF6.6GFHX

Sales code:
106G6712

Compressor Data

Refrigerant(s)	**R134a / R513A**
Refr. charge - tech. limit	**300g / 10.58oz**
Weight	**9.20 kg / 20.28lbs**
Displacement	**6.60 cm3 / 0.40cu.in**
Compressors on pallet	**100**



General – Configurations With KLF6.6GFHX

–	**Conf. 1**
Motor configuration	CSIR
Power supply (nominal)	115-120 V/60 Hz
Number of phases	1
Voltage range	103-135 V
Approvals	UL
Starting torque	HST
Refrigerant	R134a
Application	LBP+MBP+HBP
Hot gas defrost	OK
Long interval pull down	OK

Application Notes

- Electrical equipment is included and pre-assembled to compressor.
- Provision for PE Grounding is located at the PE Stamp on the compressor

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Compressor Design

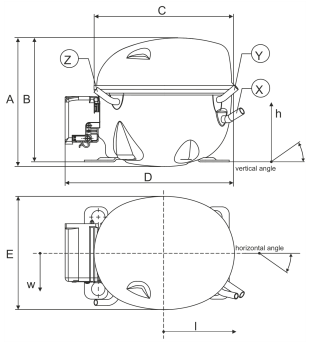
Oil type	**POE**	Winding resistance main	**2 Ohm**
Oil viscosity	**9,7cSt**	Winding resistance aux	**8.5 Ohm**
Oil quantity	**173 cm3 / 5.85fl.oz**	Max. winding temp.	**125 °C**
Free gas volume comp.	**1,580 cm3 / 53.43fl.oz**	Max. discharge temp.	**130°C / 266°F**
Motor protection	**external**		

Compressor Dimensions

Housing

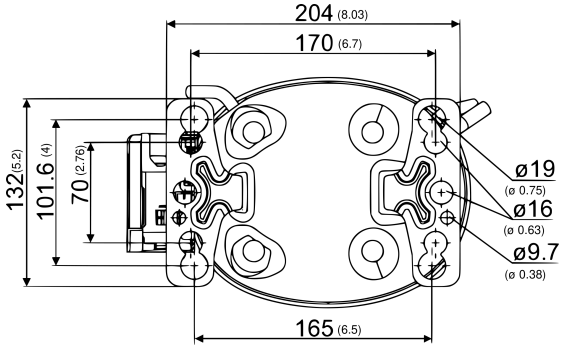
A Height	**182mm / 7.17in**
B Height	**175mm / 6.89in**
C Length shell	**198mm / 7.80in**
D Length w. cover	**238mm / 9.37in**
E Width	**160mm / 6.30in**

Find 3D Model here



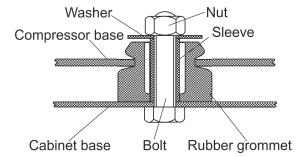
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 8.11–8.29 / 0.32–0.33in	øi 6.41–6.59 / 0.25–0.26in	øi 6.41–6.59 / 0.25–0.26in
Material	CU	CU	CU
Horizontal angle ±2°	35°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	119/73/59 / 4.69/2.87/2.32in	117/107/66 / 4.61/4.21/2.60in	-88/101/71 / -3.46/3.98/2.80in
Straight tube l. [mm]	13.5 / 0.53in	13.5 / 0.53in	13.5 / 0.53in

Mounting Accessories

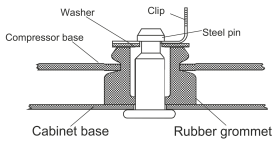


Dimensions in mm [in]

Bolt joint



Snap-on



	one comp.	multi pack
Bolt joint | M6 | ø16mm	118-1917	118-1918
Bolt joint | ø1/4" | ø16mm	118-1946	–
Bolt joint | ø1/4" | ø19mm	118-1949	–
Snap-on | ø7,3 | ø16mm	118-1947	118-1919

Model
KLF6.6GFHX Configuration 1

Sales code:
106G6712

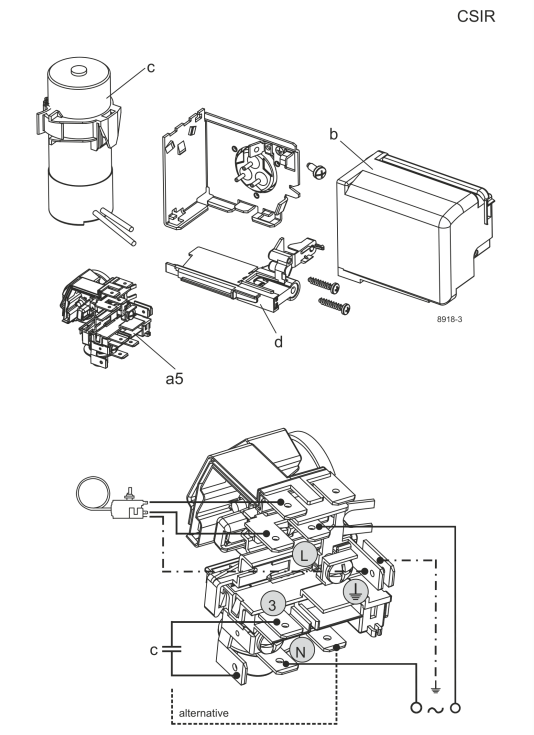
Configuration

Motor configuration	**CSIR**
Power supply (nominal)	**115-120 V/60 Hz 1~**
Refrigerant	**R134a**
Application	**LBP+MBP+HBP**
Voltage range	**103-135 V**
Starting torque	**HST**
Approvals	**UL**
Starting device type	**relay**
Run capacitor	**-/-**
Start capacitor	**240 µF**
LRA (locked rotor amps / 4s/ U(N))	**29.6 A**
RLA (rated load amps / 1s/ U(N))	**4.3 A**
Cut in current (U(N))	**27.5 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

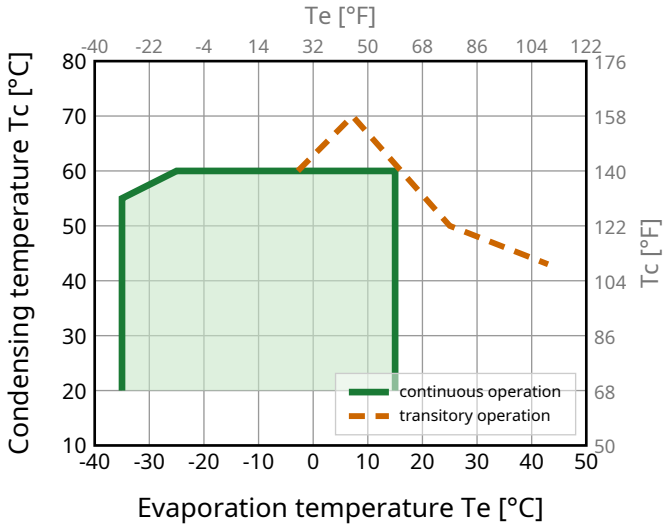


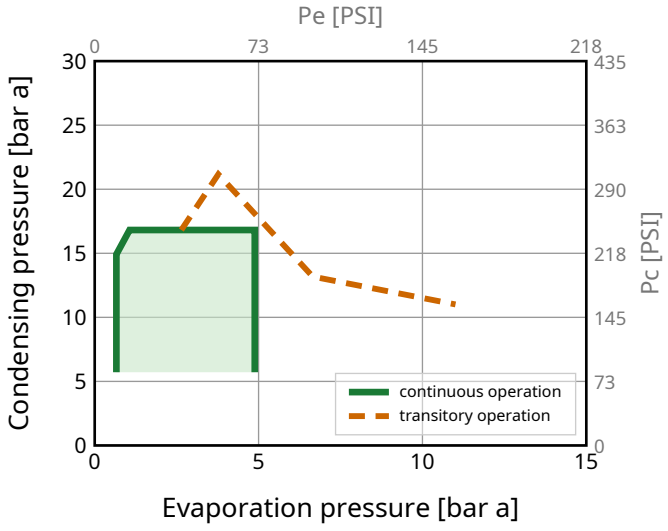
View full size

Components (already pre-assembled)
a5 current relay (T1246/L6) 117U7080
c start capacitor (240µF) 117U5002
b, d cover + clamp + screws (5VA-compl.) 103N0600

Alternative components
b, d 100x cover + clamp + screws (5VA) 103N2060
b, d cover + clamp + screws (5VA) in bag 103N1060

Operation Pressure Range





Model Sales code:

KLF6.6GFHX Configuration 1 **106G6712**

Standard Conditions

R134a, 120 V/60 Hz, CSIR, 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	**243**	828	209	**1.44**	4.91	169	2.39	4.71	**ASHRAE LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**498**	1700	428	**2.00**	6.81	250	2.90	10.85	**ASHRAE MBP**
7.2 45	54.4 129.9	35 95	46.1 115	**867**	2958	746	**2.72**	9.29	318	3.33	19.19	**ASHRAE HBP**
-35 -31	40 104	20 68	40 104	**119**	405	102	**1.03**	3.52	115	2.02	2.60	**EN12900 LBP**
-10 14	45 113	20 68	45 113	**430**	1467	370	**2.02**	6.89	213	2.67	10.03	**EN12900 MBP**
5 41	50 122	20 68	50 122	**737**	2513	633	**2.53**	8.63	291	3.16	18.48	**EN12900 HBP**

Performance Tables

R134a, 120 V/60 Hz, CSIR, 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]
-35	-31	**108**	367	93	**0.91**	3.10	118	2.05	2.32
-30	-22	**156**	532	134	**1.16**	3.97	134	2.16	3.36
-20	-4	**278**	947	239	**1.62**	5.53	171	2.41	6.02
-10	14	**445**	1520	383	**2.09**	7.14	213	2.67	9.73
0	32	**674**	2299	579	**2.66**	9.08	253	2.92	14.87
10	50	**977**	3335	841	**3.40**	11.60	287	3.14	21.88
15	59	**1162**	3964	999	**3.87**	13.20	300	3.23	26.25

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

-35	-31	**77**	262	66	**0.61**	2.08	126	2.10	1.82
-30	-22	**124**	422	106	**0.87**	2.97	142	2.22	2.94
-20	-4	**238**	810	204	**1.29**	4.39	184	2.49	5.68
-10	14	**390**	1330	335	**1.67**	5.68	234	2.80	9.39
0	32	**595**	2029	511	**2.08**	7.11	285	3.12	14.50
10	50	**867**	2959	746	**2.60**	8.87	334	3.44	21.48
15	59	**1033**	3525	889	**2.91**	9.94	354	3.58	25.86