

Model
KLE4.0GFMX

Sales code:
106G6403

Compressor Data

Refrigerant(s)	R134a / R513A
Refr. charge - tech. limit	300g / 10.58oz
Weight	8.30 kg / 18.30lbs
Displacement	4.00 cm3 / 0.24cu.in
Compressors on pallet	100



General - Configurations With KLE4.0GFMX

-	Conf. 1
Motor configuration	CSIR
Power supply (nominal)	100 V/50 Hz
Number of phases	1
Voltage range	90-110 V
Approvals	UL, CCC, CB
Starting torque	HST
Refrigerant	R513A
Application	MBP
Hot gas defrost	OK
Long interval pull down	OK

Application Notes

- Provision for PE Grounding is located at the PE Stamp on the compressor
- Suctiongas connector and Process connector can be switched (minor loss of cooling capacity)
- Good robustness against liquid intake.
- Ice-cube maker optimization - indirect suction intake.

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Compressor Design

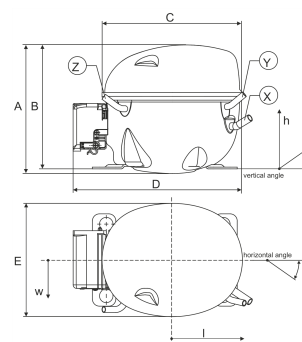
Oil type	POE	Winding resistance main	3.400 Ohm
Oil viscosity	19,2cSt	Winding resistance aux	8.00 Ohm
Oil quantity	200 / 6.76fl.oz	Max. winding temp.	125 °C
Free gas volume comp.	1,630 cm³ / 55.12fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	external		

Compressor Dimensions

Housing

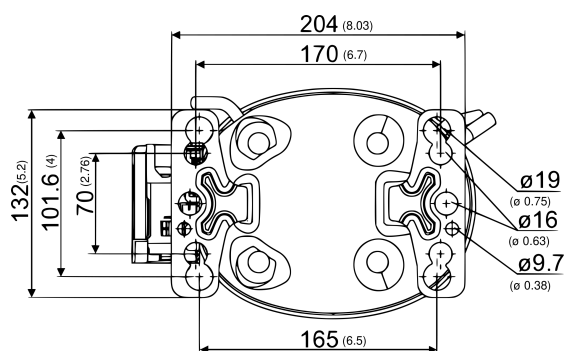
A Height	182mm / 7.17in
B Height	175mm / 6.89in
C Length shell	198mm / 7.80in
D Length w. cover	238mm / 9.37in
E Width	160mm / 6.30in

[Find 3D Model here](#)

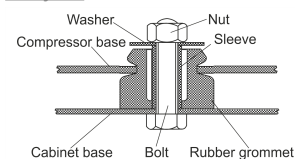


Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 8.11–8.29 / 0.32–0.33in	øi 6.41–6.59 / 0.25–0.26in	øi 6.41–6.59 / 0.25–0.26in
Material	CU	CU	CU
Horizontal angle ±2°	35°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	119/73/59 / 4.69/2.87/2.32in	117/107/66 / 4.61/4.21/2.60in	-88/101/71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

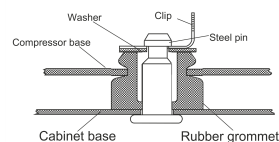
Mounting Accessories



Bolt joint



Snap-on



Dimensions in mm [in]

	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

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Power supply (nominal)	100 V/50 Hz 1~
Refrigerant	R513A
Application	MBP
Voltage range	90-110 V
Starting torque	HST
Approvals	UL, CCC, CB
Starting device type	relay
Run capacitor	-/-
Start capacitor	240 µF
LRA (locked rotor amps / 4s/ U(N))	21.2 A
RLA (rated load amps / 1s/ U(N))	2.7 A
Cut in current (U(N))	20.5 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

static

Electrical Accessories / Wiring Diagram



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Components

a5 current relay (T0377/L6 S1) 117U7081

c start capacitor (240µF) 117U5002

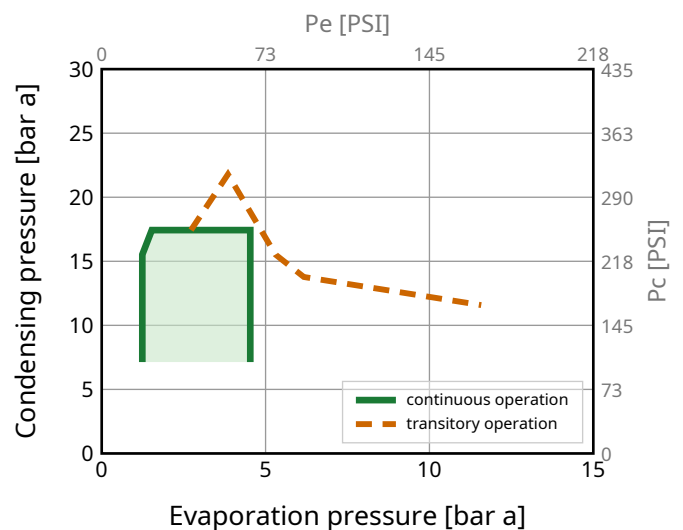
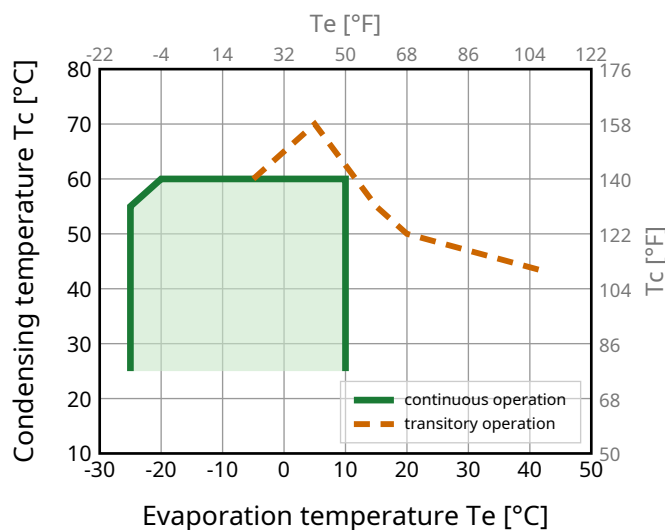
b, d cover + clamp + screws (5VA-compl.) 103N0600

Alternative components

b, d 100x cover + clamp + screws (5VA) 103N2060

b, d cover + clamp + screws (5VA) in bag 103N1060

Operation Pressure Range



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Standard Conditions

R513A, 100 V/50 Hz, CSIR, static

pe		pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	m	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]	
-25 -13	55 131	32 89.6	55 131		88	300	76	0.99	3.37	89	1.80	2.43	CECOMAF LBP
-35 -31	40 104	20 68	40 104		62	213	54	0.81	2.75	77	1.76	1.57	EN12900 LBP
-10 14	55 131	32 89.6	55 131		194	661	167	1.61	5.49	120	1.97	5.43	CECOMAF MBP
-10 14	45 113	20 68	45 113		223	761	192	1.99	6.80	112	1.92	6.04	EN12900 MBP
5 41	55 131	32 89.6	55 131		364	1242	313	2.44	8.33	149	2.15	10.44	CECOMAF HBP
5 41	50 122	20 68	50 122		376	1283	323	2.67	9.12	141	2.09	11.09	EN12900 HBP

Performance Tables

R513A, 100 V/50 Hz, CSIR, static

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	110	377	95	1.27	4.33	87	1.79	2.73
-20	-4	145	494	125	1.53	5.22	95	1.83	3.60
-15	5	186	634	160	1.80	6.14	103	1.87	4.63
-10	14	234	798	201	2.09	7.13	112	1.92	5.86
-5	23	291	993	250	2.42	8.25	120	1.97	7.32
0	32	358	1220	307	2.80	9.55	128	2.01	9.05
5	41	435	1484	374	3.25	11.10	134	2.05	11.10
10	50	524	1789	451	3.81	13.01	138	2.07	13.50

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

-25	-13	88	300	76	0.99	3.37	89	1.80	2.43
-20	-4	118	402	101	1.19	4.07	99	1.85	3.27
-15	5	153	521	131	1.40	4.76	109	1.91	4.26
-10	14	194	661	167	1.61	5.49	120	1.97	5.43
-5	23	242	825	208	1.84	6.29	131	2.03	6.83
0	32	298	1018	257	2.12	7.22	141	2.10	8.48
5	41	364	1242	313	2.44	8.33	149	2.15	10.44
10	50	440	1503	379	2.83	9.66	156	2.20	12.76