

Model

Designation	KLE4.0GFTX	220-240V/50Hz 1~ 208-230V/60Hz 1~	Sales code:	106G5418
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R134a, R513A
Oil viscosity	19,2cSt	Displacement	4cm ³ / 0,24cu.in
Oil quantity	240cm ³ / 8,1fl.oz	Compressors on pallet	100
Refr. charge - tech. limit	250g / 8,8oz		
Free gas volume comp.	1560cm ³ / 52,7fl.oz		
Weight	8,9kg / 19,6lbs		
Motor protection	external		
Winding resistance main	13,1Ω (at 25°C)		
Winding resistance aux	25,3Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	130°C / 266°F		
Additional note	Good robustness against liquid intake. Ice-cube maker optimization - indirect suction intake.		



General - Configurations with KLE4.0GFTX

	Conf. 1	Conf. 2
Motor configuration	CSIR	CSIR
Power supply (nominal)	220-240V/50Hz	208-230V/60Hz
Number of phases	1	1
Voltage range	187-254V	198-253V
Approvals	VDE, CB, UL	VDE, CB, UL
Starting torque	HST	HST
Note	Electrical equipment is included and pre-assembled to compressor.	

Applications with KLE4.0GFTX

	Conf. 1	Conf. 2
Refrigerant	R134a	R134a
Application	LBP+MBP+HBP	LBP+MBP
System cooling	static	static
Hot gas defrost	OK	OK
Long interval pull down	OK	OK

Electrical data - Configurations with KLE4.0GFTX

	Conf. 1	Conf. 2
Starting device type	relay	relay
Run capacitor	-/-	-/-
Start capacitor	80μF	80μF
LRA (locked rotor amps / 4s/ U(N))	10,5A	
RLA (rated load amps / 1s/ U(N))	1A	
Cut in current (U(N))	10,2A	

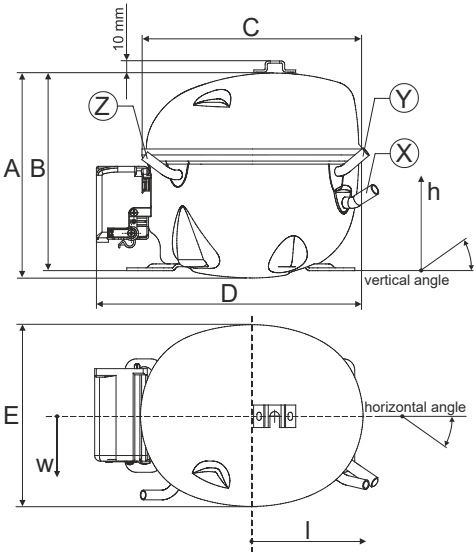
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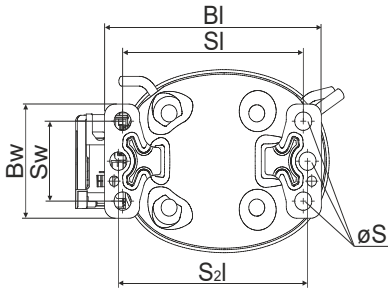
Compressor dimensions

Housing	A Height	174mm / 6,85in
	B Height	167mm / 6,57in
	C Length shell	194mm / 7,64in
	D Length w. cover	235,1mm / 9,26in
	E Width	151mm / 5,94in

Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 8,11-8,29	øi 6,11-6,29	øi 6,11-6,29
(i:inside, o:outside) [in]	øi 0,32-0,33	øi 0,24-0,25	øi 0,24-0,25
Material	copper	copper	copper
Horizontal angle	±2° 35°	13°	0°
Vertical angle	±2° 30°	40°	145°
Position l/h/w	[mm] 119/73/59	114/107/63	-87/101/71
	[in] 4,7/2,9/2,3	4,5/4,2/2,5	-3,4/4/2,8
Straight tube l.	[mm] 14	14	14
	[in] 0,5	0,5	0,5

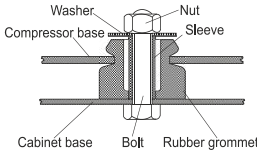


Compressor fixation

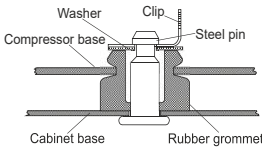


Baseplate	[mm]	[inch]
BI	204	8.03
Bw	100	3.94
Small holes	[mm]	[inch]
SI	170	6.7
Sw	70	2.76
S2l	178	7
øS	ø 16	ø 0.63

Bolt joint



Snap-on



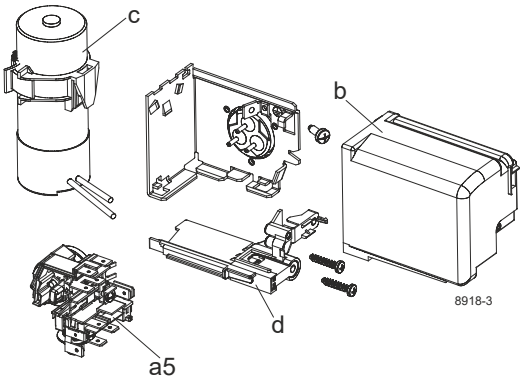
Mounting accessories	one comp.	multi pack
Bolt joint M6 ø16mm	118-1917	118-1918
Bolt joint ø1/4" ø16mm	118-1946	
Snap-on ø7,3 ø16mm	118-1947	118-1919

Application notes

- Housing with dip-tray fixture (omega bracket).
- Compressor with low height version.
- Provision for PE Grounding is located at the PE Stamp on the compressor

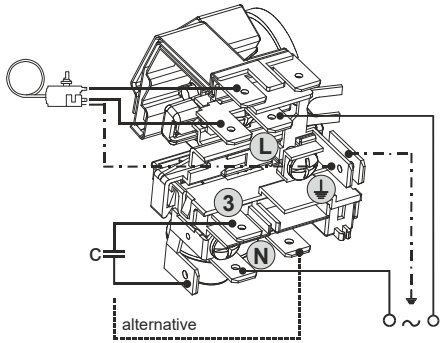
Model					
Designation	KLE4.0GFTX	220-240V/50Hz	Conf. 1	Sales code:	106G5418

Configuration	Electrical accessories / wiring diagram				
Motor configuration	CSIR				CSIR
Power supply (nominal)	220-240V/50Hz 1~				
Refrigerant	R134a				
Application	LBP+MBP+HBP				
Voltage range	187-254V				
Starting torque	HST				
Approvals	VDE				
	CB				
	UL				

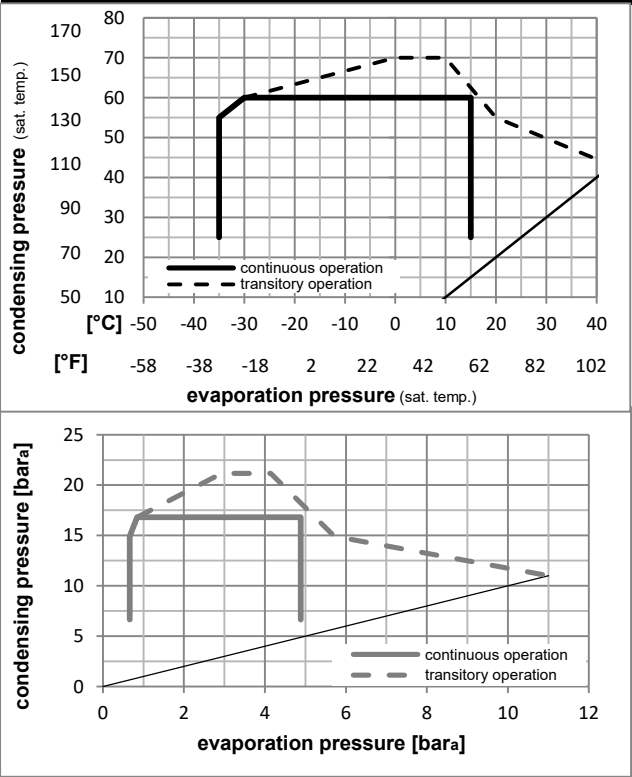


Ambient/ machine room temperatures minimum /maximum

Ambient temperature range:	10 - 43°C / 50 - 110°F
Machine room temperature range:	10 - 48°C / 50 - 119°F
Compressor cooling:	static



Operation pressure range



Components (incl. and pre. assembl.)

a5	current relay (T1189/L6-S3)	117U7073
c	start capacitor (80µF, 6.3mm)	117U5001
b, d	cover + clamp + screws(5VA-compl.)	103N0600

Alternative comp.

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

Model

Designation **KLE4.0GFTX** **220-240V/50Hz** Conf. 1 Sales code: **106G5418**

Optimization + standard conditions

R134a, 220V/50Hz, CSIR, static, VDE, CB, UL

Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)						Power consumption																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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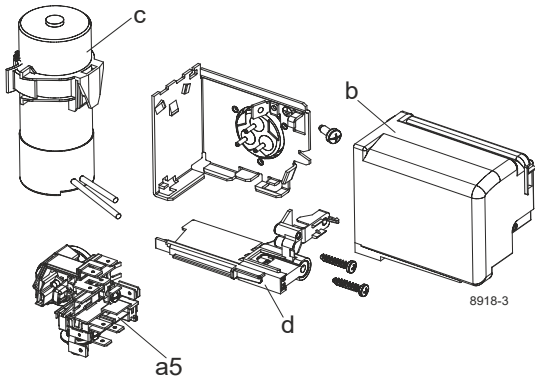
Performance tables

R134a, 220V/50Hz, CSIR, static, VDE, CB, UL

	pe		Cooling capacity			COP	EER		P1	I	m
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]
[°C / °F]	-35	-31	43,4	148	37,4	0,69	2,34	0,59	63,3	1,10	0,94
cond. pressure	-25	-13	86,8	296	74,7	1,05	3,57	0,90	82,9	1,14	1,88
pc= 45/113	-15	5	154,2	527	132,7	1,52	5,20	1,31	101,2	1,18	3,36
return gas temp.	-10	14	198,5	678	170,8	1,80	6,15	1,55	110,1	1,20	4,34
RGT= 32/90	0	32	310,9	1062	267,6	2,43	8,31	2,09	127,7	1,24	6,88
liquid temp	5	41	380,4	1299	327,4	2,78	9,51	2,40	136,6	1,26	8,47
Tliq= 45/113	15	59	548,6	1874	472,1	3,54	12,09	3,05	154,9	1,31	12,43
[°C / °F]	-35	-31	35,4	121	30,5	0,59	2,01	0,51	60,0	1,10	0,84
cond. pressure	-25	-13	73,8	252	63,5	0,87	2,97	0,75	84,9	1,15	1,76
pc= 55/131	-15	5	132,4	452	114,0	1,23	4,19	1,06	107,8	1,19	3,19
return gas temp	-10	14	170,8	583	147,0	1,44	4,91	1,24	118,8	1,22	4,13
RGT= 32/90	0	32	268,7	918	231,3	1,92	6,55	1,65	140,0	1,27	6,57
liquid temp	5	41	329,4	1125	283,5	2,19	7,48	1,88	150,5	1,30	8,12
Tliq= 55/131	15	59	477,3	1630	410,8	2,78	9,50	2,40	171,5	1,36	11,99

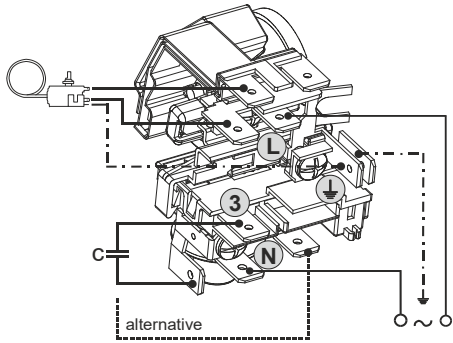
Model				
Designation	KLE4.0GFTX	208-230V/60Hz	Conf. 2	Sales code: 106G5418

Configuration		Electrical accessories / wiring diagram	
Motor configuration	CSIR	CSIR	
Power supply (nominal)	208-230V/60Hz 1~		
Refrigerant	R134a		
Application	LBP+MBP		
Voltage range	198-253V		
Starting torque	HST		
Approvals	VDE		
	CB		
	UL		

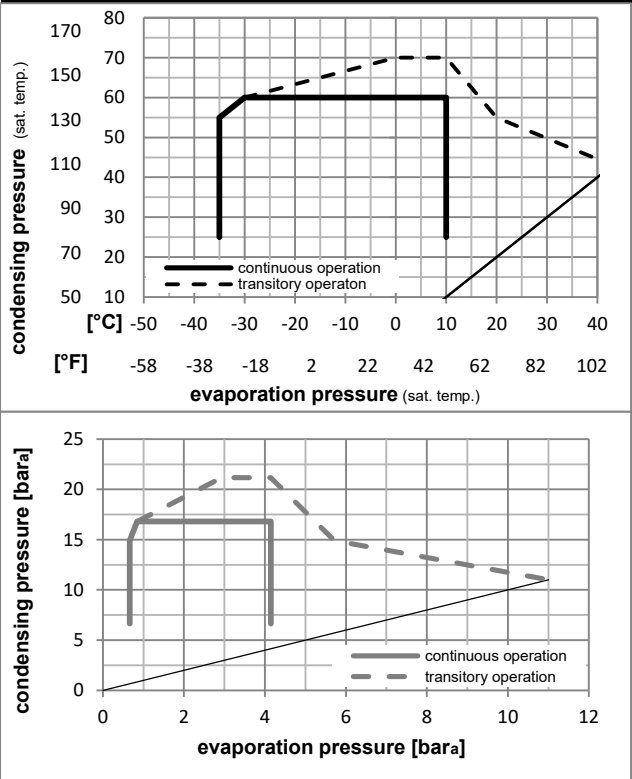


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Compressor cooling:	static



Operation pressure range



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Alternative comp.

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Optimization + standard conditions

R134a, 230V/60Hz, CSIR, static, VDE, CB, UL

Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)						Power consumption			
											Current consumption			
											Ref. mass flow			