

Model

Designation	KLE5.6GFHX	115-127V/60Hz 1~	Sales code:	106G6603
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R134a, R513A
Oil viscosity	19,2cSt	Displacement	5,6cm ³ / 0,34cu.in
Oil quantity	200cm ³ / 6,8fl.oz	Compressors on pallet	100
Refr. charge - tech. limit	300g / 10,6oz		
Free gas volume comp.	1605cm ³ / 54,3fl.oz		
Weight	9,5kg / 20,9lbs		
Motor protection	external		
Winding resistance main	10,7Ω (at 25°C)		
Winding resistance aux	17Ω (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 KLE5.6GFHX

	Conf. 1
Motor configuration	CSIR
Power supply (nominal)	115-127V/60Hz
Number of phases	1
Voltage range	95-140V
Approvals	UL
Starting torque	HST
Note	Recommanded voltage range for HBP is 103-140V/60Hz

Applications with KLE5.6GFHX

	Conf. 1
Refrigerant	R134a
Application	LBP+MBP+HBP
System cooling	fan 3m/s
Hot gas defrost	OK
Long interval pull down	OK

Electrical data - Configurations with KLE5.6GFHX

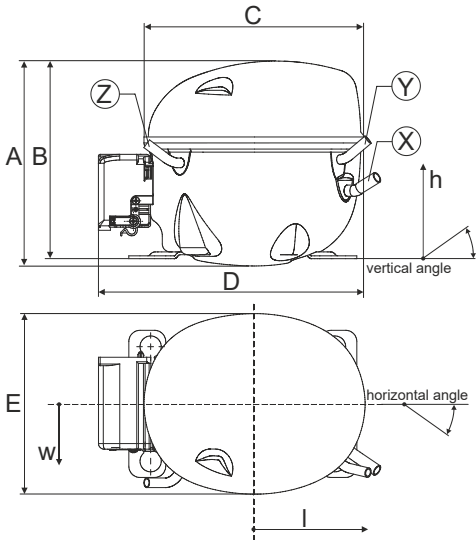
	Conf. 1
Starting device type	relay
Run capacitor	-/-
Start capacitor	240μF
LRA (locked rotor amps / 4s/ U(N))	31,1A
RLA (rated load amps / 1s/ U(N))	4,3A
Cut in current (U(N))	27,8A

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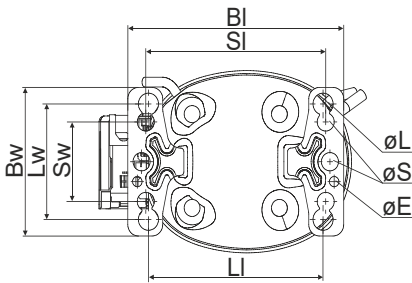
Compressor dimensions

Housing	A Height	182mm / 7,17in
	B Height	175mm / 6,89in
	C Length shell	198mm / 7,8in
	D Length w. cover	238mm / 9,37in
	E Width	160mm / 6,3in

Connectors		Suction X	Discharge Y	Process Z
Diameter	[mm]	øi 8,11-8,29	øi 6,41-6,59	øi 6,41-6,59
	[in]	øi 0,32-0,33	øi 0,25-0,26	øi 0,25-0,26
Material		copper	copper	copper
Horizontal angle	±2°	35°	13°	0°
Vertical angle	±2°	30°	40°	145°
Position l/h/w	[mm]	119/73/59	117/107/66	-88/101/71
	[in]	4,7/2,9/2,3	4,6/4,2/2,6	-3,5/4/2,8
Straight tube l.	[mm]	14	14	14
	[in]	0,5	0,5	0,5

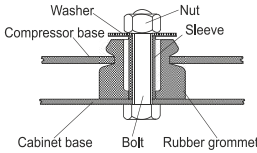


Compressor fixation

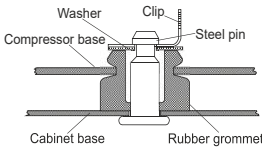


Baseplate	[mm]	[inch]
BI	204	8.03
BW	132	5.2
øE	ø 9.7	ø 0.38
Large holes		
LI	165	6.5
LW	101.6	4
øL	ø 19	ø 0.75
Small holes		
SI	170	6.7
SW	70	2.76
øS	ø 16	ø 0.63

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	
Bolt joint ø1/4" ø19mm	118-1949	
Snap-on ø7,3 ø16mm	118-1947	118-1919

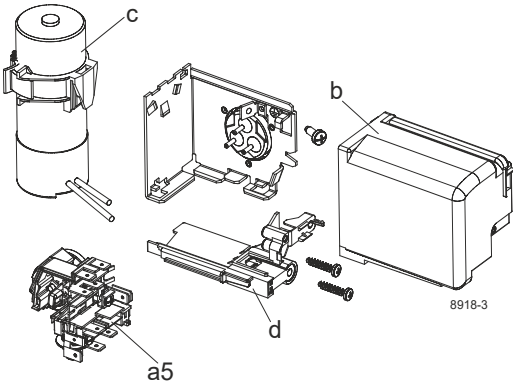
Application notes

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)

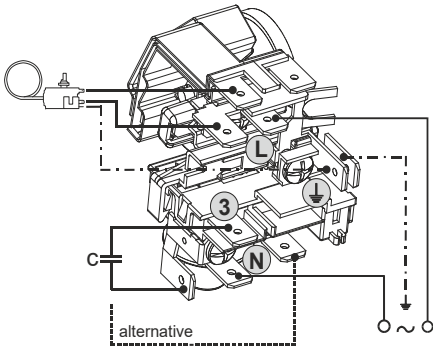
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Configuration		Electrical accessories / wiring diagram			
Motor configuration	CSIR	CSIR			
Power supply (nominal)	115-127V/60Hz 1~				
Refrigerant	R134a				
Application	LBP+MBP+HBP				
Voltage range	95-140V				
Starting torque	HST				
Approvals	UL				

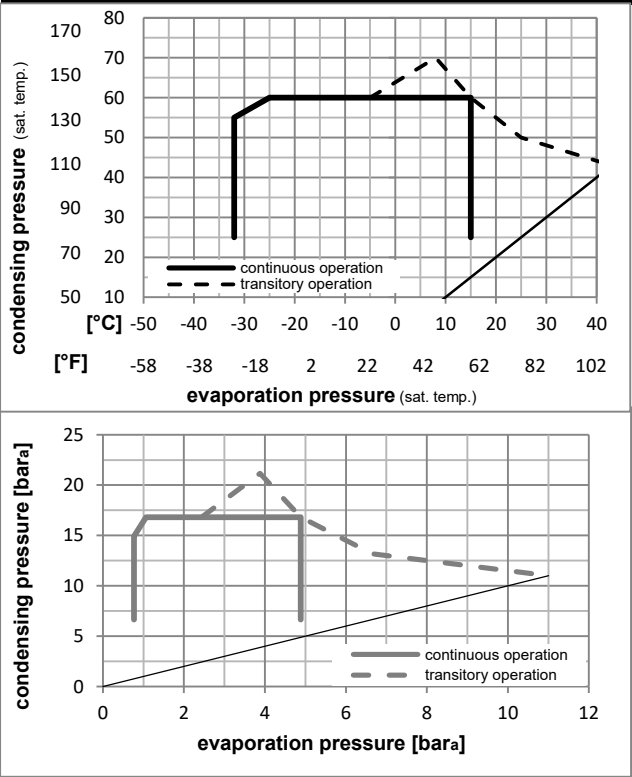


Ambient/ machine room temperatures minimum /maximum

Ambient temperature range:	10 - 43°C / 50 - 110°F
Machine room temperature range:	10 - 48°C / 50 - 119°F
Compressor cooling:	fan 3m/s



Operation pressure range



Components		
a5	current relay (T1248/L6)	117U7083
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

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Optimization + standard conditions

R134a, 120V/60Hz, CSIR, fan 3m/s, UL

Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)						Power consumption				ASHRAE LBP
Return gas temp.					Current consumption						ASHRAE MBP				
Liquid temp.					Ref. mass flow										
Cooling capacity					COP							EER		ASHRAE HBP	
pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	P1	I	m	EN12900 LBP		
[°C]	-23	54	32	32	193,7	662	166,7	1,30	4,43	1,12	149,4	2,44		3,76	
[°F]	-10	130	90	90											
[°C]	-7	54	35	46	401,3	1370	345,3	1,86	6,34	1,60	216,2	2,85	8,75	ASHRAE MBP	
[°F]	20	130	95	115											
[°C]	7,2	54	35	46	714,0	2438	614,4	2,61	8,91	2,24	273,8	3,27	15,84	ASHRAE HBP	
[°F]	45	130	95	115											
[°C]	-35	40	20	40	91,0	311	78,3	0,85	2,91	0,73	106,9	2,26	2,00	EN12900 LBP	
[°F]	-31	104	68	104											
[°C]	-10	45	20	45	349,6	1194	300,8	1,83	6,23	1,57	191,5	2,68	8,18	EN12900 MBP	
[°F]	14	113	68	113											
[°C]	5	50	20	50	608,0	2076	523,3	2,41	8,24	2,08	251,9	3,11	15,32	EN12900 HBP	
[°F]	41	122	68	122											