

## Model

Designation	<b>KLE6.6GFHX</b>	115-127V/60Hz 1~	Sales code:	<b>106G6713</b>
-------------	-------------------	------------------	-------------	-----------------

## Compressor design

Oil type	Polyolester	Refrigerant(s)	<b>R134a, R513A</b>
Oil viscosity	19,2cSt	Displacement	6,6cm <sup>3</sup> / 0,4cu.in
Oil quantity	200cm <sup>3</sup> / 6,8fl.oz	Compressors on pallet	100
Refr. charge - tech. limit	300g / 10,6oz		
Free gas volume comp.	1580cm <sup>3</sup> / 53,4fl.oz		
Weight	9,5kg / 20,9lbs		
Motor protection	external		
Winding resistance main	2Ω (at 25°C)		
Winding resistance aux	5,3Ω (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 KLE6.6GFHX

### Conf. 1

Motorconfiguration	CSIR
Power supply (nominal)	115-127V/60Hz
Number of phases	1
Voltage range	95-140V
Approvals	UL
Starting torque	HST
Note	Electrical equipment is included and pre-assembled to compressor.

## Applications with KLE6.6GFHX

### 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 KLE6.6GFHX

### Conf. 1

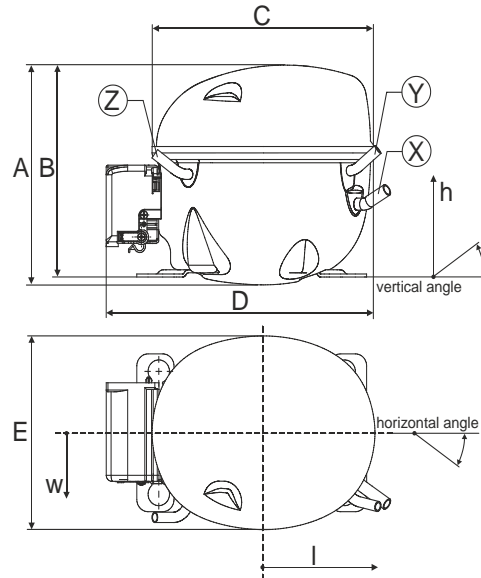
Starting device type	relay
Run capacitor	-/-
Start capacitor	240μF
LRA (locked rotor amps / 4s/ U(N))	31,1A
RLA (rated load amps / 1s/ U(N))	4,3A
Cut in current (U(N))	27,8A

## Model

Designation **KLE6.6GFHX** 115-127V/60Hz 1~ Sales code: **106G6713**

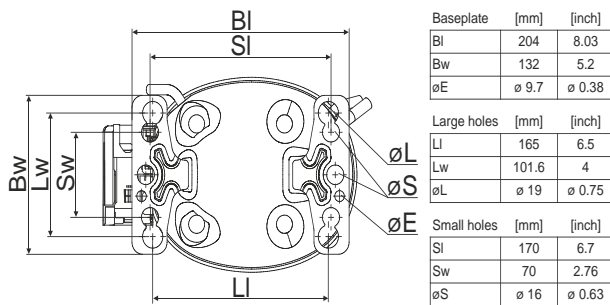
## Compressor dimensions

<b>Housing</b>	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

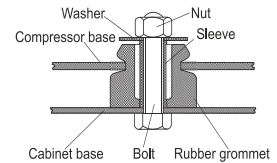


Connectors	Suction	Discharge	Process
	X	Y	Z
Diameter [mm]	øi 8,11-8,29	øi 6,41-6,59	øi 6,41-6,59
(i:inside, o:outside) [in]	øi 0,32-0,33	øi 0,25-0,26	øi 0,25-0,26
Material	copper	copper	copper
Horizontal angle ±2°	35°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	119/73/59	117/107/66	-88/101/71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

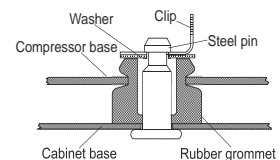
## Compressor fixation



### 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)

Recommended voltage range for HBP is 103-140V/60Hz

## Model

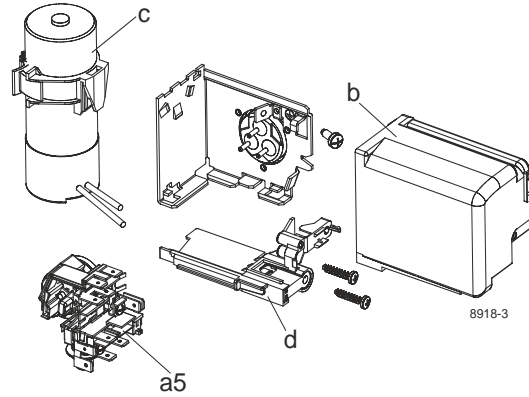
Designation	<b>KLE6.6GFHX</b>	<b>115-127V/60Hz</b>	Conf. 1	Sales code:	<b>106G6713</b>
-------------	-------------------	----------------------	---------	-------------	-----------------

## Configuration

Motorconfiguration	CSIR
Power supply (nominal)	115-127V/60Hz 1~
Refrigerant	R134a
Application	LBP+MBP+HBP
Voltage range	95-140V
Starting torque	HST
Approvals	UL

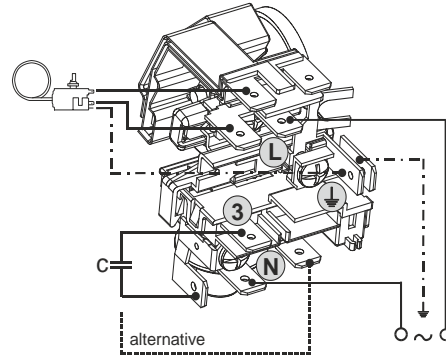
## Electrical accessories / wiring diagram

**CSIR**

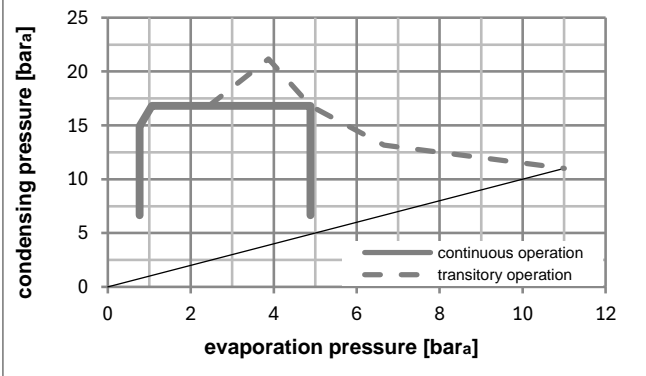
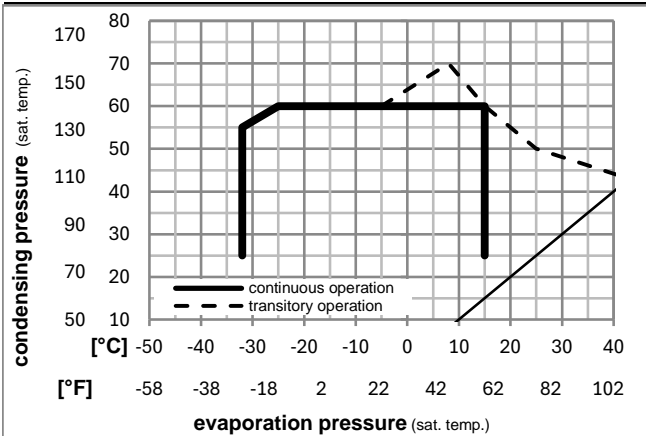


## Ambient/ machine room temperatures minimum /maximum

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 (incl. and pre. assembl.)

a5	current relay (T1246/L6)	117U7080
c	start capacitor (240µF)	117U5002
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 **KLE6.6GFHX 115-127V/60Hz** Conf. 1 Sales code: **106G6713**

## Optimization + standard conditions

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

	pe	pc	RGT	Tliq	Cooling capacity		COP	EER		P1	I	Ref. mass flow		
	[°C]	[°C]	[°C]	[°C]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]	
Evaporating pressure (saturation temperature)	-23	54	32	32	234,4	801	201,7	1,34	4,57	1,15	175,1	2,59	4,55	ASHRAE LBP
Condensing pressure (saturation temperature)	-10	130	90	90										
Return gas temp.														
Liquid temp.														
Power consumption														
Current consumption														
Ref. mass flow														
	[°C]	[°C]	[°C]	[°C]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]	
	[°F]	[°F]	[°F]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]	
	-7	54	35	46	482,6	1648	415,4	1,87	6,38	1,61	258,4	3,15	10,53	ASHRAE MBP
	20	130	95	115										
	7,2	54	35	46	853,7	2916	734,7	2,57	8,79	2,21	331,7	3,73	18,94	ASHRAE HBP
	45	130	95	115										
	-35	40	20	40	117,8	402	101,3	0,96	3,26	0,82	123,3	2,33	2,58	EN12900 LBP
	-31	104	68	104										
	-10	45	20	45	417,9	1427	359,7	1,85	6,32	1,59	225,8	2,91	9,78	EN12900 MBP
	14	113	68	113										
	5	50	20	50	727,1	2483	625,8	2,37	8,11	2,04	306,4	3,52	18,32	EN12900 HBP
	41	122	68	122										

## Performance tables

R134a, 120V/60Hz, CSIR, fan 3m/s, 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]	-23	-10	223,5	763	192,3	1,30	4,43	1,12	172,2	2,57	4,85
cond. pressure	-23	-10	223,5	763	192,3	1,30	4,43	1,12	172,2	2,57	4,85
pc= 45/113	-15	5	342,8	1171	295,0	1,67	5,69	1,43	205,7	2,77	7,47
return gas temp.	-9	15	444,7	1519	382,7	1,95	6,66	1,68	228,1	2,93	9,74
RGT= 32/90	0	32	667,5	2279	574,4	2,49	8,50	2,14	268,0	3,23	14,76
liquid temp	7,2	45	886,8	3029	763,2	2,94	10,05	2,53	301,3	3,48	19,81
Tliq= 45/113	15	59	1177,7	4022	1013,5	3,45	11,79	2,97	341,2	3,79	26,68
[°C / °F]	-23	-10	189,5	647	163,1	1,08	3,70	0,93	175,1	2,59	4,54
cond. pressure	-23	-10	189,5	647	163,1	1,08	3,70	0,93	175,1	2,59	4,54
pc= 55/131	-15	5	295,7	1010	254,5	1,36	4,65	1,17	217,3	2,86	7,12
return gas temp	-9	15	384,9	1315	331,3	1,57	5,36	1,35	245,3	3,05	9,31
RGT= 32/90	0	32	578,8	1977	498,1	1,97	6,72	1,69	294,0	3,42	14,16
liquid temp	7,2	45	769,8	2629	662,5	2,31	7,88	1,99	333,5	3,74	19,04
Tliq= 55/131	15	59	1024,2	3498	881,4	2,70	9,21	2,32	379,6	4,11	25,73