Model

Designation	**KLE4.0GFMX**	**100V/50Hz 1~100-127V/60Hz 1~**	Sales code:	**106G6413**

Compressor design

Oil type	Polyolester	Refrigerant(s)	**R134a, R513A**
Oil viscosity	19,2cSt	Displacement	4cm³ / 0,24cu.in
Oil quantity	200cm³ / 6,8fl.oz	Compressors on pallet	100
Refr. charge - tech. limit	300g / 10,6oz		
Free gas volume comp.	1630cm³ / 55,1fl.oz		
Weight	8,3kg / 18,3lbs		
Motor protection	external		
Winding resistance main	3,4Ω (at 25°C)		
Winding resistance aux	8Ω (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 KLE4.0GFMX

	Conf. 1	Conf. 2	Conf. 3	Conf. 4	Conf. 5
Motor configuration	CSIR	CSIR	CSIR	CSIR	CSIR
Power supply (nominal)	115-127V/60Hz	100-127V/60Hz	100V/50Hz	115-127V/60Hz	100-127V/60Hz
Number of phases	1	1	1	1	1
Voltage range	95-140V	90-140V	90-110V	95-140V	90-140V
Approvals	UL, CCC, CB	UL, CCC, CB	UL, CCC, CB	UL, CCC, CB	UL, CCC, CB
Starting torque	HST	HST	HST	HST	HST
Note	Electrical equipment is included and pre-assembled to compressor.				

Applications with KLE4.0GFMX

	Conf. 1	Conf. 2	Conf. 3	Conf. 4	Conf. 5
Refrigerant	R134a	R134a	R134a	R513A	R513A
Application	LBP+MBP+HBP	LBP+MBP	MBP	LBP+MBP+HBP	LBP+MBP
System cooling	static	static	static	static	static
Hot gas defrost	OK	OK	OK	OK	OK
Long interval pull down	OK	OK	OK	OK	OK

Electrical data - Configurations with KLE4.0GFMX

	Conf. 1	Conf. 2	Conf. 3	Conf. 4	Conf. 5
Starting device type	relay	relay	relay	relay	relay
Run capacitor	-/-	-/-	-/-	-/-	-/-
Start capacitor	240µF	240µF	240µF	240µF	240µF
LRA (locked rotor amps / 4s/ U(N))	21,2A			21,2A	
RLA (rated load amps / 1s/ U(N))	2,7A			2,7A	
Cut in current (U(N))	20,5A			20,5A	

Model

Designation	**KLE4.0GFMX**	**100V/50Hz 1~100-127V/60Hz 1~**	Sales code:	**106G6413**

Compressor design

Oil type	Polyolester	Refrigerant(s)	**R134a, R513A**
Oil viscosity	19,2cSt	Displacement	4cm³ / 0,24cu.in
Oil quantity	200cm³ / 6,8fl.oz	Compressors on pallet	100
Refr. charge - tech. limit	300g / 10,6oz		
Free gas volume comp.	1630cm³ / 55,1fl.oz		
Weight	8,3kg / 18,3lbs		
Motor protection	external		
Winding resistance main	3,4Ω (at 25°C)		
Winding resistance aux	8Ω (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 KLE4.0GFMX

	Conf. 6
Motor configuration	CSIR
Power supply (nominal)	100V/50Hz
Number of phases	1
Voltage range	90-110V
Approvals	UL, CCC, CB
Starting torque	HST
Note	Electrical equipment is included and pre-assembled to compressor.

Applications with KLE4.0GFMX

	Conf. 6
Refrigerant	R513A
Application	MBP
System cooling	static
Hot gas defrost	OK
Long interval pull down	OK

Electrical data - Configurations with KLE4.0GFMX

	Conf. 6
Starting device type	relay
Run capacitor	-/-
Start capacitor	240µF
LRA (locked rotor amps / 4s/ U(N))	
RLA (rated load amps / 1s/ U(N))	
Cut in current (U(N))	

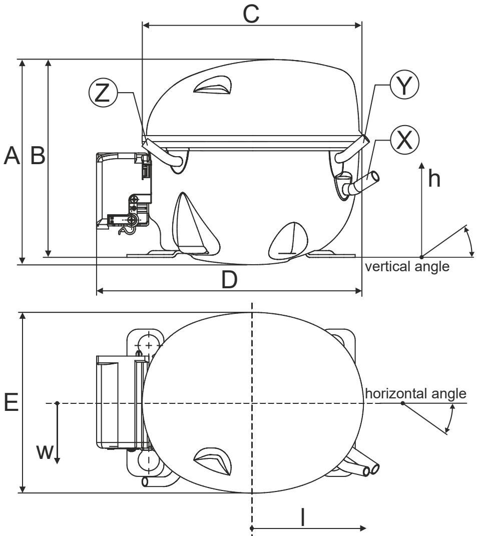
Model

Designation	**KLE4.0GFMX**	**100V/50Hz 1~100-127V/60Hz 1~**	Sales code:	**106G6413**

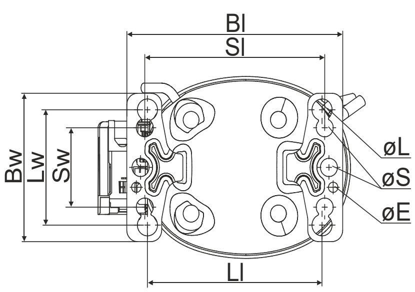
Compressor dimensions

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
(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	14
	[in]	0,5	0,5	0,5



Compressor fixation

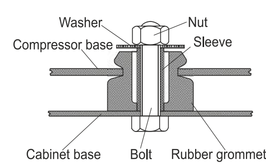


Baseplate	[mm]	[inch]
Bl	204	8.03
Bw	132	5.2
øE	ø 9.7	ø 0.38

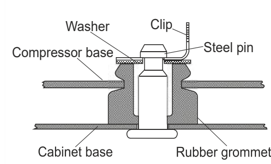
Large holes	[mm]	[inch]
Ll	165	6.5
Lw	101.6	4
øL	ø 19	ø 0.75

Small holes	[mm]	[inch]
Sl	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)

Model

Designation	**KLE4.0GFMX**	**115-127V/60Hz**	**Conf. 1**	Sales code:	**106G6413**

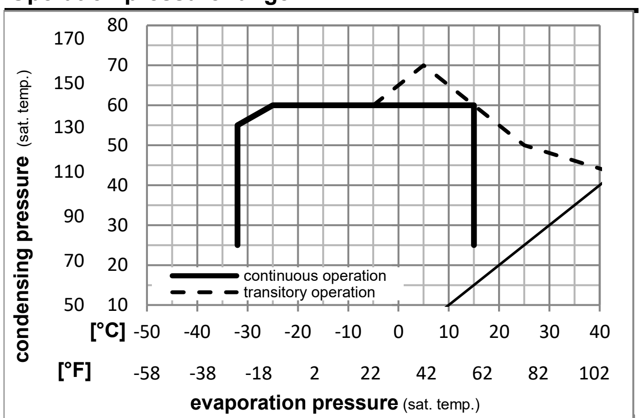
Configuration

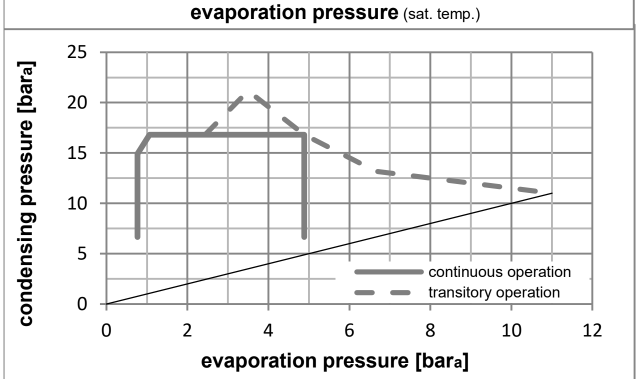
Motor configuration	CSIR
Power supply (nominal)	115-127V/60Hz 1~
Refrigerant	R134a
Application	LBP+MBP+HBP
Voltage range	95-140V
Starting torque	HST
Approvals	UL
	CCC
	CB

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

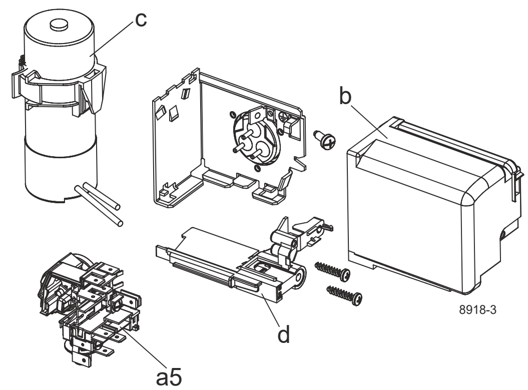
Operation pressure range

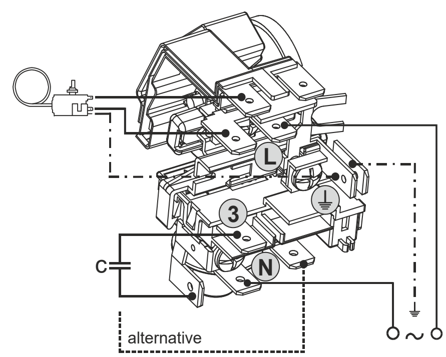




Electrical accessories / wiring diagram

CSIR





Components (incl. and pre. assembl.)

a5	current relay (T0377/L6 S1)	117U7081
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	KLE4.0GFMX	115-127V/60Hz	Conf. 1	Sales code:	106G6413

Optimization + standard conditions — R134a, 120V/60Hz, CSIR, static, UL, CCC, CB

pe: Evaporating pressure (saturation temperature); pc: Condensing pressure (saturation temperature); RGT: Return gas temp.; Tliq: Liquid temp.; Cooling capacity; COP; EER; P1: Power consumption; I: Current consumption; ṁ: Ref. mass flow

	pe	pc	RGT	Tliq	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	ṁ [kg/h]	
[°C]	-23	54	32	32	117,1	400	100,7	1,17	4,01	1,01	99,8	1,73	2,27	ASHRAE LBP
[°F]	-10	130	90	90										
[°C]	-7	54	35	46	258,6	883	222,6	1,80	6,16	1,55	143,4	1,97	5,64	ASHRAE MBP
[°F]	20	130	95	115										
[°C]	7,2	54	35	46	481,3	1644	414,2	2,62	8,94	2,25	183,9	2,22	10,68	ASHRAE HBP
[°F]	45	130	95	115										
[°C]	-35	40	20	40	64,0	218	55,0	0,86	2,95	0,74	74,1	1,62	1,40	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-10	45	20	45	233,4	797	200,9	1,83	6,24	1,57	127,8	1,87	5,46	EN12900 MBP
[°F]	14	113	68	113										
[°C]	5	50	20	50	411,9	1407	354,5	2,42	8,27	2,08	170,1	2,13	10,38	EN12900 HBP
[°F]	41	122	68	122										

Performance tables — R134a, 120V/60Hz, CSIR, static, UL, CCC, CB

	pe [°C]	pe [°F]	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	m [kg/h]
[°C / °F]	-23	-10	120,1	410	103,3	1,22	4,17	1,05	98,3	1,73	2,60
cond. pressure	-23	-10	120,1	410	103,3	1,22	4,17	1,05	98,3	1,73	2,60
pc= 45/113	-15	5	188,9	645	162,6	1,62	5,53	1,39	116,6	1,82	4,12
return gas temp.	-9	15	248,7	849	214,0	1,93	6,58	1,66	129,1	1,88	5,44
RGT= 32/90	0	32	381,0	1301	327,9	2,52	8,62	2,17	150,9	2,00	8,43
liquid temp	7,2	45	512,5	1750	441,1	3,05	10,41	2,62	168,2	2,11	11,45
Tliq= 45/113	10	50	571,0	1950	491,4	3,26	11,15	2,81	174,9	2,16	12,81
[°C / °F]	-23	-10	94,9	324	81,7	0,95	3,24	0,82	100,0	1,73	2,27
cond. pressure	-23	-10	94,9	324	81,7	0,95	3,24	0,82	100,0	1,73	2,27
pc= 55/131	-15	5	152,8	522	131,5	1,26	4,30	1,08	121,3	1,84	3,68
return gas temp	-9	15	203,7	696	175,3	1,50	5,11	1,29	136,3	1,92	4,93
RGT= 32/90	0	32	318,2	1087	273,9	1,95	6,66	1,68	163,2	2,08	7,78
liquid temp	7,2	45	433,8	1482	373,3	2,34	8,01	2,02	185,0	2,23	10,73
Tliq= 55/131	10	50	485,6	1658	417,9	2,51	8,56	2,16	193,7	2,29	12,07

Model

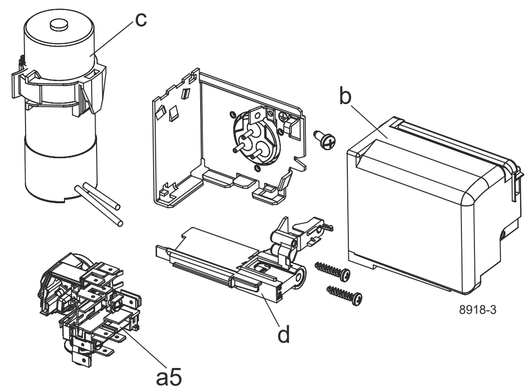
Designation	**KLE4.0GFMX**	**100-127V/60Hz**	**Conf. 2**	Sales code:	**106G6413**

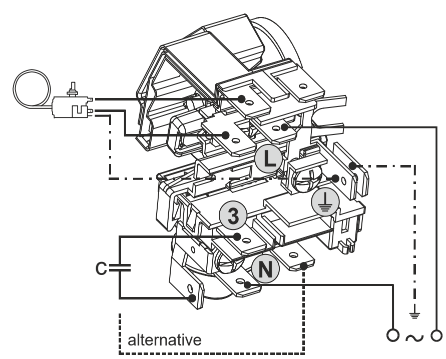
Configuration

Motor configuration	CSIR
Power supply (nominal)	100-127V/60Hz 1~
Refrigerant	R134a
Application	LBP+MBP
Voltage range	90-140V
Starting torque	HST
Approvals	UL
	CCC
	CB

Electrical accessories / wiring diagram

CSIR

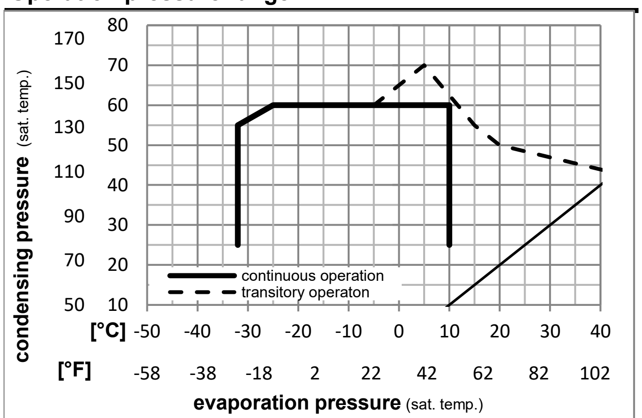


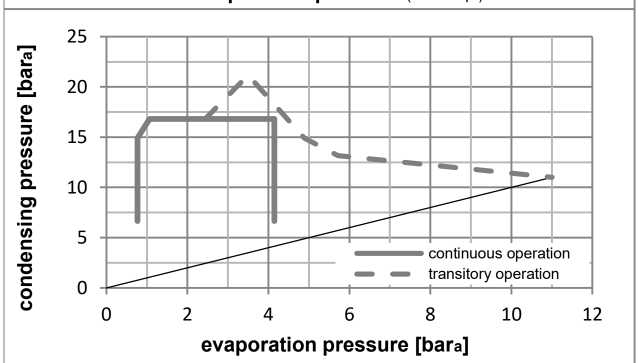


Ambient/ machine room temperatures minimum /maximum

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

Operation pressure range





Components (inci. and pre. assembi.)

a5	current relay (T0377/L6 S1)	117U7081
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	KLE4.0GFMX	100-127V/60Hz	Conf. 2	Sales code:	106G6413

Optimization + standard conditions R134a, 100V/60Hz, CSIR, static, UL, CCC, CB

pe: Evaporating pressure (saturation temperature); pc: Condensing pressure (saturation temperature); RGT: Return gas temp.; Tliq: Liquid temp.; Cooling capacity; COP; EER; P1: Power consumption; I: Current consumption; ṁ: Ref. mass flow

	pe	pc	RGT	Tliq	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	ṁ [kg/h]	
[°C]	-23	54	32	32	134,9	461	116,1	1,46	4,99	1,26	92,2	1,54	2,62	ASHRAE LBP
[°F]	-10	130	90	90										
[°C]	-7	54	35	46	288,9	987	248,6	2,11	7,21	1,82	136,8	1,86	6,30	ASHRAE MBP
[°F]	20	130	95	115										
[°C]	7,2	54	35	46	520,4	1777	447,9	3,12	10,64	2,68	167,0	2,12	11,55	ASHRAE HBP
[°F]	45	130	95	115										
[°C]	-35	40	20	40	67,1	229	57,8	0,98	3,34	0,84	68,6	1,42	1,47	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-10	45	20	45	256,1	875	220,4	2,15	7,34	1,85	119,2	1,72	5,99	EN12900 MBP
[°F]	14	113	68	113										
[°C]	5	50	20	50	445,4	1521	383,3	2,89	9,85	2,48	154,4	2,01	11,22	EN12900 HBP
[°F]	41	122	68	122										

Performance tables R134a, 100V/60Hz, CSIR, static, UL, CCC, CB

	pe [°C]	pe [°F]	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	m [kg/h]
[°C / °F]	-32	-26	76,7	262	66,0	1,05	3,58	0,90	73,2	1,44	1,66
cond. pressure	-23	-10	134,2	458	115,5	1,49	5,08	1,28	90,2	1,52	2,91
pc= 45/113	-15	5	209,0	714	179,9	1,93	6,59	1,66	108,4	1,64	4,56
return gas temp.	-9	15	272,6	931	234,6	2,26	7,73	1,95	120,4	1,73	5,97
RGT= 32/90	0	32	412,1	1407	354,6	2,98	10,16	2,56	138,5	1,87	9,11
liquid temp	7,2	45	550,2	1879	473,5	3,70	12,64	3,19	148,7	1,96	12,29
Tliq= 45/113	10	50	611,6	2089	526,4	4,04	13,80	3,48	151,4	1,99	13,72
[°C / °F]	-32	-26	56,6	193	48,7	0,80	2,73	0,69	70,8	1,42	1,35
cond. pressure	-23	-10	109,0	372	93,8	1,18	4,03	1,02	92,3	1,54	2,61
pc= 55/131	-15	5	174,4	595	150,1	1,52	5,18	1,30	115,1	1,69	4,20
return gas temp	-9	15	229,3	783	197,3	1,76	6,01	1,52	130,2	1,81	5,55
RGT= 32/90	0	32	349,5	1193	300,7	2,27	7,76	1,96	153,8	2,00	8,55
liquid temp	7,2	45	469,0	1602	403,6	2,79	9,52	2,40	168,3	2,13	11,60
Tliq= 55/131	10	50	522,4	1784	449,6	3,02	10,33	2,60	172,7	2,17	12,99

Model

Designation	**KLE4.0GFMX**	**100V/50Hz**	**Conf. 3**	Sales code:	**106G6413**

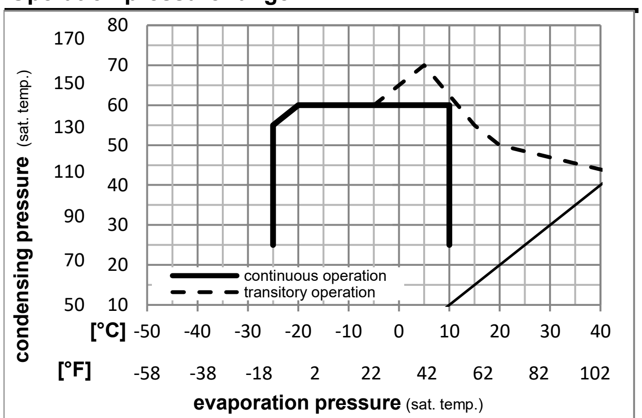
Configuration

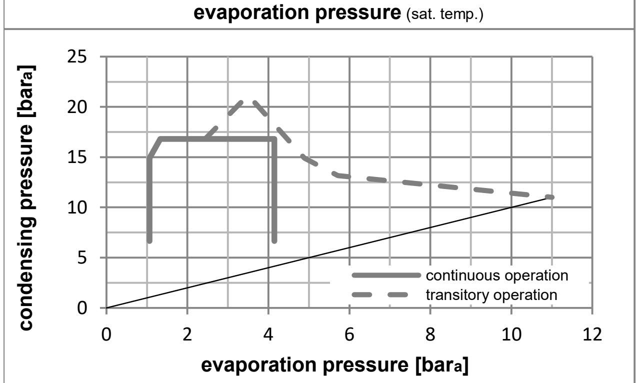
Motor configuration	CSIR
Power supply (nominal)	100V/50Hz 1~
Refrigerant	R134a
Application	MBP
Voltage range	90-110V
Starting torque	HST
Approvals	UL
	CCC
	CB

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

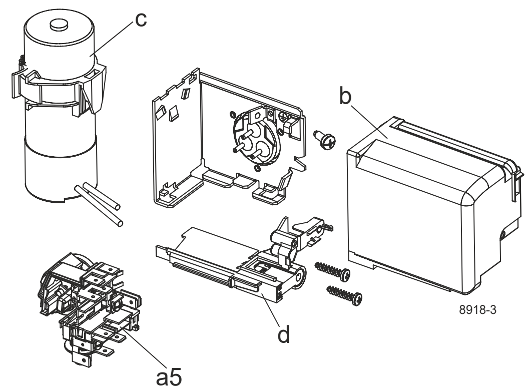
Operation pressure range

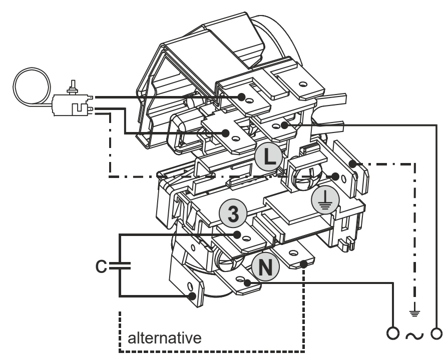




Electrical accessories / wiring diagram

CSIR





Components (incl. and pre. assembl.)

a5	current relay (T0377/L6 S1)	117U7081
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	KLE4.0GFMX	100V/50Hz	Conf. 3	Sales code:	106G6413

Optimization + standard conditions R134a, 100V/50Hz, CSIR, static, UL, CCC, CB

pe = Evaporating pressure (saturation temperature); pc = Condensing pressure (saturation temperature); RGT = Return gas temp.; Tliq = Liquid temp.; Cooling capacity; COP; EER; P1 = Power consumption; I = Current consumption; ṁ = Ref. mass flow

	pe	pc	RGT	Tliq	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	ṁ [kg/h]	
[°C] [°F]	-23 -10	54 130	32 90	32 90	112,6	385	96,9	1,31	4,48	1,13	85,8	1,79	2,19	**ASHRAE LBP**
[°C] [°F]	-7 20	54 130	35 95	46 115	241,5	825	207,9	2,00	6,84	1,72	120,7	1,97	5,27	**ASHRAE MBP**
[°C] [°F]	7,2 45	54 130	35 95	46 115	435,5	1487	374,8	3,01	10,27	2,59	144,9	2,12	9,66	**ASHRAE HBP**
[°C] [°F]	-35 -31	40 104	20 68	40 104	56,0	191	48,2	0,81	2,75	0,69	69,5	1,72	1,23	**EN12900 LBP**
[°C] [°F]	-10 14	45 113	20 68	45 113	214,0	731	184,1	2,01	6,85	1,73	106,6	1,89	5,01	**EN12900 MBP**
[°C] [°F]	5 41	50 122	20 68	50 122	372,6	1273	320,7	2,76	9,44	2,38	134,8	2,06	9,39	**EN12900 HBP**

Performance tables R134a, 100V/50Hz, CSIR, static, UL, CCC, CB

	pe [°C]	pe [°F]	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	m [kg/h]
[°C / °F]	-25	-13	101,6	347	87,5	1,25	4,25	1,07	81,6	1,77	2,20
cond. pressure	-23	-10	112,0	383	96,4	1,33	4,55	1,15	84,2	1,78	2,43
pc= 45/113	-15	5	174,6	596	150,2	1,78	6,08	1,53	98,0	1,85	3,80
return gas temp.	-9	15	227,8	778	196,0	2,12	7,23	1,82	107,5	1,90	4,99
RGT= 32/90	0	32	344,5	1177	296,5	2,82	9,64	2,43	122,1	1,98	7,62
liquid temp	4,4	40	412,7	1410	355,2	3,24	11,05	2,79	127,5	2,01	9,18
Tliq= 45/113	10	50	511,6	1747	440,3	3,87	13,20	3,33	132,3	2,04	11,48
[°C / °F]	-25	-13	81,7	279	70,3	0,99	3,38	0,85	82,7	1,77	1,95
cond. pressure	-23	-10	91,0	311	78,3	1,06	3,62	0,91	85,9	1,79	2,18
pc= 55/131	-15	5	145,7	498	125,4	1,41	4,81	1,21	103,4	1,88	3,51
return gas temp	-9	15	191,7	655	164,9	1,66	5,67	1,43	115,4	1,94	4,64
RGT= 32/90	0	32	292,3	998	251,6	2,18	7,43	1,87	134,3	2,05	7,15
liquid temp	4,4	40	351,3	1200	302,4	2,48	8,46	2,13	141,9	2,10	8,65
Tliq= 55/131	10	50	437,2	1493	376,3	2,93	10,00	2,52	149,4	2,16	10,87

Model

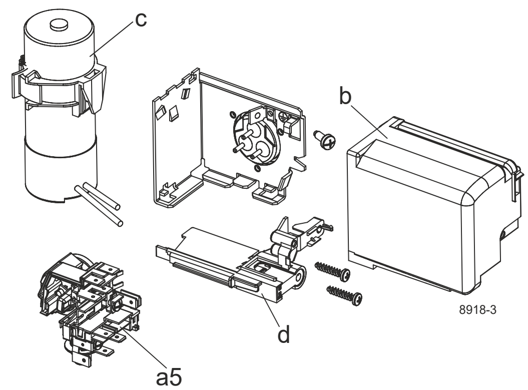
Designation	**KLE4.0GFMX**	**115-127V/60Hz**	**Conf. 4**	Sales code:	**106G6413**

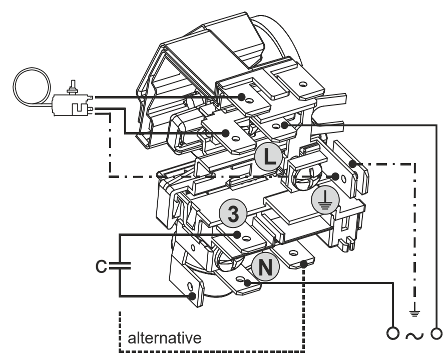
Configuration

Motor configuration	CSIR
Power supply (nominal)	115-127V/60Hz 1~
Refrigerant	R513A
Application	LBP+MBP+HBP
Voltage range	95-140V
Starting torque	HST
Approvals	UL
	CCC
	CB

Electrical accessories / wiring diagram

CSIR

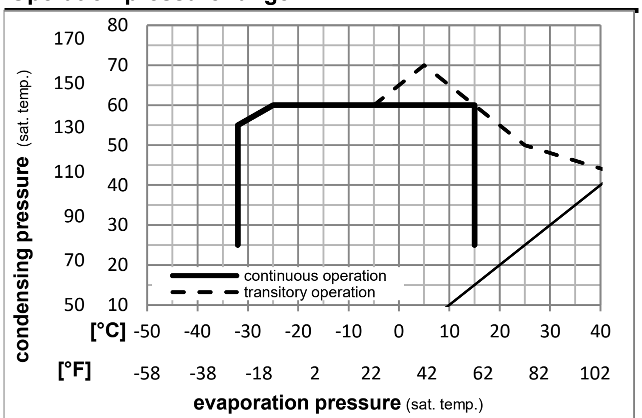


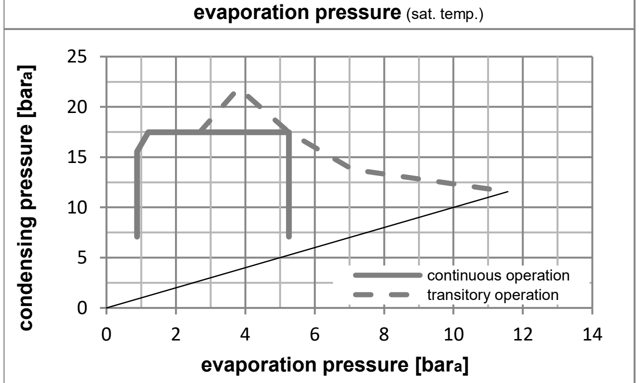


Ambient/ machine room temperatures minimum /maximum

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

Operation pressure range





Components (incl. and pre. assembl.)

a5	current relay (T0377/L6 S1)	117U7081
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	KLE4.0GFMX	115-127V/60Hz	Conf. 4	Sales code:	106G6413

Optimization + standard conditions R513A, 120V/60Hz, CSIR, static, UL, CCC, CB

pe = Evaporating pressure (saturation temperature); pc = Condensing pressure (saturation temperature); RGT = Return gas temp.; Tliq = Liquid temp.; Cooling capacity; COP; EER; P1 = Power consumption; I = Current consumption; ṁ = Ref. mass flow

	pe	pc	RGT	Tliq	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	ṁ [kg/h]	
[°C] [°F]	-23 -10	54 130	32 90	32 90	129,5	442	111,4	1,21	4,12	1,04	107,3	1,77	2,79	**ASHRAE LBP**
[°C] [°F]	-7 20	54 130	35 95	46 115	271,5	927	233,7	1,79	6,13	1,54	151,3	2,01	6,65	**ASHRAE MBP**
[°C] [°F]	7,2 45	54 130	35 95	46 115	495,2	1691	426,1	2,58	8,82	2,22	191,6	2,27	12,30	**ASHRAE HBP**
[°C] [°F]	-35 -31	40 104	20 68	40 104	71,2	243	61,3	0,85	2,91	0,73	83,6	1,66	1,76	**EN12900 LBP**
[°C] [°F]	-10 14	45 113	20 68	45 113	244,0	833	210,0	1,81	6,18	1,56	134,7	1,91	6,47	**EN12900 MBP**
[°C] [°F]	5 41	50 122	20 68	50 122	418,2	1428	359,9	2,35	8,03	2,02	177,8	2,18	11,99	**EN12900 HBP**

Performance tables R513A, 120V/60Hz, CSIR, static, UL, CCC, CB

	pe [°C]	pe [°F]	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	m [kg/h]
[°C / °F]	-32	-26	77,5	265	66,7	0,88	2,99	0,75	88,4	1,68	1,88
cond. pressure	-23	-10	130,0	444	111,9	1,24	4,22	1,06	105,2	1,76	3,17
pc= 45/113	-15	5	200,9	686	172,9	1,63	5,57	1,40	123,2	1,85	4,92
return gas temp.	-9	15	261,8	894	225,3	1,92	6,57	1,66	136,0	1,92	6,44
RGT= 32/90	0	32	395,3	1350	340,2	2,50	8,52	2,15	158,4	2,05	9,81
liquid temp	7,2	45	526,9	1799	453,5	3,00	10,25	2,58	175,6	2,16	13,18
Tliq= 45/113	10	50	585,1	1998	503,5	3,21	10,98	2,77	182,0	2,21	14,69
[°C / °F]	-32	-26	58,8	201	50,6	0,67	2,28	0,57	88,3	1,68	1,61
cond. pressure	-23	-10	101,7	347	87,5	0,95	3,23	0,81	107,6	1,77	2,79
pc= 55/131	-15	5	160,2	547	137,8	1,24	4,25	1,07	128,8	1,88	4,41
return gas temp	-9	15	211,1	721	181,7	1,47	5,01	1,26	144,1	1,97	5,84
RGT= 32/90	0	32	324,7	1109	279,5	1,90	6,47	1,63	171,3	2,13	9,07
liquid temp	7,2	45	438,5	1497	377,3	2,27	7,77	1,96	192,7	2,28	12,36
Tliq= 55/131	10	50	489,2	1671	421,0	2,43	8,31	2,09	201,0	2,34	13,85

Model

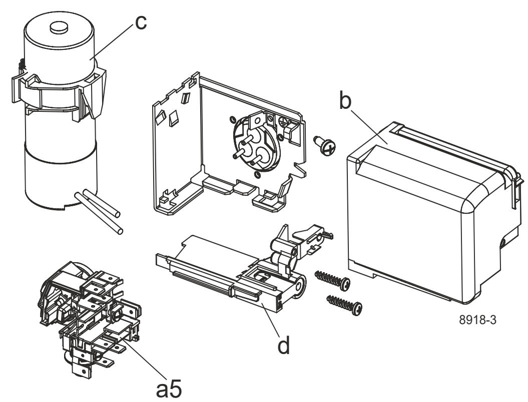
Designation	**KLE4.0GFMX**	**100-127V/60Hz**	**Conf. 5**	Sales code:	**106G6413**

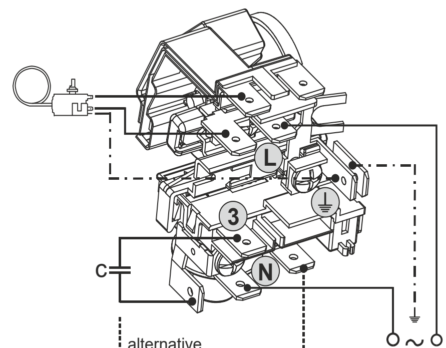
Configuration

Motor configuration	CSIR
Power supply (nominal)	100-127V/60Hz 1~
Refrigerant	R513A
Application	LBP+MBP
Voltage range	90-140V
Starting torque	HST
Approvals	UL
	CCC
	CB

Electrical accessories / wiring diagram

CSIR





Components (incl. and pre. assembl.)

a5	current relay (T0377/L6 S1)	117U7081
c	start capacitor (240µF)	117U5002
b, d	cover + clamp + screws(5VA-compl.)	103N0600

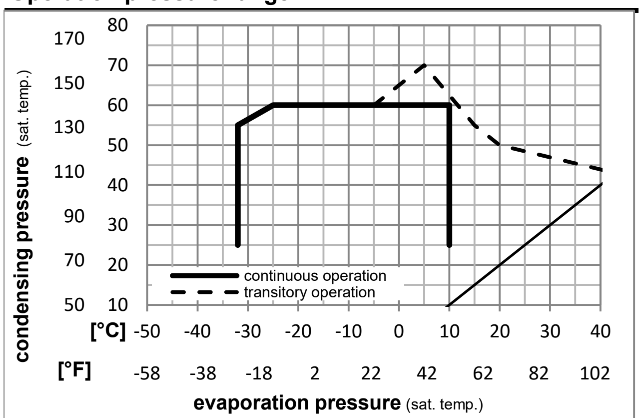
Alternative comp.

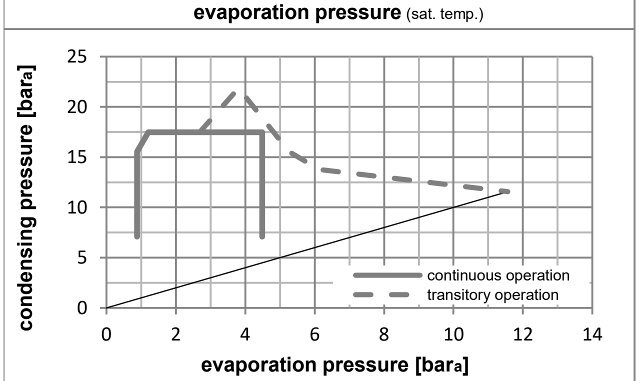
b, d	100x cover + clamp + screws(5VA)	103N2060
b, d	cover + clamp + screws(5VA) in bag	103N1060

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





Model

Designation	KLE4.0GFMX	100-127V/60Hz	Conf. 5	Sales code:	106G6413

Optimization + standard conditions R513A, 100V/60Hz, CSIR, static, UL, CCC, CB

pe: Evaporating pressure (saturation temperature); pc: Condensing pressure (saturation temperature); RGT: Return gas temp.; Tliq: Liquid temp.; Cooling capacity; COP; EER; P1: Power consumption; I: Current consumption; ṁ: Ref. mass flow

	pe	pc	RGT	Tliq	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	ṁ [kg/h]	
[°C] [°F]	-23 -10	54 130	32 90	32 90	149,0	509	128,3	1,49	5,09	1,28	100,1	1,59	3,21	ASHRAE LBP
[°C] [°F]	-7 20	54 130	35 95	46 115	303,2	1036	261,0	2,09	7,14	1,80	145,0	1,93	7,43	ASHRAE MBP
[°C] [°F]	7,2 45	54 130	35 95	46 115	535,2	1828	460,6	3,07	10,48	2,64	174,5	2,18	13,30	ASHRAE HBP
[°C] [°F]	-35 -31	40 104	20 68	40 104	74,9	256	64,5	1,01	3,46	0,87	74,0	1,45	1,85	EN12900 LBP
[°C] [°F]	-10 14	45 113	20 68	45 113	267,7	914	230,4	2,11	7,22	1,82	126,7	1,78	7,09	EN12900 MBP
[°C] [°F]	5 41	50 122	20 68	50 122	452,1	1544	389,1	2,80	9,56	2,41	161,4	2,07	12,96	EN12900 HBP

Performance tables R513A, 100V/60Hz, CSIR, static, UL, CCC, CB

	pe [°C]	pe [°F]	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	m [kg/h]
[°C / °F]	-32	-26	85,3	291	73,4	1,07	3,66	0,92	79,5	1,47	2,07
cond. pressure	-23	-10	145,3	496	125,1	1,49	5,10	1,28	97,4	1,57	3,54
pc= 45/113	-15	5	222,2	759	191,2	1,92	6,55	1,65	115,9	1,70	5,44
return gas temp.	-9	15	286,9	980	246,9	2,24	7,67	1,93	127,8	1,79	7,06
RGT= 32/90	0	32	427,5	1460	367,9	2,94	10,04	2,53	145,4	1,93	10,60
liquid temp	7,2	45	565,5	1931	486,7	3,65	12,46	3,14	155,0	2,02	14,15
Tliq= 45/113	10	50	626,7	2140	539,3	3,98	13,60	3,43	157,4	2,04	15,73
[°C / °F]	-32	-26	62,7	214	54,0	0,81	2,76	0,69	77,7	1,45	1,71
cond. pressure	-23	-10	116,6	398	100,3	1,16	3,97	1,00	100,2	1,59	3,20
pc= 55/131	-15	5	182,7	624	157,2	1,48	5,06	1,27	123,3	1,76	5,03
return gas temp	-9	15	237,6	811	204,4	1,72	5,86	1,48	138,5	1,88	6,57
RGT= 32/90	0	32	356,5	1217	306,8	2,20	7,53	1,90	161,8	2,07	9,96
liquid temp	7,2	45	473,9	1618	407,8	2,69	9,20	2,32	175,9	2,20	13,36
Tliq= 55/131	10	50	526,1	1797	452,8	2,92	9,98	2,51	180,1	2,23	14,89

Model

Designation	**KLE4.0GFMX**	**100V/50Hz**	**Conf. 6**	Sales code:	**106G6413**

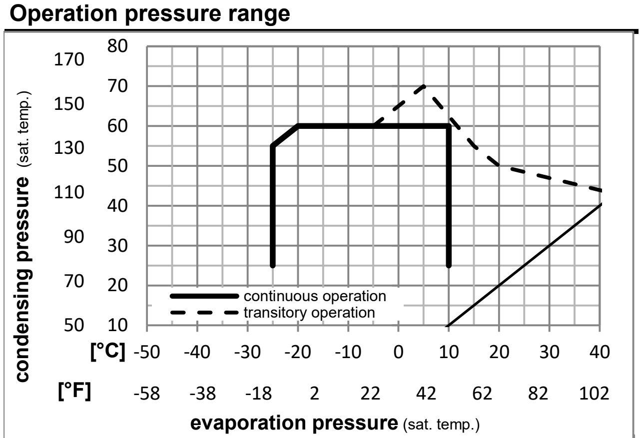
Configuration

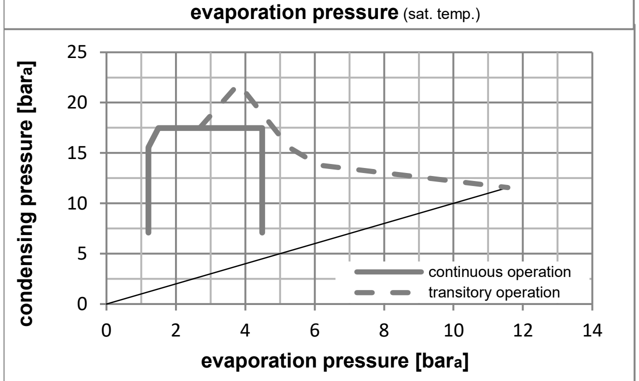
Motor configuration	CSIR
Power supply (nominal)	100V/50Hz 1~
Refrigerant	R513A
Application	MBP
Voltage range	90-110V
Starting torque	HST
Approvals	UL
	CCC
	CB

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

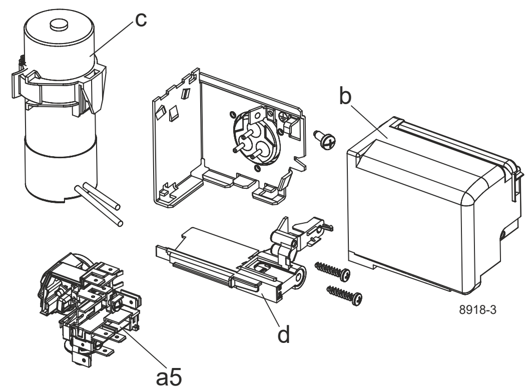
Operation pressure range

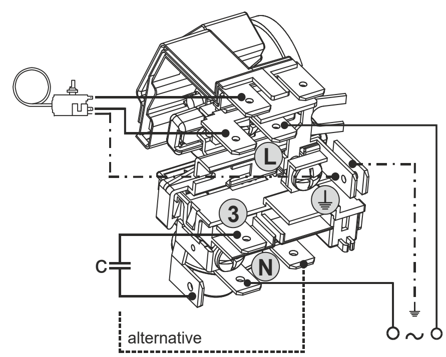




Electrical accessories / wiring diagram

CSIR





Components (incl. and pre. assembl.)

a5	current relay (T0377/L6 S1)	117U7081
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	KLE4.0GFMX	100V/50Hz	Conf. 6	Sales code:	106G6413

Optimization + standard conditions R513A, 100V/50Hz, CSIR, static, UL, CCC, CB

pe: Evaporating pressure (saturation temperature); pc: Condensing pressure (saturation temperature); RGT: Return gas temp.; Tliq: Liquid temp.; Cooling capacity; COP; EER; P1: Power consumption; I: Current consumption; ṁ: Ref. mass flow

	pe	pc	RGT	Tliq	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	ṁ [kg/h]	
[°C]	-23	54	32	32	124,5	425	107,1	1,36	4,63	1,17	91,8	1,82	2,68	ASHRAE LBP
[°F]	-10	130	90	90										
[°C]	-7	54	35	46	253,6	866	218,3	2,00	6,82	1,72	127,0	2,01	6,21	ASHRAE MBP
[°F]	20	130	95	115										
[°C]	7,2	54	35	46	448,0	1530	385,5	2,96	10,12	2,55	151,2	2,17	11,13	ASHRAE HBP
[°F]	45	130	95	115										
[°C]	-35	40	20	40	62,4	213	53,7	0,81	2,76	0,70	77,2	1,76	1,54	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-10	45	20	45	223,7	764	192,5	2,00	6,83	1,72	111,9	1,92	5,93	EN12900 MBP
[°F]	14	113	68	113										
[°C]	5	50	20	50	378,3	1292	325,6	2,69	9,18	2,31	140,8	2,09	10,85	EN12900 HBP
[°F]	41	122	68	122										

Performance tables R513A, 100V/50Hz, CSIR, static, UL, CCC, CB

	pe [°C]	pe [°F]	Cooling capacity [W]	[Btu/h]	[kcal/h]	COP [W/W]	EER [Btu/Wh]	[kcal/Wh]	P1 [W]	I [A]	m [kg/h]
[°C / °F]	-23	-10	121,3	414	104,4	1,35	4,63	1,17	89,6	1,81	2,96
cond. pressure	-23	-10	121,3	414	104,4	1,35	4,63	1,17	89,6	1,81	2,96
pc= 45/113	-15	5	185,7	634	159,8	1,80	6,14	1,55	103,2	1,87	4,55
return gas temp.	-9	15	239,8	819	206,4	2,13	7,26	1,83	112,8	1,92	5,90
RGT= 32/90	0	32	357,5	1221	307,6	2,80	9,56	2,41	127,7	2,01	8,87
liquid temp	4,4	40	425,7	1454	366,4	3,20	10,93	2,75	133,1	2,04	10,61
Tliq= 45/113	10	50	524,3	1790	451,2	3,81	13,02	3,28	137,5	2,07	13,16
[°C / °F]	-23	-10	97,4	332	83,8	1,06	3,61	0,91	92,0	1,82	2,67
cond. pressure	-23	-10	97,4	332	83,8	1,06	3,61	0,91	92,0	1,82	2,67
pc= 55/131	-15	5	152,7	521	131,4	1,40	4,77	1,20	109,4	1,91	4,21
return gas temp	-9	15	198,6	678	171,0	1,63	5,58	1,41	121,6	1,98	5,50
RGT= 32/90	0	32	298,3	1019	256,7	2,12	7,23	1,82	140,9	2,10	8,33
liquid temp	4,4	40	356,3	1217	306,6	2,40	8,20	2,07	148,4	2,15	10,01
Tliq= 55/131	10	50	440,5	1504	379,1	2,83	9,67	2,44	155,5	2,20	12,47