

Model

Designation	NLE12.6MF.2	220-240V/50Hz 1~	220-240V/60Hz 1~	Sales code:	105G6387
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R134a, R513A
Oil viscosity	19,2cSt	Displacement	12,55cm ³ / 0,77cu.in
Oil quantity	295cm ³ / 10fl.oz	Compressors on pallet	80
Refr. charge - tech. limit	600g / 21,2oz		
Free gas volume comp.	2360cm ³ / 79,8fl.oz		
Weight	11,5kg / 25,4lbs		
Motor protection	1# internal		
Winding resistance main	4,94Ω (at 25°C)		
Winding resistance aux	8,89Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	120°C / 248°F		



General - Configurations with NLE12.6MF.2

	Conf. 1	Conf. 2	Conf. 3	Conf. 4	Conf. 5
Motorconfiguration	CSIR	eRSIR	eRSCR	CSIR	eRSCR
Power supply (nominal)	220-240V/50Hz	220-240V/50Hz	220-240V/50Hz	220-240V/60Hz	220-240V/60Hz
Number of phases	1	1	1	1	1
Voltage range	198-254V	198-254V	198-254V	198-254V	198-254V
Approvals	CCC	CCC	CCC	CCC	CCC
Starting torque	HST	LST	LST	HST	LST
Note	R513A on page 13				

Applications with NLE12.6MF.2

	Conf. 1	Conf. 2	Conf. 3	Conf. 4	Conf. 5
Refrigerant	R134a	R134a	R134a	R134a	R134a
Application	LBP+MBP	LBP+MBP	LBP+MBP	LBP	LBP
System cooling	fan 3m/s	fan 3m/s	fan 3m/s	fan 3m/s	fan 3m/s
Hot gas defrost	OK	OK	OK	OK	OK
Long interval pull down	OK	OK	OK	-/-	-/-

Electrical data - Configurations with NLE12.6MF.2

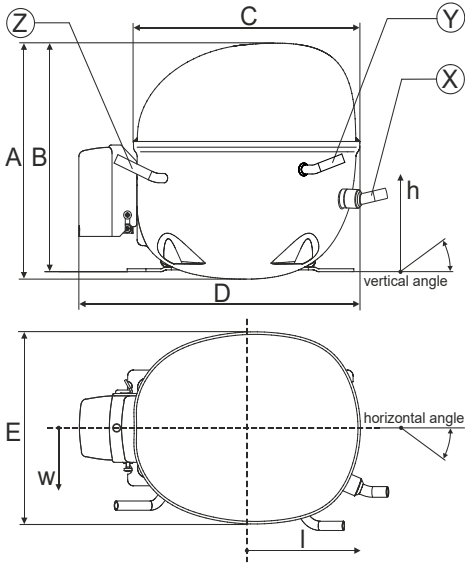
	Conf. 1	Conf. 2	Conf. 3	Conf. 4	Conf. 5
Starting device type	relay	e-PTC	e-PTC	relay	e-PTC
Run capacitor	-/-	-/-	4μF	-/-	4μF
Start capacitor	80μF	-/-	-/-	80μF	-/-
LRA (locked rotor amps / 4s/ U(N))	13,65A	14,45A	14,2A	13,06A	12,87A
RLA (rated load amps / 1s/ U(N))	2,8A	2,8A	2,5A	2,22A	2,03A
Cut in current (U(N))	13,65A	19,4A	19,4A	13,06A	17,92A

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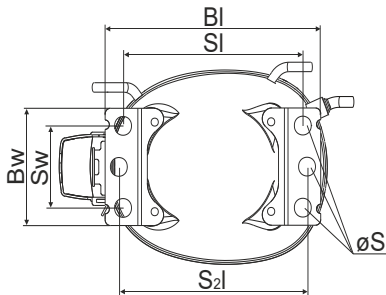
Compressor dimensions

Housing	A Height	203mm / 7,99in
	B Height	197mm / 7,76in
	C Length shell	205mm / 8,07in
	D Length w. cover	254mm / 10in
	E Width	166mm / 6,54in

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°	0°	0°	0°
Vertical angle ±2°	15°	21°	155°
Position l/h/w [mm]	132/69/57	94/102/81	-109/94/72
[in]	5,2/2,7/2,2	3,7/4/3,2	-4,3/3,7/2,8
Straight tube l. [mm]	12	12	12
[in]	0,5	0,5	0,5



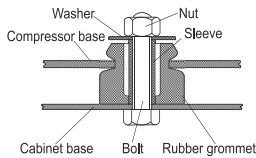
Compressor fixation



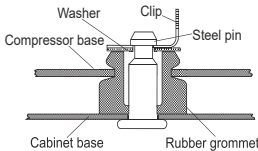
Baseplate	[mm]	[inch]
BI	204	8.03
Bw	100	3.94

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

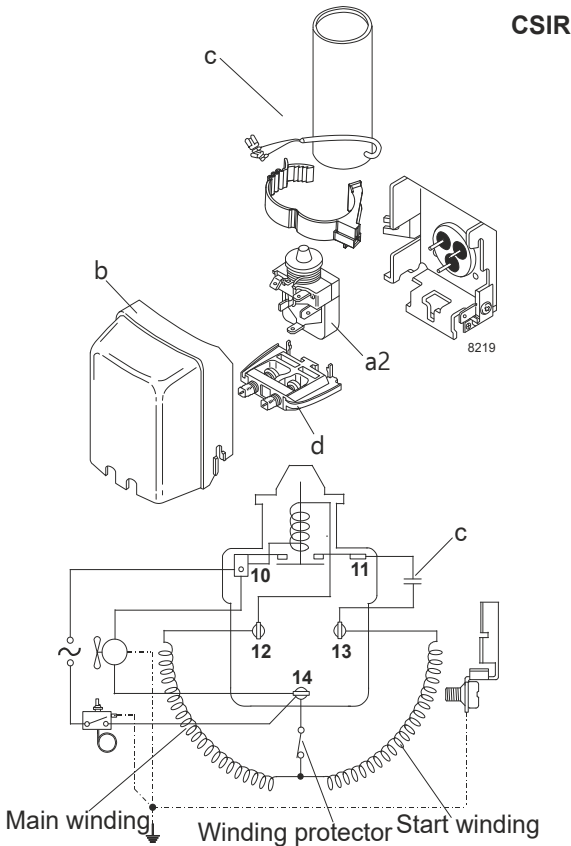
Provision for PE Grounding is located at the PE Stamp on the compressor

Model				
Designation	NLE12.6MF.2	220-240V/50Hz	Conf. 1	Sales code: 105G6387

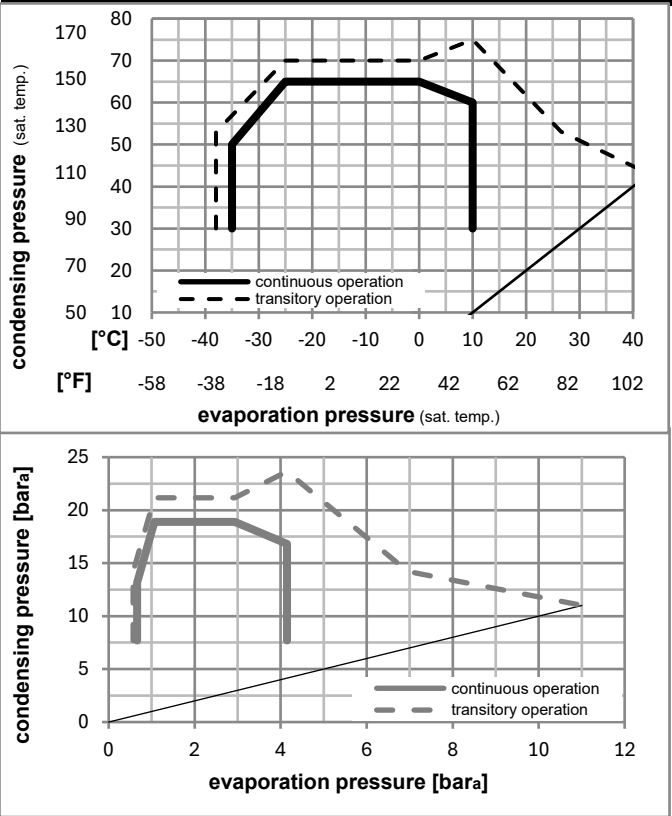
Configuration	Electrical accessories / wiring diagram			
Motorconfiguration	CSIR			
Power supply (nominal)	220-240V/50Hz 1~			
Refrigerant	R134a			
Application	LBP+MBP			
Voltage range	198-254V			
Starting torque	HST			
Approvals	CCC			

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

a2	relay	117U6005
c	start capacitor (80μF)	117U5015
b	plastic cover	103N2010
d	cord relief	103N1010

Alternative components

b	plastic cover	103N2011
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Model

Designation	NLE12.6MF.2	220-240V/50Hz	Conf. 1	Sales code:	105G6387
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Optimization + standard conditions

R134a, 220V/50Hz, CSIR, fan 3m/s, CCC

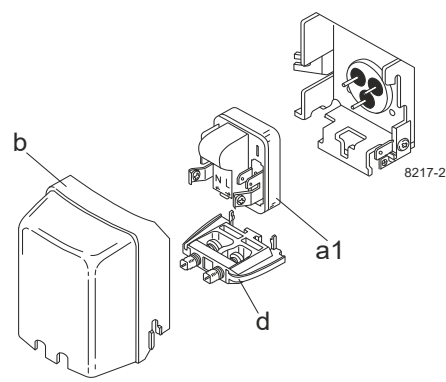
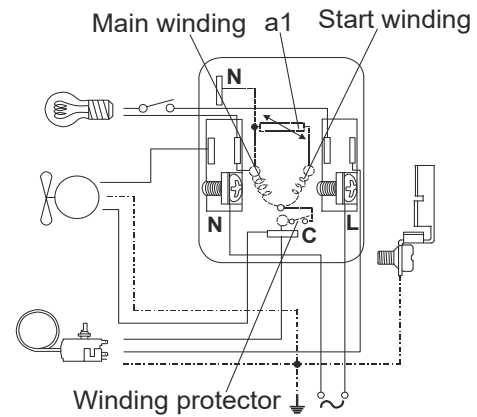
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Performance tables

R134a, 220V/50Hz, CSIR, fan 3m/s, CCC

	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	197,3	674	169,8	1,12	3,82	0,96	176,4	1,97	4,26
cond. pressure	-25	-13	312,2	1066	268,7	1,38	4,72	1,19	225,7	2,02	6,76
pc= 45/113	-15	5	532,3	1818	458,1	1,82	6,23	1,57	291,9	2,18	11,60
return gas temp.	-10	14	681,9	2329	586,9	2,07	7,07	1,78	329,3	2,29	14,92
RGT= 32/90	0	32	1060,1	3620	912,3	2,60	8,87	2,23	408,2	2,56	23,44
liquid temp	5	41	1288,6	4401	1109,0	2,88	9,82	2,48	448,0	2,70	28,69
Tliq= 45/113	10	50	1543,6	5272	1328,4	3,17	10,82	2,73	487,0	2,85	34,64
[°C / °F]	-35	-31	198,1	677	170,5	1,12	3,81	0,96	177,6	1,98	4,71
cond. pressure	-25	-13	265,4	906	228,4	1,16	3,97	1,00	228,5	2,03	6,35
pc= 55/131	-15	5	439,7	1502	378,4	1,46	4,98	1,26	301,4	2,21	10,58
return gas temp	-10	14	567,0	1936	487,9	1,65	5,63	1,42	343,9	2,34	13,71
RGT= 32/90	0	32	901,8	3080	776,1	2,06	7,05	1,78	436,9	2,66	22,06
liquid temp	5	41	1109,3	3788	954,7	2,28	7,80	1,97	485,6	2,84	27,33
Tliq= 55/131	10	50	1343,6	4589	1156,3	2,51	8,58	2,16	534,7	3,04	33,40

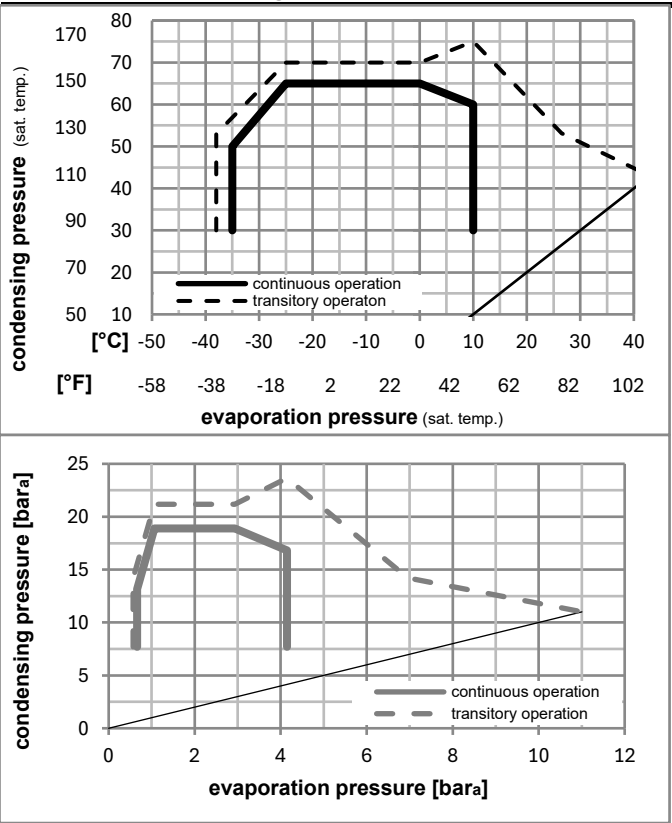
Model				
Designation	NLE12.6MF.2	220-240V/50Hz	Conf. 2	Sales code: 105G6387

Configuration		Electrical accessories / wiring diagram		
Motorconfiguration	eRSIR	RSIR 		
Power supply (nominal)	220-240V/50Hz 1~			
Refrigerant	R134a			
Application	LBP+MBP			
Voltage range	198-254V			
Starting torque	LST			
Approvals	CCC			

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		
a1	e-PTC starter (220V, 25Ohm, 4.8mm)	103N0050
b	plastic cover	103N2010
d	cord relief	103N1010

Alternative components		
b	plastic cover	103N2011

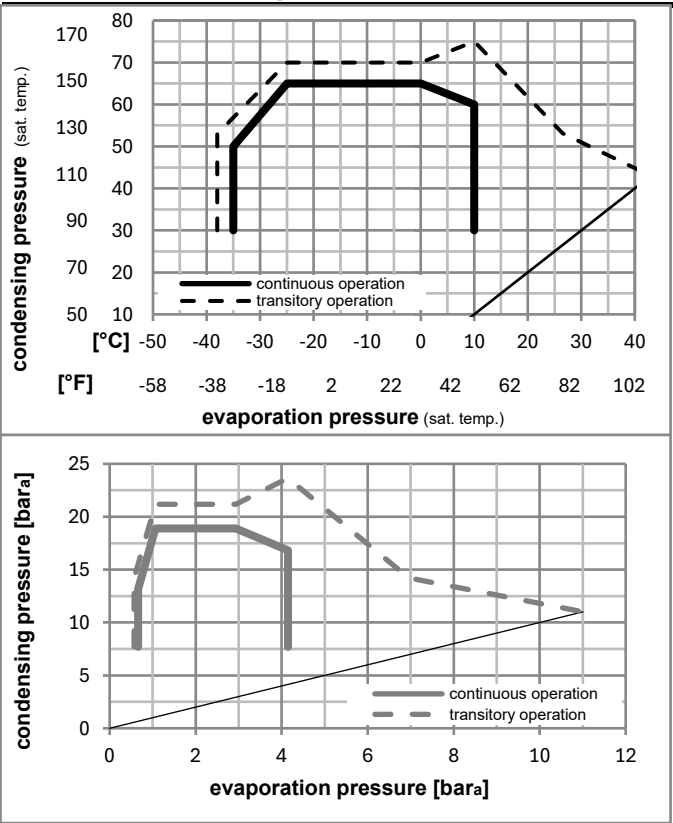
Model				
Designation	NLE12.6MF.2	220-240V/50Hz	Conf. 3	Sales code: 105G6387

Configuration		Electrical accessories / wiring diagram		
Motorconfiguration	eRSCR	RSCR		
Power supply (nominal)	220-240V/50Hz 1~			
Refrigerant	R134a			
Application	LBP+MBP			
Voltage range	198-254V			
Starting torque	LST			
Approvals	CCC			

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		
a1	e-PTC starter (220V, 25Ohm, 4.8mm)	103N0050
e	run capacitor (4μF, 4.8mm)	117-7119
b	plastic cover	103N2010
d	cord relief	103N1010
	bracket for run capacitor	117-0300
	screw M4x8mm	117-0301
Alternative components		
b	plastic cover	103N2011

Model					
Designation	NLE12.6MF.2	220-240V/50Hz	Conf. 3	Sales code:	105G6387
Optimization + standard conditions			R134a, 220V/50Hz, eRSCR, fan 3m/s, CCC		

Evaporating pressure (saturation temperature)														
Condensing pressure (saturation temperature)														
Return gas temp.														
Liquid temp.														
Cooling capacity														
COP														
EER														
Power consumption														
Current consumption														
Ref. mass flow														
pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	P1	I	m		
[°C]										[W]	[A]	[kg/h]		
[°C]	-23	54	32	32	360,1	1230	309,9	1,55	5,28	1,33	232,7	2,00	6,99	ASHRAE LBP
[°F]	-10	130	90	90										
[°C]	-25	55	32	55	269,5	921	232,0	1,21	4,14	1,04	222,2	1,97	6,45	cecomaf LBP
[°F]	-13	131	90	131										
[°C]	-35	40	20	40	199,7	682	171,9	1,18	4,04	1,02	168,7	1,90	4,38	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-7	54	35	46	750,7	2564	646,1	2,07	7,07	1,78	362,5	2,36	16,38	ASHRAE MBP
[°F]	20	130	95	115										
[°C]	-10	55	32	55	575,8	1967	495,6	1,72	5,88	1,48	334,4	2,27	13,92	cecomaf MBP
[°F]	14	131	90	131										
[°C]	-10	45	20	45	667,6	2280	574,5	2,09	7,12	1,79	320,1	2,23	15,63	EN12900 MBP
[°F]	14	113	68	113										

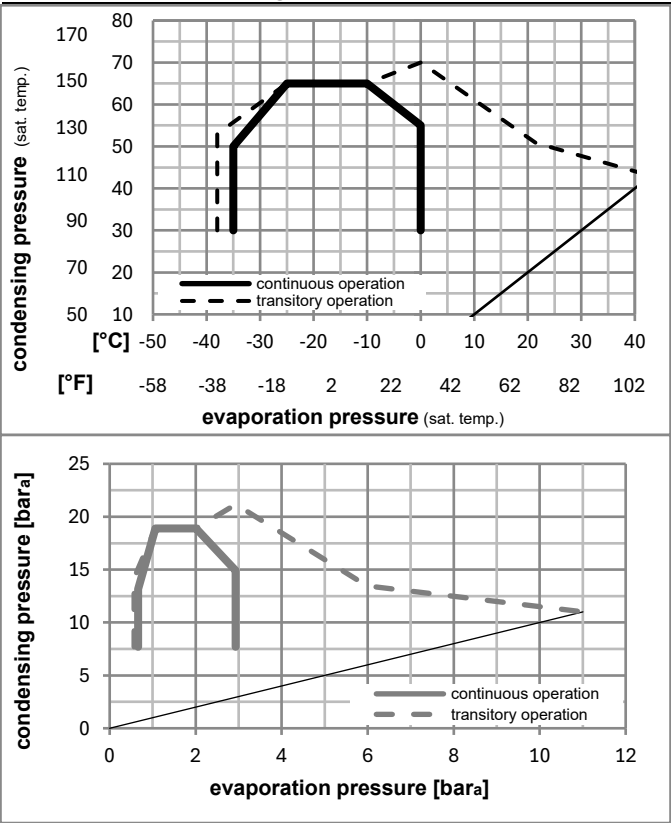
Model				
Designation	NLE12.6MF.2	220-240V/60Hz	Conf. 4	Sales code: 105G6387

Configuration		Electrical accessories / wiring diagram		
Motorconfiguration	CSIR	CSIR		
Power supply (nominal)	220-240V/60Hz 1~			
Refrigerant	R134a			
Application	LBP			
Voltage range	198-254V			
Starting torque	HST			
Approvals	CCC			

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

a2	relay	117U6005
c	start capacitor (80μF)	117U5015
b	plastic cover	103N2010
d	cord relief	103N1010

Alternative components

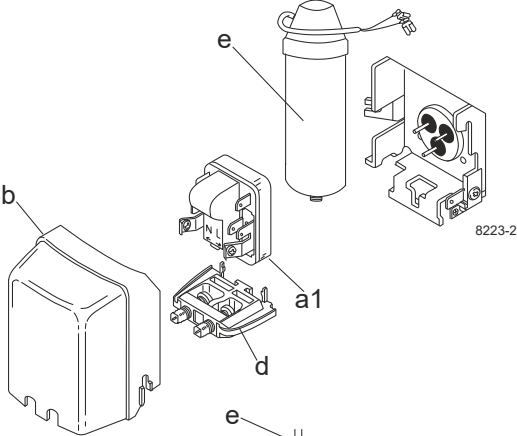
b	plastic cover	103N2011
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Model					
Designation	NLE12.6MF.2	220-240V/60Hz	Conf. 4	Sales code:	105G6387
Optimization + standard conditions			R134a, 220V/60Hz, CSIR, fan 3m/s, CCC		

Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)						Power consumption			
					Return gas temp.						Current consumption			
					Liquid temp.						Ref. mass flow			
					Cooling capacity			COP	EER		P1	I	m	
	pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]	
[°C]	-23	54	32	32										
[°F]	-10	130	90	90	427,1	1459	367,6	1,50	5,11	1,29	285,5	2,45	8,29	ASHRAE LBP
[°C]	-25	55	32	55										
[°F]	-13	131	90	131	319,7	1092	275,2	1,17	4,01	1,01	272,6	2,42	7,64	cecomaf LBP
[°C]	-35	40	20	40										
[°F]	-31	104	68	104	236,9	809	203,9	1,14	3,91	0,98	207,0	2,33	5,20	EN12900 LBP
[°C]	-7	54	35	46										
[°F]	20	130	95	115	890,5	3041	766,4	2,00	6,84	1,72	444,8	2,90	19,43	ASHRAE MBP
[°C]	-10	55	32	55										
[°F]	14	131	90	131	683,0	2333	587,8	1,66	5,69	1,43	410,3	2,79	16,52	cecomaf MBP
[°C]	-10	45	20	45										
[°F]	14	113	68	113	791,9	2704	681,5	2,02	6,88	1,73	392,8	2,73	18,54	EN12900 MBP

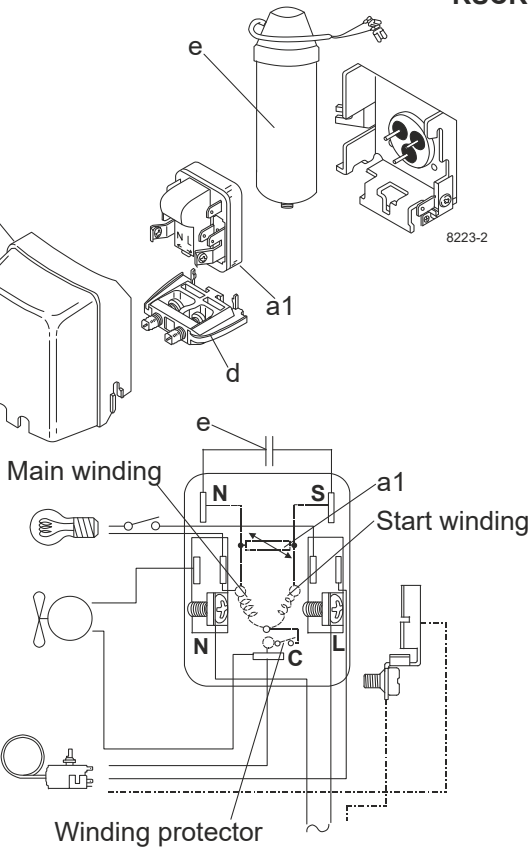
Performance tables										R134a, 220V/60Hz, CSIR, fan 3m/s, CCC		
	pe		Cooling capacity			COP		EER		P1	I	m
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]		[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]
[°C / °F]	-35	-31	237,7	812	204,6	1,13		3,86	0,97	210,5	2,35	5,13
cond. pressure	-30	-22	291,0	994	250,5	1,23		4,20	1,06	236,8	2,36	6,29
pc= 45/113	-25	-13	376,1	1284	323,7	1,40		4,77	1,20	269,2	2,41	8,15
return gas temp.	-23	-10	412,2	1408	354,8	1,46		5,00	1,26	281,5	2,44	8,94
RGT= 32/90	-15	5	641,3	2190	551,9	1,84		6,29	1,58	348,3	2,60	13,98
liquid temp	-5	23	1033,5	3529	889,4	2,35		8,03	2,02	439,4	2,88	22,73
Tliq= 45/113	0	32	1277,1	4362	1099,1	2,62		8,96	2,26	487,0	3,05	28,24
[°C / °F]	-35	-31	238,7	815	205,4	1,13		3,85	0,97	211,8	2,37	5,68
cond. pressure	-30	-22	263,1	898	226,4	1,10		3,77	0,95	238,4	2,37	6,27
pc= 55/131	-25	-13	319,7	1092	275,2	1,17		4,01	1,01	272,6	2,42	7,64
return gas temp	-23	-10	346,3	1183	298,1	1,21		4,14	1,04	285,8	2,45	8,29
RGT= 32/90	-15	5	529,7	1809	455,9	1,47		5,03	1,27	359,5	2,63	12,75
liquid temp	-5	23	868,6	2966	747,5	1,87		6,39	1,61	464,5	2,97	21,11
Tliq= 55/131	0	32	1086,4	3710	934,9	2,08		7,12	1,79	521,2	3,17	26,57

Model				
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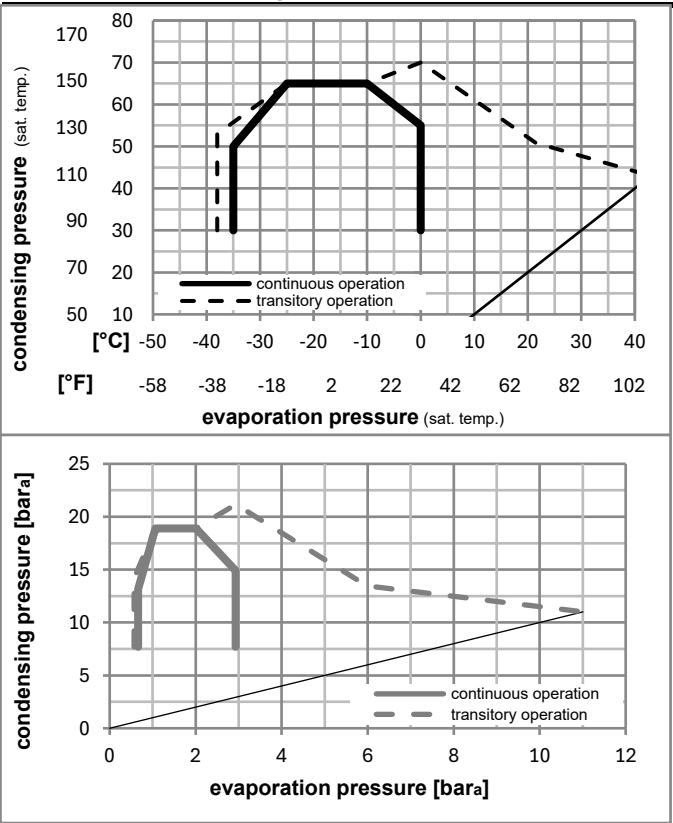
Configuration	Electrical accessories / wiring diagram			
Motorconfiguration	eRSCR	RSCR 		
Power supply (nominal)	220-240V/60Hz 1~			
Refrigerant	R134a			
Application	LBP			
Voltage range	198-254V			
Starting torque	LST			
Approvals	CCC			

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		
a1	e-PTC starter (220V, 25Ohm, 4.8mm)	103N0050
e	run capacitor (4μF, 4.8mm)	117-7119
b	plastic cover	103N2010
d	cord relief	103N1010
	bracket for run capacitor	117-0300
	screw M4x8mm	117-0301

Alternative components		
b	plastic cover	103N2011

Model					
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Optimization + standard conditions			R134a, 220V/60Hz, eRSCR, fan 3m/s, CCC		

	Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)					Power consumption							
	pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	COP	EER	[kcal/Wh]	P1	Current consumption		ASHRAE LBP				
												[°C]	[°F]		I	Ref. mass flow		
																	[A]	ṁ

[°C]	-23	54	32	32	433,8	1482	373,3	1,56	5,34	1,34	277,6	2,38	8,42	ASHRAE LBP
[°F]	-10	130	90	90										

[°C]	-25	55	32	55	324,7	1109	279,5	1,23	4,18	1,05	265,0	2,36	7,76	cecomaf LBP
[°F]	-13	131	90	131										

[°C]	-35	40	20	40	240,6	822	207,0	1,20	4,08	1,03	201,3	2,27	5,28	EN12900 LBP
[°F]	-31	104	68	104										

[°C]	-7	54	35	46	904,4	3089	778,4	2,09	7,14	1,80	432,5	2,82	19,73	ASHRAE MBP
[°F]	20	130	95	115										

[°C]	-10	55	32	55	693,7	2369	597,0	1,74	5,94	1,50	398,9	2,71	16,77	cecomaf MBP
[°F]	14	131	90	131										

[°C]	-10	45	20	45	804,3	2747	692,2	2,11	7,19	1,81	381,9	2,66	18,83	EN12900 MBP
[°F]	14	113	68	113										

Model

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Compressor design

Oil type	Polyolester	Refrigerant(s)	R134a, R513A
Oil viscosity	19,2cSt	Displacement	12,55cm ³ / 0,77cu.in
Oil quantity	295cm ³ / 10fl.oz	Compressors on pallet	80
Refr. charge - tech. limit	600g / 21,2oz		
Free gas volume comp.	2360cm ³ / 79,8fl.oz		
Weight	11,5kg / 25,4lbs		
Motor protection	1# internal		
Winding resistance main	4,94Ω (at 25°C)		
Winding resistance aux	8,89Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	120°C / 248°F		



General - Configurations with NLE12.6MF.2

	Conf. 1	Conf. 2	Conf. 3	Conf. 4
Motorconfiguration	CSIR	CSIR	eRSIR	eRSIR
Power supply (nominal)	220-240V/50Hz	220-240V/60Hz	220-240V/50Hz	220-240V/60Hz
Number of phases	1	1	1	1
Voltage range	198-254V	198-254V	198-254V	198-254V
Approvals	CCC	CCC	CCC	CCC
Starting torque	HST	HST	LST	LST
Note	- / -			

Applications with NLE12.6MF.2

	Conf. 1	Conf. 2	Conf. 3	Conf. 4
Refrigerant	R513A	R513A	R513A	R513A
Application	LBP+MBP	LBP	LBP+MBP	LBP
System cooling	fan 3m/s	fan 3m/s	fan 3m/s	fan 3m/s
Hot gas defrost	OK	OK	OK	OK
Long interval pull down	OK	-/-	OK	-/-

Electrical data - Configurations with NLE12.6MF.2

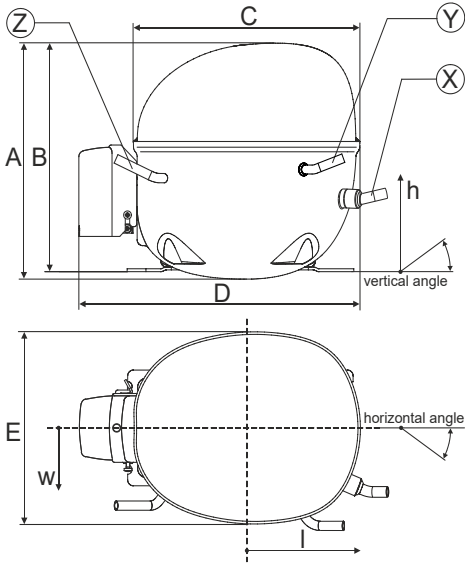
	Conf. 1	Conf. 2	Conf. 3	Conf. 4
Starting device type	relay	relay	e-PTC	e-PTC
Run capacitor	-/-	-/-	-/-	-/-
Start capacitor	80μF	80μF	-/-	-/-
LRA (locked rotor amps / 4s/ U(N))	13,65A	13,06A	14,45A	12,93A
RLA (rated load amps / 1s/ U(N))	2,8A	2,22A	2,8A	2,22A
Cut in current (U(N))	13,65A	13,06A	19,4A	17,92A

Model			
Designation	NLE12.6MF.2	220-240V/50Hz 1~ 220-240V/60Hz 1~	Sales code: 105G6387

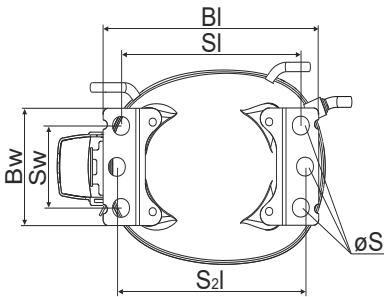
Compressor dimensions

Housing	A Height	203mm / 7,99in
	B Height	197mm / 7,76in
	C Length shell	205mm / 8,07in
	D Length w. cover	254mm / 10in
	E Width	166mm / 6,54in

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°	0°	0°	0°
Vertical angle	±2°	15°	21°	155°
Position l/h/w	[mm]	132/69/57	94/102/81	-109/94/72
	[in]	5,2/2,7/2,2	3,7/4/3,2	-4,3/3,7/2,8
Straight tube l.	[mm]	12	12	12
	[in]	0,5	0,5	0,5



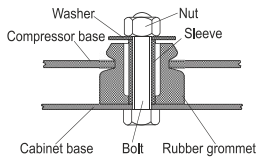
Compressor fixation



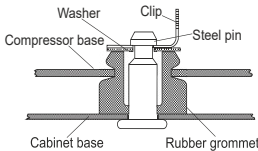
Baseplate	[mm]	[inch]
BI	204	8.03
Bw	100	3.94

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

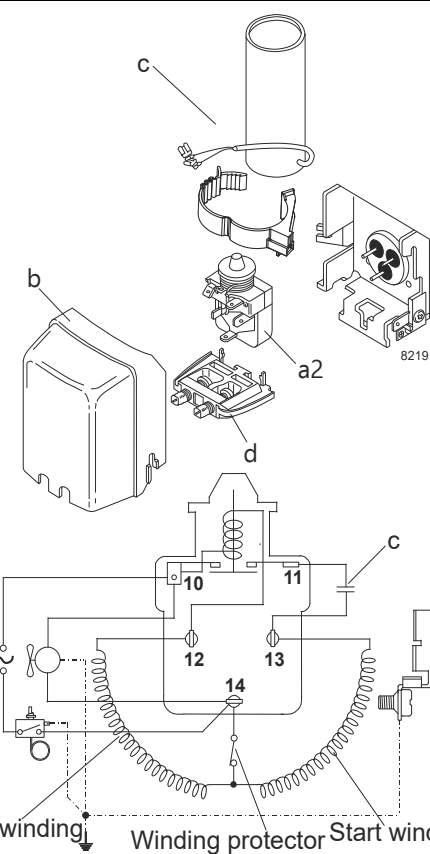


Mounting accessories	one comp.	multi pack
Bolt joint M6 ø16mm	118-1917	118-1918
Bolt joint ø1/4" ø16mm	118-1946	
Snap-on ø7,3 ø16mm	118-1947	118-1919

Application notes

Provision for PE Grounding is located at the PE Stamp on the compressor

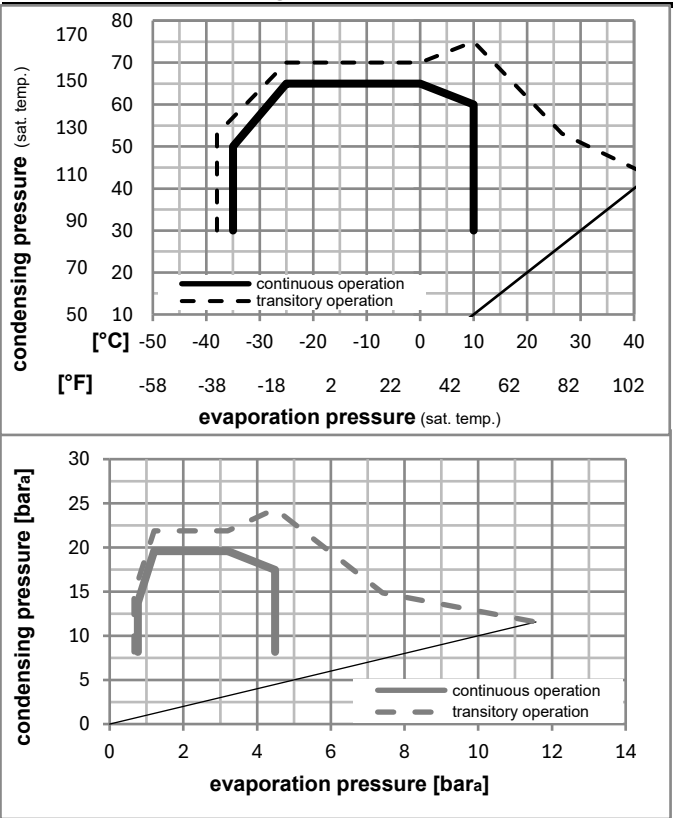
Model				
Designation	NLE12.6MF.2	220-240V/50Hz	Conf. 1	Sales code: 105G6387

Configuration		Electrical accessories / wiring diagram		
Motorconfiguration	CSIR	CSIR 		
Power supply (nominal)	220-240V/50Hz 1~			
Refrigerant	R513A			
Application	LBP+MBP			
Voltage range	198-254V			
Starting torque	HST			
Approvals	CCC			

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		
a2	relay	117U6005
c	start capacitor (80µF)	117U5015
b	plastic cover	103N2010
d	cord relief	103N1010

Alternative components		
b	plastic cover	103N2011

Model					
Designation	NLE12.6MF.2	220-240V/50Hz	Conf. 1	Sales code:	105G6387
Optimization + standard conditions			R513A, 220V/50Hz, CSIR, fan 3m/s, CCC		

	Evaporating pressure (saturation temperature)										Condensing pressure (saturation temperature)				Power consumption		
											Return gas temp.			Current consumption			
											Liquid temp.			Ref. mass flow			
											Cooling capacity						
											pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]
[°C]	-23	54	32	32	395,7	1351	340,5	1,53	5,21	1,31	259,2	2,17	8,52	ASHRAE LBP			
[°F]	-10	130	90	90													
[°C]	-25	55	32	55	289,7	989	249,3	1,17	3,98	1,00	248,6	2,14	7,93	cecomaf LBP			
[°F]	-13	131	90	131													
[°C]	-35	40	20	40	222,7	761	191,7	1,18	4,02	1,01	189,1	1,97	5,51	EN12900 LBP			
[°F]	-31	104	68	104													
[°C]	-7	54	35	46	775,6	2649	667,5	1,97	6,72	1,69	394,4	2,55	19,00	ASHRAE MBP			
[°F]	20	130	95	115													
[°C]	-10	55	32	55	587,7	2007	505,7	1,61	5,50	1,39	364,9	2,46	16,25	cecomaf MBP			
[°F]	14	131	90	131													
[°C]	-10	45	20	45	687,3	2347	591,5	1,97	6,73	1,70	348,8	2,42	18,22	EN12900 MBP			
[°F]	14	113	68	113													

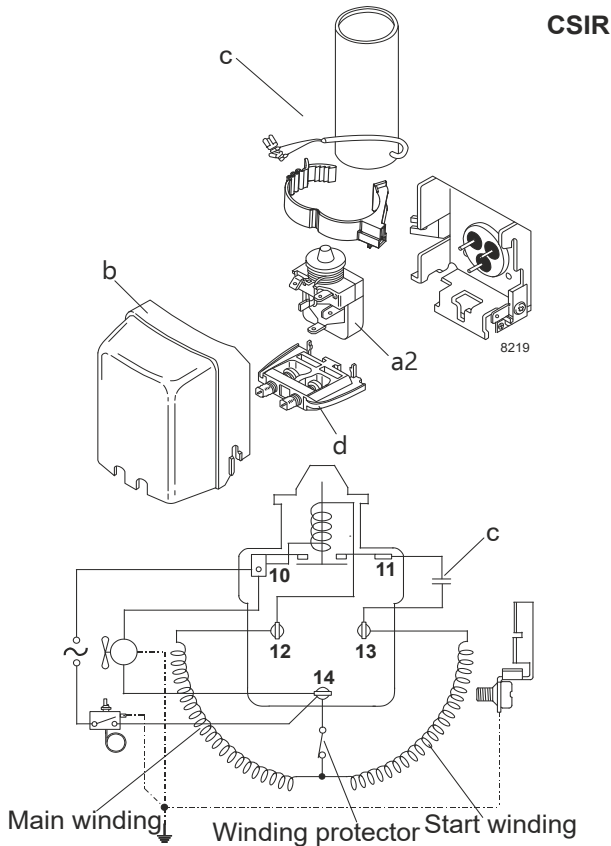
Performance tables						R513A, 220V/50Hz, CSIR, fan 3m/s, CCC					
	pe		Cooling capacity			COP	EER		P1	I	m
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]
[°C / °F]	-35	-31	227,3	776	195,6	1,17	4,00	1,01	194,1	1,99	5,52
cond. pressure	-25	-13	340,6	1163	293,2	1,40	4,79	1,21	242,9	2,12	8,30
pc= 45/113	-15	5	565,9	1933	487,0	1,82	6,22	1,57	310,5	2,31	13,87
return gas temp.	-10	14	718,7	2455	618,5	2,06	7,04	1,77	348,8	2,42	17,67
RGT= 32/90	0	32	1101,0	3760	947,5	2,57	8,76	2,21	429,0	2,64	27,31
liquid temp	5	41	1329,0	4539	1143,7	2,83	9,68	2,44	468,9	2,76	33,15
Tliq= 45/113	10	50	1580,6	5398	1360,3	3,12	10,64	2,68	507,2	2,86	39,68
[°C / °F]	-35	-31	233,8	798	201,2	1,17	3,99	1,01	200,1	2,00	6,37
cond. pressure	-25	-13	289,7	989	249,3	1,17	3,98	1,00	248,6	2,14	7,93
pc= 55/131	-15	5	460,8	1574	396,6	1,43	4,89	1,23	321,7	2,34	12,69
return gas temp	-10	14	587,7	2007	505,7	1,61	5,50	1,39	364,9	2,46	16,25
RGT= 32/90	0	32	920,5	3144	792,2	2,00	6,84	1,72	459,5	2,73	25,70
liquid temp	5	41	1124,9	3842	968,1	2,21	7,55	1,90	508,7	2,87	31,61
Tliq= 55/131	10	50	1353,8	4623	1165,1	2,43	8,29	2,09	557,9	3,00	38,33

Model				
Designation	NLE12.6MF.2	220-240V/60Hz	Conf. 2	Sales code: 105G6387

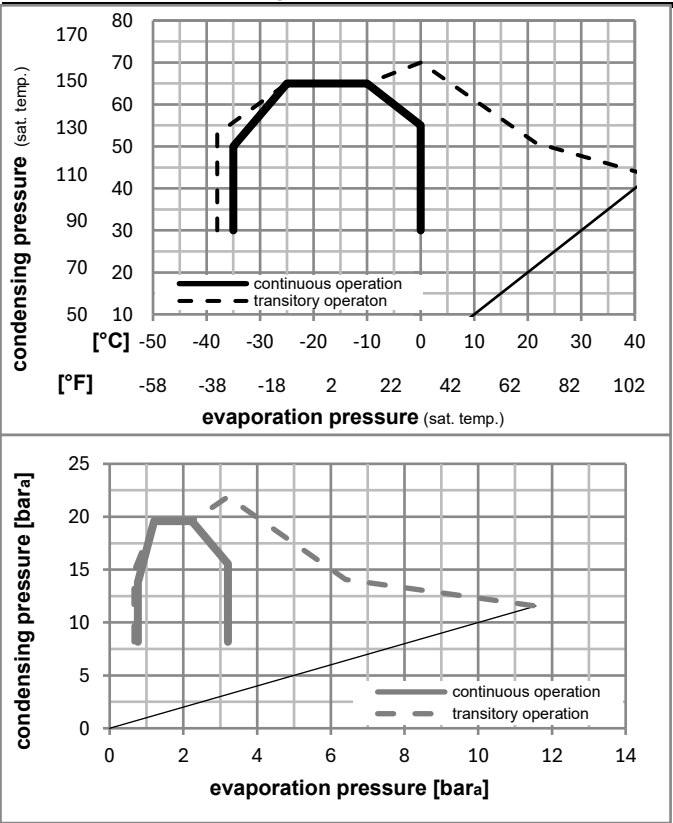
Configuration	Electrical accessories / wiring diagram			
Motorconfiguration	CSIR			
Power supply (nominal)	220-240V/60Hz 1~			
Refrigerant	R513A			
Application	LBP			
Voltage range	198-254V			
Starting torque	HST			
Approvals	CCC			

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



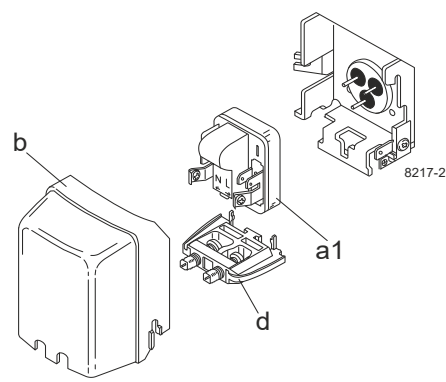
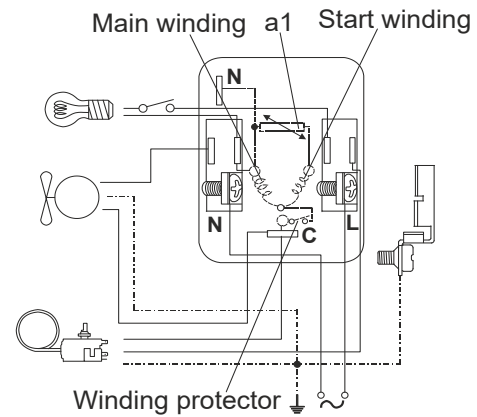
Components		
a2	relay	117U6005
c	start capacitor (80μF)	117U5015
b	plastic cover	103N2010
d	cord relief	103N1010

Alternative components		
b	plastic cover	103N2011

Model					
Designation	NLE12.6MF.2	220-240V/60Hz	Conf. 2	Sales code:	105G6387
Optimization + standard conditions			R513A, 220V/60Hz, CSIR, fan 3m/s, CCC		

Evaporating pressure (saturation temperature)														
Condensing pressure (saturation temperature)														
Return gas temp.														
Liquid temp.														
Cooling capacity														
COP														
EER														
Power consumption														
Current consumption														
Ref. mass flow														
pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	P1	I	m		
[°C]										[W]	[A]	[kg/h]		
[°C]	-23	54	32	32	476,3	1627	409,9	1,51	5,16	1,30	315,0	2,60	10,25	ASHRAE LBP
[°F]	-10	130	90	90										
[°C]	-25	55	32	55	348,7	1191	300,1	1,15	3,93	0,99	302,9	2,57	9,55	cecomaf LBP
[°F]	-13	131	90	131										
[°C]	-35	40	20	40	268,1	916	230,7	1,15	3,93	0,99	232,9	2,37	6,63	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-7	54	35	46	933,5	3188	803,4	1,97	6,72	1,69	474,5	3,05	22,87	ASHRAE MBP
[°F]	20	130	95	115										
[°C]	-10	55	32	55	707,4	2416	608,8	1,61	5,50	1,39	439,5	2,95	19,56	cecomaf MBP
[°F]	14	131	90	131										
[°C]	-10	45	20	45	827,4	2826	712,1	1,97	6,73	1,69	420,1	2,90	21,93	EN12900 MBP
[°F]	14	113	68	113										

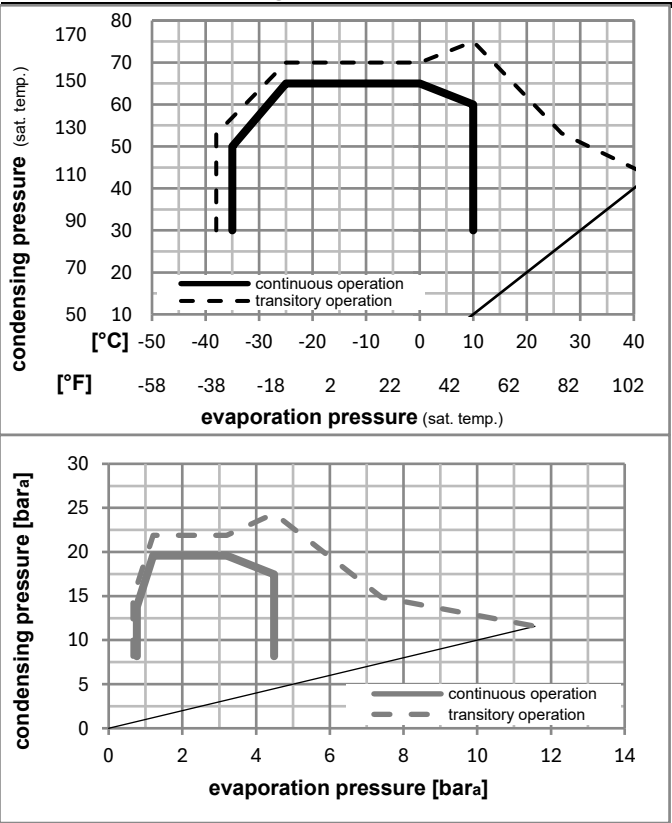
Model				
Designation	NLE12.6MF.2	220-240V/50Hz	Conf. 3	Sales code: 105G6387

Configuration		Electrical accessories / wiring diagram		
Motorconfiguration	eRSIR	RSIR 		
Power supply (nominal)	220-240V/50Hz 1~			
Refrigerant	R513A			
Application	LBP+MBP			
Voltage range	198-254V			
Starting torque	LST			
Approvals	CCC			

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		
a1	e-PTC starter (220V, 25Ohm, 4.8mm)	103N0050
b	plastic cover	103N2010
d	cord relief	103N1010

Alternative components		
b	plastic cover	103N2011

Model

Designation	NLE12.6MF.2	220-240V/50Hz	Conf. 3	Sales code:	105G6387
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Optimization + standard conditions

R513A, 220V/50Hz, eRSIR, fan 3m/s, CCC

Evaporating pressure (saturation temperature)														
Condensing pressure (saturation temperature)														
Return gas temp.														
Liquid temp.														
Cooling capacity														
COP														
EER														
Power consumption														
Current consumption														
Ref. mass flow														
pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/W/h]	[kcal/Wh]	P1	I	ṁ		
[°C]	-23	54	32	32						[W]	[A]	[kg/h]		
[°F]	-10	130	90	90	395,7	1351	340,5	1,53	5,21	1,31	259,2	2,17	8,52	ASHRAE LBP
[°C]	-25	55	32	55	289,7	989	249,3	1,17	3,98	1,00	248,6	2,14	7,93	cecomaf LBP
[°F]	-13	131	90	131										
[°C]	-35	40	20	40	222,7	761	191,7	1,18	4,02	1,01	189,1	1,97	5,51	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-7	54	35	46	775,6	2649	667,5	1,97	6,72	1,69	394,4	2,55	19,00	ASHRAE MBP
[°F]	20	130	95	115										
[°C]	-10	55	32	55	587,7	2007	505,7	1,61	5,50	1,39	364,9	2,46	16,25	cecomaf MBP
[°F]	14	131	90	131										
[°C]	-10	45	20	45	687,3	2347	591,5	1,97	6,73	1,70	348,8	2,42	18,22	EN12900 MBP
[°F]	14	113	68	113										

Performance tables

R513A, 220V/50Hz, eRSIR, fan 3m/s, CCC

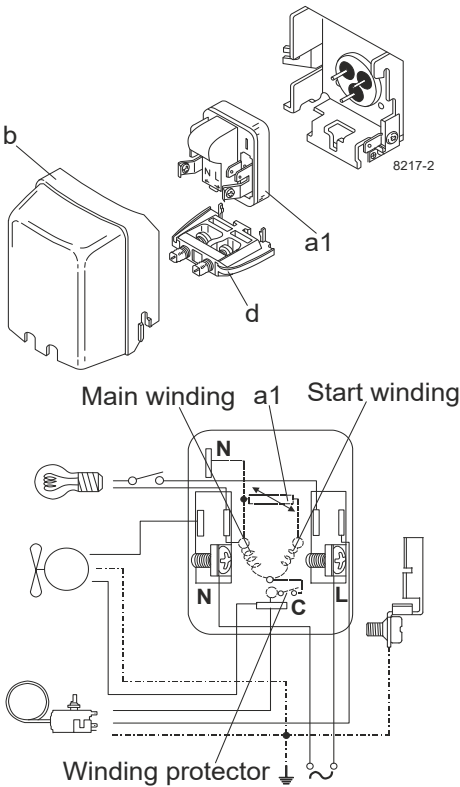
	pe		Cooling capacity			COP	EER		P1	I	m
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]
[°C / °F]	-35	-31	227,3	776	195,6	1,17	4,00	1,01	194,1	1,99	5,52
cond. pressure	-25	-13	340,6	1163	293,2	1,40	4,79	1,21	242,9	2,12	8,30
pc= 45/113	-15	5	565,9	1933	487,0	1,82	6,22	1,57	310,5	2,31	13,87
return gas temp.	-10	14	718,7	2455	618,5	2,06	7,04	1,77	348,8	2,42	17,67
RGT= 32/90	0	32	1101,0	3760	947,5	2,57	8,76	2,21	429,0	2,64	27,31
liquid temp	5	41	1329,0	4539	1143,7	2,83	9,68	2,44	468,9	2,76	33,15
Tliq= 45/113	10	50	1580,6	5398	1360,3	3,12	10,64	2,68	507,2	2,86	39,68
[°C / °F]	-35	-31	233,8	798	201,2	1,17	3,99	1,01	200,1	2,00	6,37
cond. pressure	-25	-13	289,7	989	249,3	1,17	3,98	1,00	248,6	2,14	7,93
pc= 55/131	-15	5	460,8	1574	396,6	1,43	4,89	1,23	321,7	2,34	12,69
return gas temp	-10	14	587,7	2007	505,7	1,61	5,50	1,39	364,9	2,46	16,25
RGT= 32/90	0	32	920,5	3144	792,2	2,00	6,84	1,72	459,5	2,73	25,70
liquid temp	5	41	1124,9	3842	968,1	2,21	7,55	1,90	508,7	2,87	31,61
Tliq= 55/131	10	50	1353,8	4623	1165,1	2,43	8,29	2,09	557,9	3,00	38,33

Model				
Designation	NLE12.6MF.2	220-240V/60Hz	Conf. 4	Sales code: 105G6387

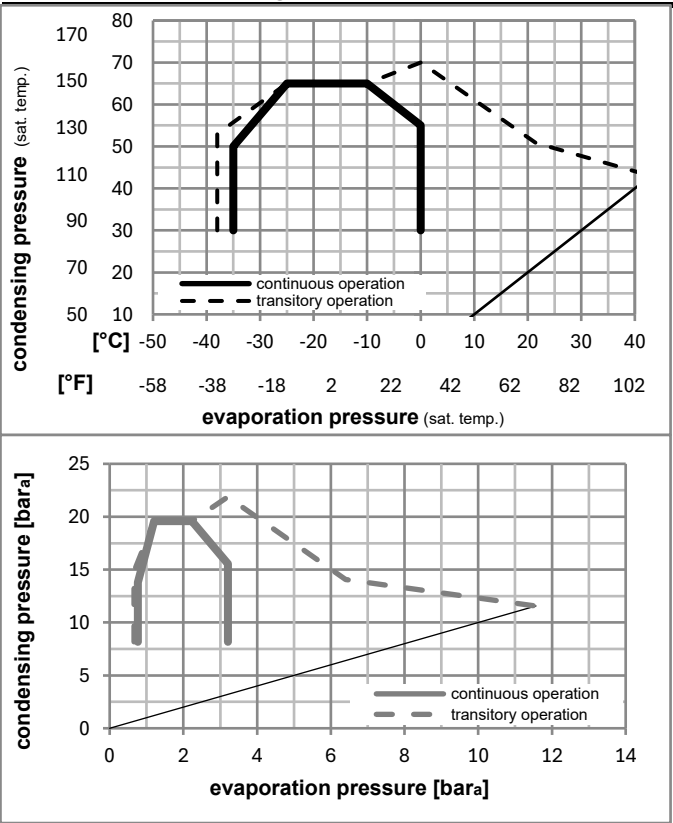
Configuration		Electrical accessories / wiring diagram		
Motorconfiguration	eRSIR	RSIR		
Power supply (nominal)	220-240V/60Hz 1~			
Refrigerant	R513A			
Application	LBP			
Voltage range	198-254V			
Starting torque	LST			
Approvals	CCC			

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		
a1	e-PTC starter (220V, 25Ohm, 4.8mm)	103N0050
b	plastic cover	103N2010
d	cord relief	103N1010

Alternative components		
b	plastic cover	103N2011

Model					
Designation	NLE12.6MF.2	220-240V/60Hz	Conf. 4	Sales code:	105G6387
Optimization + standard conditions			R513A, 220V/60Hz, eRSIR, fan 3m/s, CCC		

Evaporating pressure (saturation temperature)														
Condensing pressure (saturation temperature)														
Return gas temp.														
Liquid temp.														
Cooling capacity														
COP														
EER														
Power consumption														
Current consumption														
Ref. mass flow														
pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	P1	I	m		
[°C]										[W]	[A]	[kg/h]		
[°C]	-23	54	32	32	476,3	1627	409,9	1,51	5,16	1,30	315,0	2,60	10,25	ASHRAE LBP
[°F]	-10	130	90	90										
[°C]	-25	55	32	55	348,7	1191	300,1	1,15	3,93	0,99	302,9	2,57	9,55	cecomaf LBP
[°F]	-13	131	90	131										
[°C]	-35	40	20	40	268,1	916	230,7	1,15	3,93	0,99	232,9	2,37	6,63	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-7	54	35	46	933,5	3188	803,4	1,97	6,72	1,69	474,5	3,05	22,87	ASHRAE MBP
[°F]	20	130	95	115										
[°C]	-10	55	32	55	707,4	2416	608,8	1,61	5,50	1,39	439,5	2,95	19,56	cecomaf MBP
[°F]	14	131	90	131										
[°C]	-10	45	20	45	827,4	2826	712,1	1,97	6,73	1,69	420,1	2,90	21,93	EN12900 MBP
[°F]	14	113	68	113										