

Model

Designation	NL11MF	220-240V/50Hz 1~	Sales code:	105G6151
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R134a
Oil viscosity	32cSt	Displacement	11,15cm ³ / 0,68cu.in
Oil quantity	298cm ³ / 10,1fl.oz	Compressors on pallet	80
Refr. charge - tech. limit	600g / 21,2oz		
Free gas volume comp.	2360cm ³ / 79,8fl.oz		
Weight	10,5kg / 23,1lbs		
Motor protection	1# internal		
Winding resistance main	6,1Ω (at 25°C)		
Winding resistance aux	18,35Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	130°C / 266°F		



General - Configurations with NL11MF

	Conf. 1	Conf. 2
Motor configuration	RSIR	CSIR
Power supply (nominal)	220-240V/50Hz	220-240V/50Hz
Number of phases	1	1
Voltage range	187-254V	187-254V
Approvals	VDE, CCC, EAC	VDE, CCC, EAC
Starting torque	LST	HST
Note	- / -	

Applications with NL11MF

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

Electrical data - Configurations with NL11MF

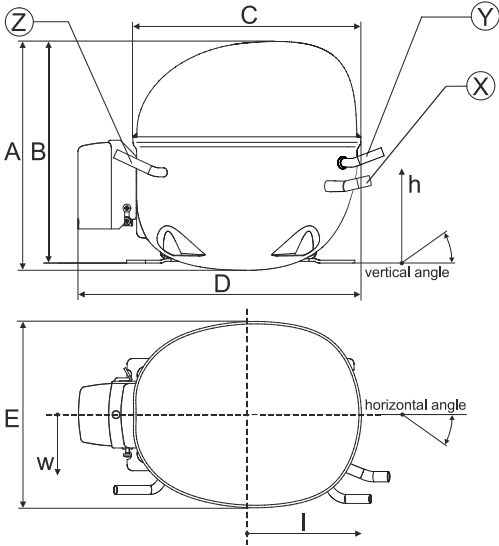
	Conf. 1	Conf. 2
Starting device type	PTC	relay
Run capacitor	-/-	-/-
Start capacitor	-/-	125μF
LRA (locked rotor amps / 4s/ U(N))	13A	16,6A
RLA (rated load amps / 1s/ U(N))	2,8A	2,8A
Cut in current (U(N))	17A	17A

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Compressor dimensions

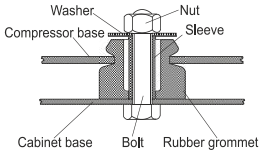
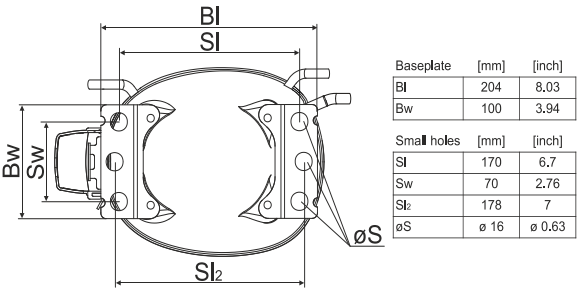
Housing	A Height	203mm / 7,99in
	B Height	197mm / 7,76in
	C Length shell	205mm / 8,07in
	D Length w. cover	254mm / 10in
	E Width	166mm / 6,54in

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°	35°	155°
Position l/h/w	[mm]	126/76/78	133/103/54	-107/94/72
	[in]	4,9/3/3,1	5,2/4/2,1	-4,2/3,7/2,8
Straight tube l.	[mm]	12	12	12
	[in]	0,5	0,5	0,5

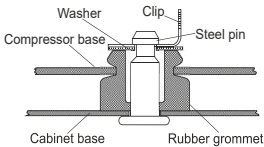


Compressor fixation

Bolt joint



Snap-on



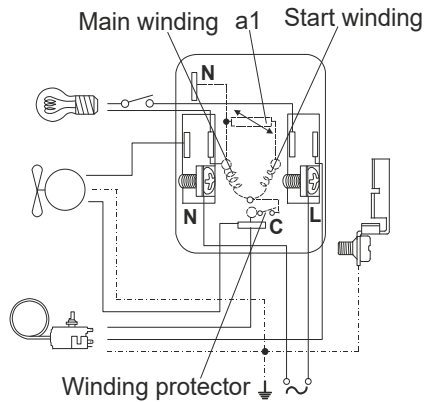
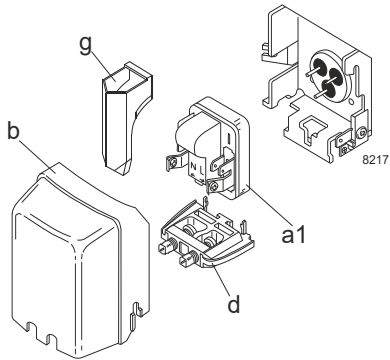
Mounting accessories	one comp.	multi pack
Bolt joint M6 ø16mm	118-1917	118-1918
Bolt joint ø1/4" ø16mm	118-1946	
Bolt joint ø1/4" ø19mm	118-1949	
Snap-on ø7,3 ø16mm	118-1947	118-1919

Application notes

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

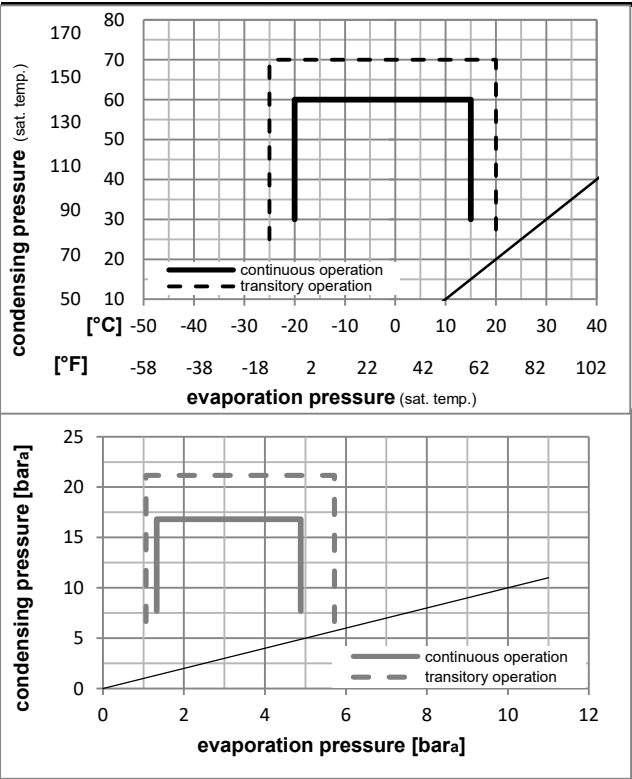
Model				
Designation	NL11MF	220-240V/50Hz	Conf. 1	Sales code: 105G6151

Configuration		Electrical accessories / wiring diagram	
Motor configuration	RSIR	RSIR	
Power supply (nominal)	220-240V/50Hz 1~		
Refrigerant	R134a		
Application	MBP+HBP		
Voltage range	187-254V		
Starting torque	LST		
Approvals	VDE		
	CCC		
	EAC		



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

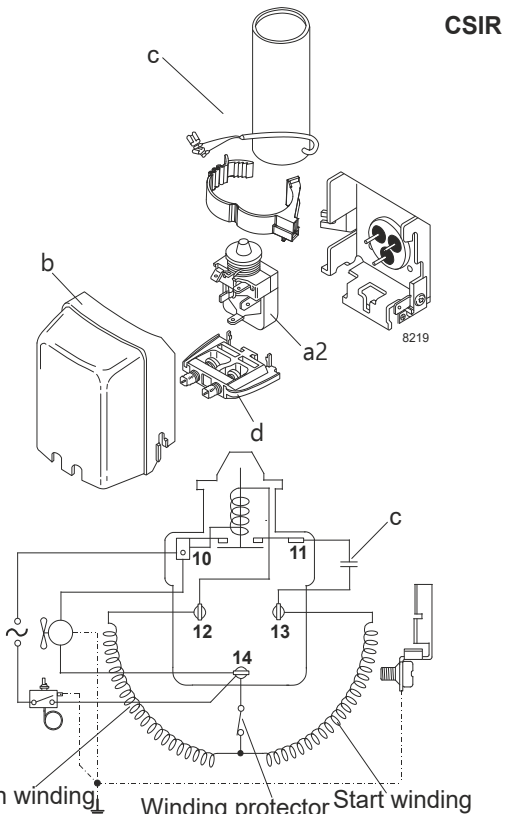
Operation pressure range



Components		
a1	PTC starter (220V, 25Ohm, 4.8mm)	103N0018
b	plastic cover	103N2011
d	cord relief	103N1010
g	protection screen for PTC	103N0476

Alternative components		
a1	PTC starter (220V, 25Ohm, 6.3mm)	103N0011
b	plastic cover	103N2010
d	cord relief	103N1010
g	protection screen for PTC	103N0476

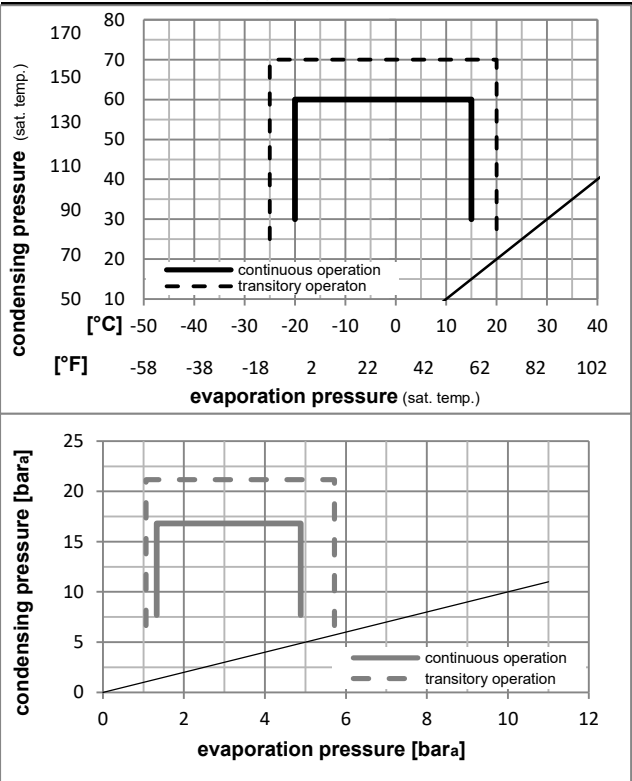
Model				
Designation	NL11MF	220-240V/50Hz	Conf. 2	Sales code: 105G6151

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

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	117U6022
c	start capacitor	117U5018
b	plastic cover	103N2011
d	cord relief	103N1010

