

Model

Designation	NLE11MN	220-240V/50Hz 1~	Sales code:	105H6185
-------------	----------------	-------------------------	-------------	-----------------

Compressor design

Oil type	Polyolester	Refrigerant(s)	R290
Oil viscosity	32cSt	Displacement	11,15cm ³ / 0,68cu.in
Oil quantity	300cm ³ / 10,1fl.oz	Compressors on pallet	80
Refr. charge - tech. limit	400g / 14,1oz		
Free gas volume comp.	2360cm ³ / 79,8fl.oz		
Weight	11,8kg / 26lbs		
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.	130°C / 266°F		



General - Configurations with NLE11MN

	Conf. 1	Conf. 2	Conf. 3
Motor configuration	CSIR	eRSIR	eRSCR
Power supply (nominal)	220-240V/50Hz	220-240V/50Hz	220-240V/50Hz
Number of phases	1	1	1
Voltage range	198-254V	198-254V	198-254V
Approvals	CCC, EAC, VDE	CCC, EAC, VDE	CCC, EAC, VDE
Starting torque	HST	LST	LST
Note	- / -		

Applications with NLE11MN

	Conf. 1	Conf. 2	Conf. 3
Refrigerant	R290	R290	R290
Application	MBP	MBP	MBP
System cooling	fan 3m/s	fan 3m/s	fan 3m/s
Hot gas defrost	OK	OK	OK
Long interval pull down	OK	OK	OK

Electrical data - Configurations with NLE11MN

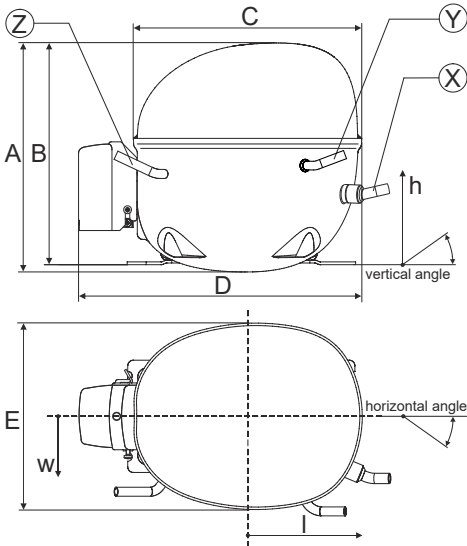
	Conf. 1	Conf. 2	Conf. 3
Starting device type	relay	e-PTC	e-PTC
Run capacitor	-/-	-/-	4μF
Start capacitor	80μF	-/-	-/-
LRA (locked rotor amps / 4s/ U(N))	13,65A	14,45A	14,2A
RLA (rated load amps / 1s/ U(N))	2,8A	2,8A	2,5A
Cut in current (U(N))	13,65A	19,4A	19,4A

Model			
Designation	NLE11MN	220-240V/50Hz 1~	Sales code: 105H6185

Compressor dimensions

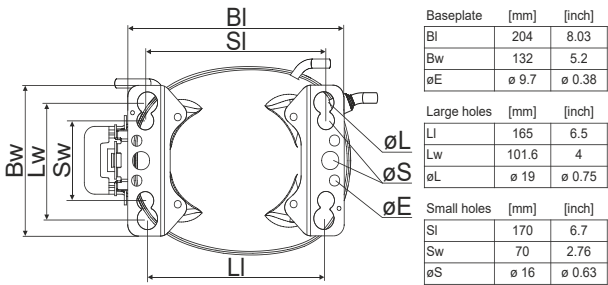
Housing	A Height	203mm / 7,99in
	B Height	197mm / 7,76in
	C Length shell	205mm / 8,07in
	D Length w. cover	254mm / 10in
	E Width	166mm / 6,54in

Connectors		Suction X	Discharge Y	Process Z
Diameter	[mm]	ø i 8,11-8,29	ø i 6,41-6,59	ø i 6,41-6,59
	[in]	ø i 0,32-0,33	ø i 0,25-0,26	ø i 0,25-0,26
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

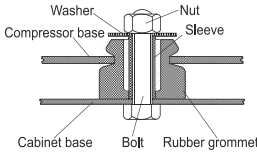


Compressor fixation

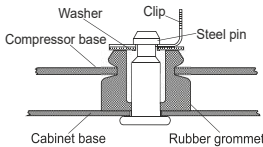
Bolt joint



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



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

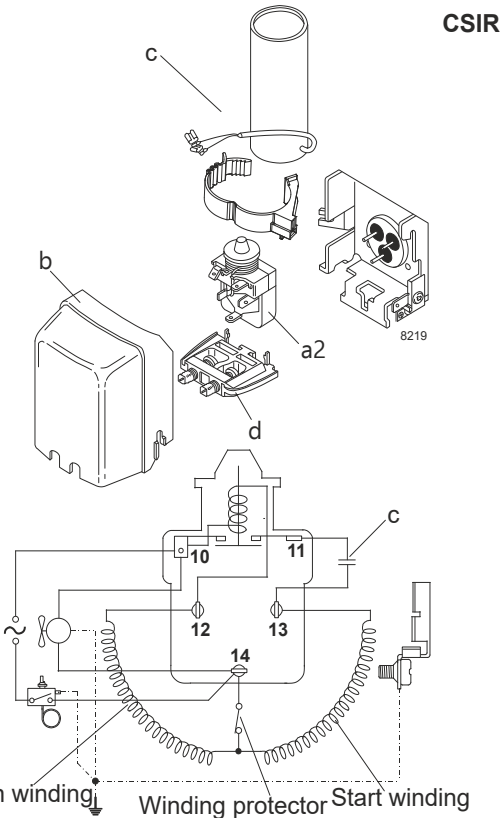
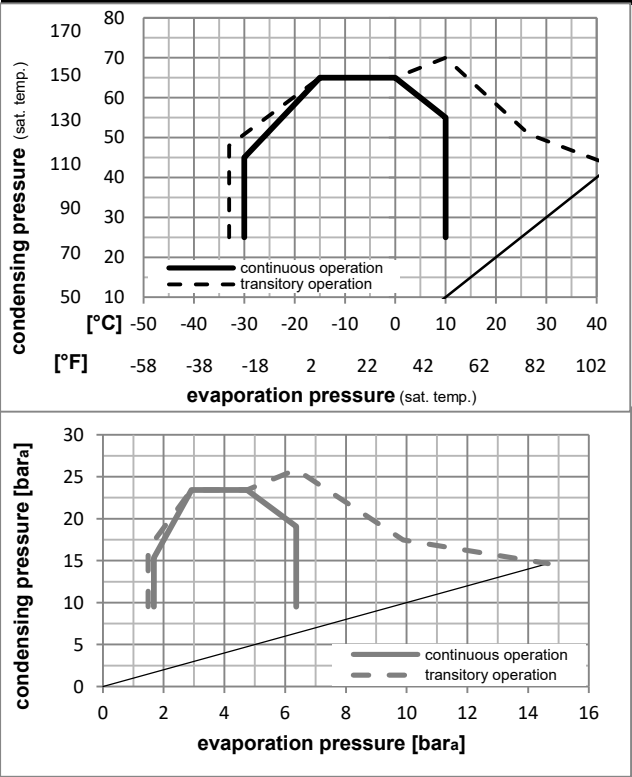
Model					
Designation	NLE11MN	220-240V/50Hz	Conf. 1	Sales code:	105H6185

Configuration	Electrical accessories / wiring diagram				
Motor configuration	CSIR				
Power supply (nominal)	220-240V/50Hz 1~				
Refrigerant	R290				
Application	MBP				
Voltage range	198-254V				
Starting torque	HST				
Approvals	CCC				
	EAC				
	VDE				

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	117U7005
c	start capacitor (80μF)	117U5015
b	plastic cover	103N2010
d	cord relief	103N1010

Alternative components

b	plastic cover	103N2011
---	---------------	----------

Model

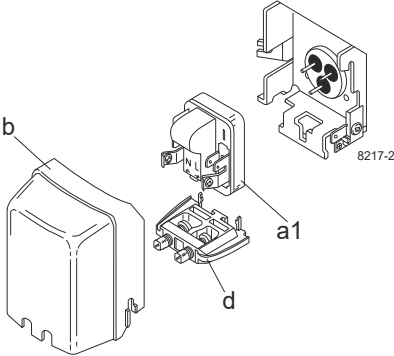
Designation **NLE11MN** **220-240V/50Hz** Conf. 1 Sales code: **105H6185**

Optimization + standard conditions

R290, 220V/50Hz, CSIR, fan 3m/s, CCC, EAC, VDE

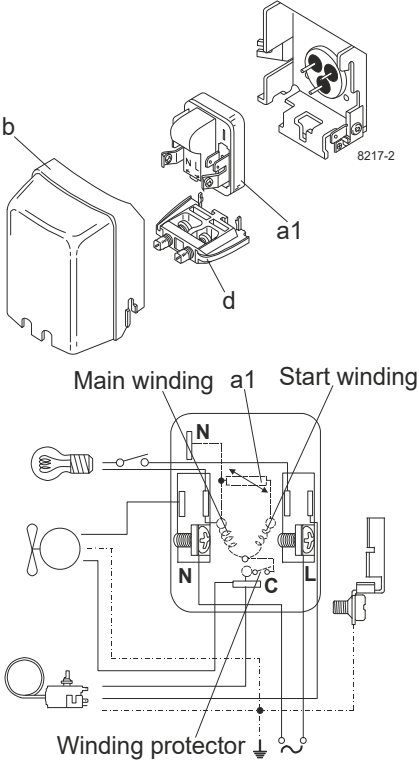
Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)						Power consumption			
					Return gas temp.						Current consumption			
					Liquid temp.						Ref. mass flow			
					Cooling capacity						COP			
					EER						P1			
											I			
											ṁ			

Model				
Designation	NLE11MN	220-240V/50Hz	Conf. 2	Sales code: 105H6185

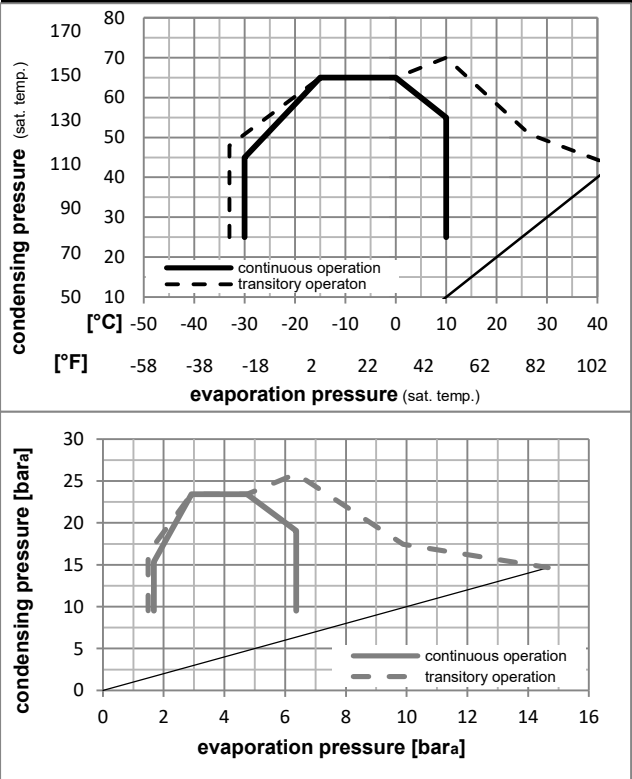
Configuration		Electrical accessories / wiring diagram		
Motor configuration	eRSIR	RSIR 		
Power supply (nominal)	220-240V/50Hz 1~			
Refrigerant	R290			
Application	MBP			
Voltage range	198-254V			
Starting torque	LST			
Approvals	CCC			
	EAC			
	VDE			

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 **NLE11MN** **220-240V/50Hz** Conf. 2 Sales code: **105H6185**

Optimization + standard conditions

R290, 220V/50Hz, eRSIR, fan 3m/s, CCC, EAC, VDE

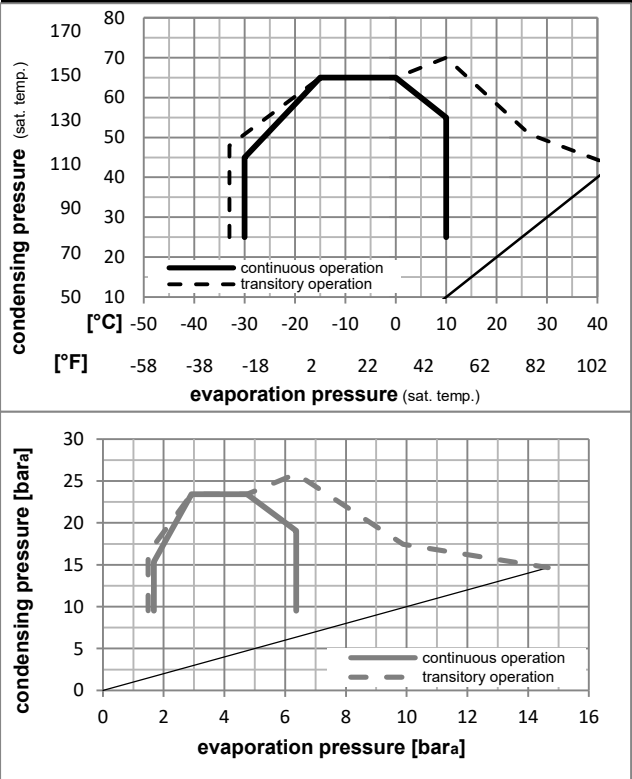
Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)						Power consumption			
											Current consumption			
											Ref. mass flow			

Model				
Designation	NLE11MN	220-240V/50Hz	Conf. 3	Sales code: 105H6185
Configuration		Electrical accessories / wiring diagram		
Motor configuration	eRSCR	RSCR		
Power supply (nominal)	220-240V/50Hz 1~			
Refrigerant	R290			
Application	MBP			
Voltage range	198-254V			
Starting torque	LST			
Approvals	CCC EAC VDE			

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 **NLE11MN** **220-240V/50Hz** Conf. 3 Sales code: **105H6185**

Optimization + standard conditions

R290, 220V/50Hz, eRSCR, fan 3m/s, CCC, EAC, VDE

Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)						Power consumption			
											Current consumption			
											Ref. mass flow			