

Single Pack NLE11MNDX 220-240V 50Hz CSCR

Single pack code number: **195B4834**

Position	Title	Code	Amount
1	Compressor NLE11MNDX	105H7103	1
2	Start equipment NLE	117U8201	1
3	Starting capacitor (80µF 260V)	117U5353	1
4	Run Capacitor (10µF 450V, 6.3mm)	117-7166	1
5	Run capacitor bracket	117-0314	1
6	Cover NLE	117U1038	1
7	Cord relief	103N1007	1
8	Screw for bracket M4x8mm	117-0301	1
9	Bolt joint for one compressor M6 ø16mm	118-1917	1

Model

Designation	NLE11MNDX	220-240V/50Hz 1~	Sales code:	105H7103
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R290
Oil viscosity	32cSt	Displacement	11,15cm ³ / 0,68cu.in
Oil quantity	298cm ³ / 10,1fl.oz	Compressors on pallet	
Refr. charge - tech. limit	300g / 10,6oz		
Free gas volume comp.	2360cm ³ / 79,8fl.oz		
Weight	11,8kg / 26lbs		
Motor protection	external		
Winding resistance main	7,5Ω (at 25°C)		
Winding resistance aux	12,9Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	130°C / 266°F		



General - Configurations with NLE11MNDX

	Conf. 1
Motor configuration	CSCR
Power supply (nominal)	220-240V/50Hz
Number of phases	1
Voltage range	198-254V
Approvals	VDE
Starting torque	HST
Note	- / -

Applications with NLE11MNDX

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

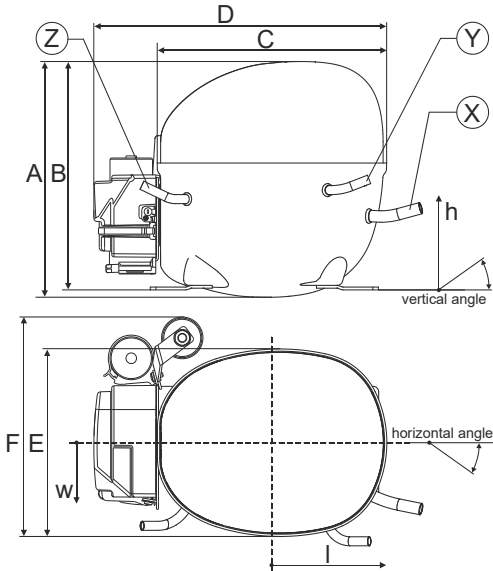
Electrical data - Configurations with NLE11MNDX

	Conf. 1
Starting device type	relay
Run capacitor	10μF
Start capacitor	80μF
LRA (locked rotor amps / 4s/ U(N))	16,7A
RLA (rated load amps / 1s/ U(N))	2,2A
Cut in current (U(N))	16,7A

Model			
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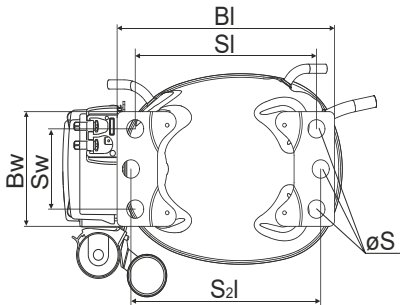
Compressor dimensions

Housing	A Height	209mm / 8,23in
	B Height	203mm / 7,99in
	C Length shell	205mm / 8,07in
	D Length w. cover	262mm / 10,31in
	E Width	166mm / 6,54in



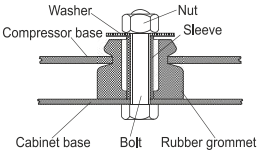
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 8,11-8,29	øi 6,11-6,29	øi 6,11-6,29
(i:inside, o:outside) [in]	øi 0,32-0,33	øi 0,24-0,25	øi 0,24-0,25
Material	copper	copper	copper
Horizontal angle	±2° 11°	0°	0°
Vertical angle	±2° 15°	21°	25°
Position l/h/w [mm]	140/72/59	94/98/87	-109/93/74
	[in] 5,5/2,8/2,3	3,7/3,9/3,4	-4,3/3,7/2,9
Straight tube l. [mm]	12	12	12
	[in] 0,5	0,5	0,5

Compressor fixation

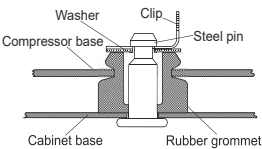


Baseplate	[mm]	[inch]
BI	204	8.03
Bw	100	3.94
Small holes	[mm]	[inch]
SI	170	6.7
Sw	70	2.76
S2l	178	7
øS	ø 16	ø 0.63

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

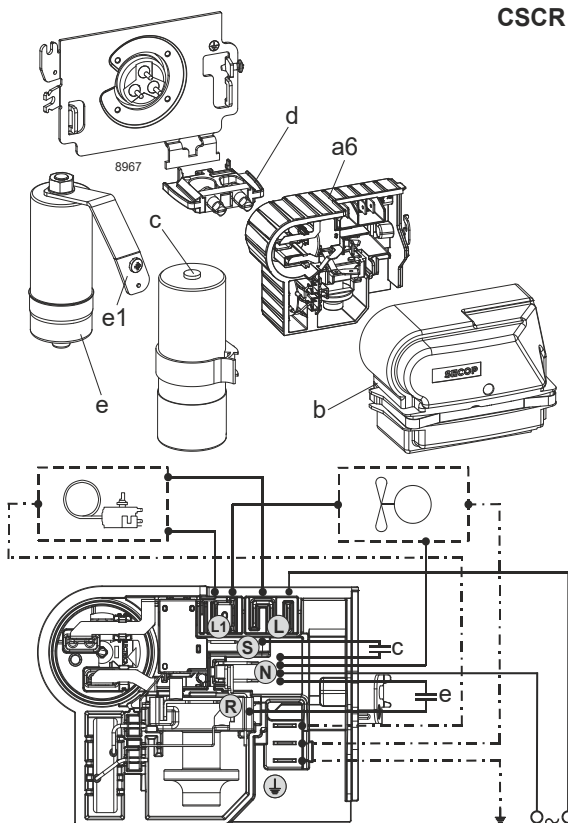
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Configuration

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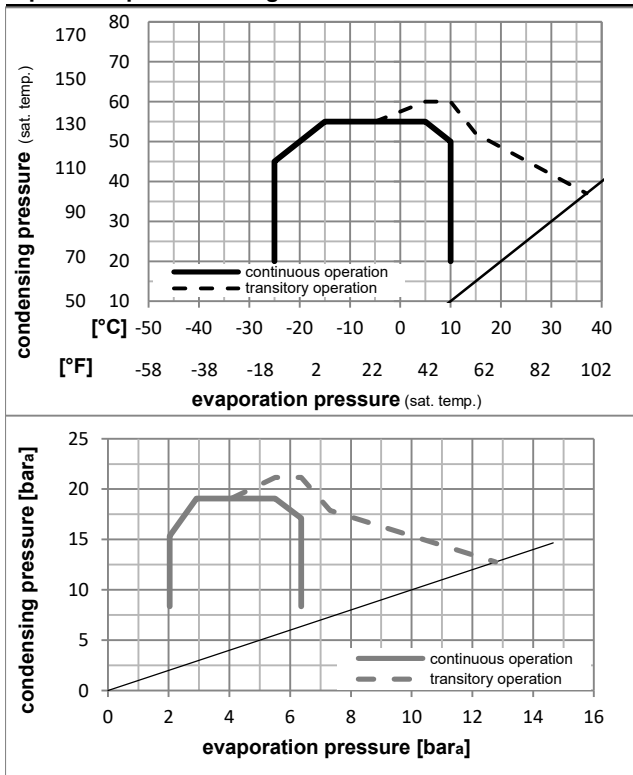
Electrical accessories / wiring diagram



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

a6	NL starter kit	117U8201
c	start capacitor (80μF)	117U5353
e	run cap (10μF, 6.3mm,c.length 280mm)	117-7166
b	cover terminal board + clamp	117U1038
e1	retaining clamp	117-0314
	screw M4x8mm	117-0301
d	cord relief	103N1007

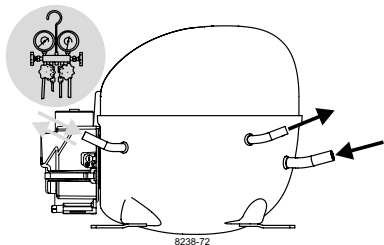
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Designation **NLE11MNDX** **220-240V/50Hz** Conf. 1 Sales code: **105H7103**

Optimization + standard conditions

R290, 220V/50Hz, CSCR, fan 3m/s, 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			
					[W]						I			
					[Btu/h]						m			
					[kcal/h]						[kg/h]			
					[W/W]						[W]			
					[Btu/Wh]						[A]			
					[kcal/Wh]						[kg/h]			
					[W]						[W]			
					[A]						[A]			
					[kg/h]						[kg/h]			
					ASHRAE MBP						ASHRAE MBP			
					cecomaf MBP						cecomaf MBP			
					EN12900 MBP						EN12900 MBP			
					ARI540 MBP						ARI540 MBP			
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					opt						opt			



NLE Plus Compressors

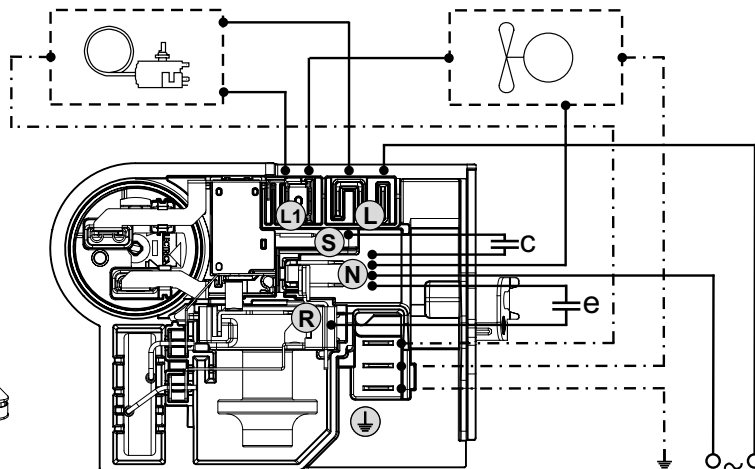
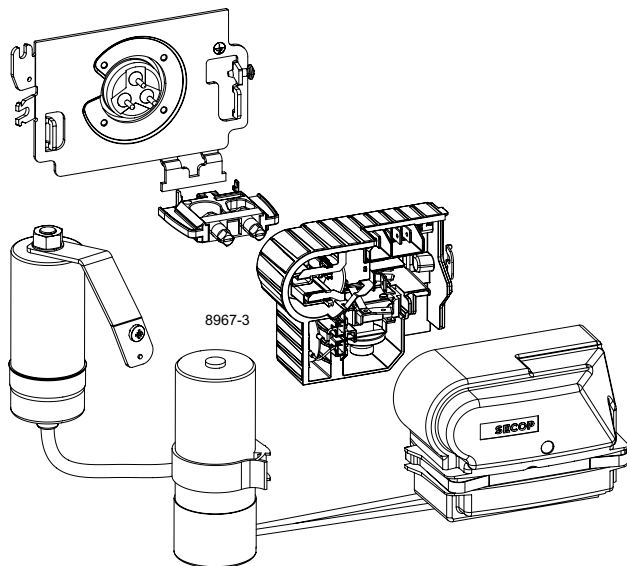
SECCP

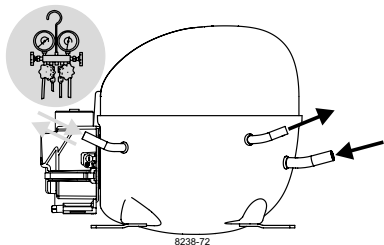
Keep electrical equipment clear from oil, chemicals, and water



When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

CSCR





NLE Plus Compressors

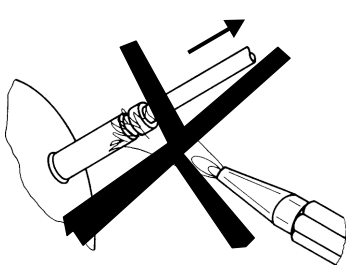
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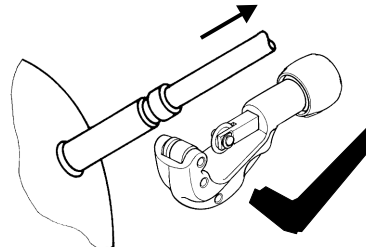


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Service/Repair – R290, R600a, R170, R1270, R1234yf (applies to all flammable refrigerants)



8545



Dismantling, recycling, disposal: At the end of a compressor's lifecycle, proceed by separating and storing components according to their environmental impact. Parts that may cause pollution must be clearly identified and handled separately, ensuring appropriate disposal. Refrigerant gas must not be released into the environment and should be recovered by qualified operators. Compressor oil must also be collected separately. The compressor should be disposed of at specialized disposal centers in accordance with the applicable regulations. **Subject to modifications/alterations. www.seccp.com**