

# NLX15KK.2 High Energy-optimized Compressor R600a 220-240V 50Hz

105H6500

EN 60335-2-34 with Annex AA

80

LBP

60

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50

-35 to -10

198 - 254

60 (70)

95 (110)

Application NLX	15KK.2	SECO
Red stripe	) R600 SUCTION	
Approvals	<	serial number 105
Barcode on white background	$\rightarrow$	650
Yellow background	>	Made by Secop
	nanufacturer	



# Cooling requirements

Evaporating temperature

Max. condensing temperature continuous (short)

Max. winding temperature continuous (short)

Compressors on pallet

General Code number

Approvals

Application Application

Frequency

Voltage range

cooling requirements								
Frequency	Hz	50				S O		
Application		LBP	MBP	HBP	LBP	MBP	HBP	F <sub>1</sub>
32°C		S	-	-	-	-	-	
38°C		S	-	-	-	-	-	
43°C		S	-	-	-	-	-	F <sub>2</sub>
Remarks on application:								

Hz

°C

V

°C

°C

- = Static cooling normally sufficient
- O = Oil cooling
- $F_1 = Fan \text{ cooling } 1.5 \text{ m/s}$ 
  - (compressor compartment temperature equal to ambient temperature)
- $F_2$  = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficent
- = not applicable in this area

## Motor

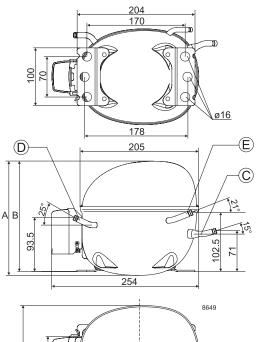
Motor type		RS	CR
LRA (rated after 4 sec. UL984), HST   LST	А	-	5.6
Cut in Current, HST   LST	A	-	9.3
Resistance, main   start winding (25°C)	Ω	11.3	21.3

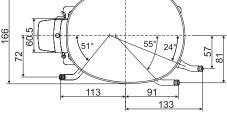
### Design

Displacement	cm <sup>3</sup>	14.65
Oil quantity (type)	cm <sup>3</sup>	270 (polyolester)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	2360
Weight without electrical equipment	kg	10.7

### Dimensions

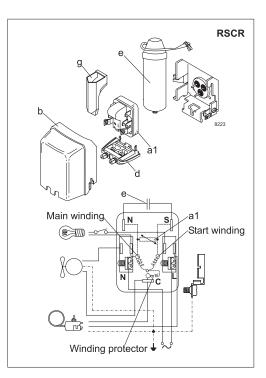
Height	mm	A 203
		B 197
		B1 –
		B2 –
Suction connector	location/I.D. mm   angle	C 6.2   15°
	material   comment	Cu-plated steel   Al cap
Process connector	location/I.D. mm   angle	D 6.2   25°
	material   comment	Cu-plated steel   Al cap
Discharge connector	location/I.D. mm   angle	E 5.0   21°
	material   comment	Cu-plated steel   Al cap
Oil cooler connector	location/I.D. mm   angle	F –
	material   comment	_
Connector tolerance	I.D. mm	±0.09, on 5.0 +0.12/+0.20
Remarks:		·





EN 12900 Househo	220V, 5	50Hz, R	C 4µF,	ePTC c	onsum	otion ind	cl., stati	c coolin	ig								
Evap. temp in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			107	143	186	203	238	300	372								
Power cons. in W			93.7	111	129	135	148	168	190								
Current cons. in A			0.45	0.53	0.61	0.64	0.70	0.80	0.90								
COP in W/W			1.14	1.29	1.45	1.50	1.61	1.78	1.95								
ASHDAELDD																	

ASHRAE LBP				220V, 5	ouhz, R	C 4µ⊦,	ePICc	onsum	otion ind	cl., stati	c coolin	ıg					
Evap. temp in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			131	175	227	248	291	366	454								
Power cons. in W			93.8	111	128	135	147	168	190								
Current cons. in A			0.45	0.53	0.61	0.64	0.70	0.79	0.89								
COP in W/W			1.40	1.58	1.77	1.84	1.97	2.18	2.40								



Accessories for	NLX15KK.2	Figure	Code number	Test conditions	EN 12900/ CECOMAF	ASHRAE
PTC starting device	6.3 mm spade connectors		103N0016	Condensing temperature	55°C	54.4°C
	4.8 mm spade connectors	a1	103N0021	Ambient temperature	32°C	32°C
ePTC starting device	4.8 mm spade connectors		103N0050	Suction gas temperature	32°C	32°C
Cover		b	103N2010	Liquid temperature	no subcooling	32°C
Cord relief		d	103N1010			
Run capacitor 4 µF	6.3 mm spade connectors		117-7117	Mounting accessories		Code number
(compulsory)	4.8 mm spade connectors	e	117-7119	Bolt joint for one comp.	Ø: 16 mm	118-1917
Protection screen for P	тс	g	103N0476	Bolt joint in quantities	Ø: 16 mm	118-1918
				Snap-on in quantities	Ø: 16 mm	118-1919

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