

# NLU8.8KK.1 High Energy-optimized Compressor R600a 220-240V 50Hz

### General

Code number	105H6009
Approvals	EN 60335-2-34 with Annex AA
Compressors on pallet	80

# Application

Application	LE	BP .	
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to -10	_
Voltage range	V	198 - 254	_
Max. condensing temperature continuous (short)	°C	60 (70)	_
Max. winding temperature continuous (short)	°C	105 (115)	_

# Application NLU8.8KK.1 Red stripe R600a SUCTION Serial number 105H Barcode on white background Yellow background Country of origin or manufacturer



Yellow warning label

## **Cooling requirements**

Frequency	Hz		50			60	
Application		LBP	MBP	HBP	LBP	MBP	НВР
32°C		S	_	_	_	_	_
38°C		S	_	_	_	_	_
43°C		S	_	_	_	_	_
Remarks on application:							

S = Static cooling normally sufficient

= Oil cooling

F<sub>1</sub> = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)

F<sub>2</sub> = Fan cooling 3.0 m/s necessary

SG = Suction gas cooling normally sufficent

= not applicable in this area

#### Motor

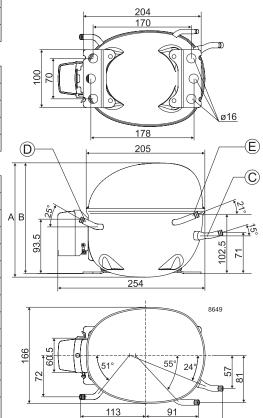
Motor type		RS	CR
LRA (rated after 4 sec. UL984), HST   LST	Α	_	2.7
Cut in Current, HST   LST	Α	-	5.4
Resistance, main   start winding (25°C)	Ω	23.0	28.0

#### Design

Displacement	cm <sup>3</sup>	8.76
Oil quantity (type)	cm <sup>3</sup>	270 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	2360
Weight without electrical equipment	kg	12.1

#### **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:	<u> </u>	

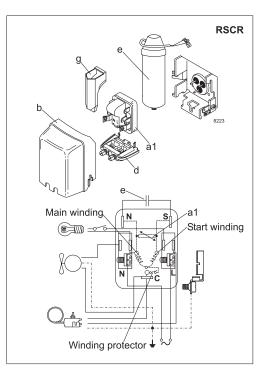


# **EN 12900 Household (CECOMAF)** 220V, 50Hz, RC 2.5 μF, ePTC consumption incl., static cooling

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			58.0	80.7	107	119	141	180	225								
Power cons. in W			48.5	59.4	69.5	74.0	81.3	93	105								
Current cons. in A			0.22	0.27	0.32	0.34	0.37	0.43	0.49								
COP in W/W			1.19	1.36	1.54	1.60	1.73	1.93	2.14								

ASHRAE LBP	220V, 50Hz, RC 2.5	5 µF, ePTC consumption in	cl., static cooling
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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			71.1	99.0	132	144	172	219	275								
Power cons. in W			48.6	59.3	70.0	72.9	81.0	92	105								
Current cons. in A			0.22	0.27	0.32	0.32	0.37	0.43	0.48								
COP in W/W			1.46	1.67	1.89	1.97	2.12	2.37	2.63								



Accessories for	NLU8.8KK.1	Figure	Code number
PTC starting device	6.3 mm spade connectors		_
	4.8 mm spade connectors	a1	103N0021
ePTC starting device	4.8 mm spade connectors		103N0055
Cover		b	103N2010
Run capacitor 2.5 µF	6.3 mm spade connectors		_
(compulsory)	4.8 mm spade connectors	е	117-7139
Cord relief		d	103N1010
Protection screen for PT	С	g	103N0476

Test conditions	EN 12900/ CECOMAF	ASHRAE LBP
Condensing temperature	55°C	54.4°C
Ambient temperature	32°C	32°C
Suction gas temperature	32°C	32°C
Liquid temperature	no subcooling	32°C

Mounting accessories		Code number
Bolt joint for one comp.	Ø: 16 mm	118-1917
Bolt joint in quantities	Ø: 16 mm	118-1918
Snap-on in quantities	Ø: 16 mm	118-1919

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