

NLU8.0KK.1 High Energy-optimized Compressor R600a 220-240V 50Hz

General

Code number	105H6018
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 NLU8.0KK.1 SECOP Red stripe R600a SUCTION Serial number 105H 6018 Yellow background Country of origin or manufacturer



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

F₁ = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)

F₂ = Fan cooling 3.0 m/s necessary

SG = Suction gas cooling normally sufficent

= not applicable in this area

Motor

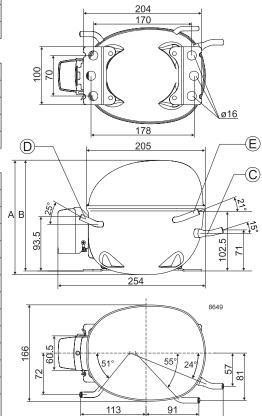
Motor type		RS	CR
LRA (rated after 4 sec. UL984), HST LST	Α	_	2.5
Cut in Current, HST LST	А	-	5.4
Resistance, main start winding (25°C)	Ω	26.0	23.0

Design

Displacement	cm ³	8.05
Oil quantity (type)	cm ³	270 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	2360
Weight without electrical equipment	kg	12.1

Dimensions

Height	mm	Α	203			
		В	197			
		В1	_			
		B2	_			
Suction connector	location/I.D. mm angle	С	6.2 30°			
	material comment		Copper Rubber plug			
Process connector	location/I.D. mm angle	D	4.5 55°			
	material comment		Copper Rubber plug			
Discharge connector	location/I.D. mm angle	Е	5.0 21°			
	material comment		Copper Rubber plug			
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: Suction connector bent to 30°, process connector bent to 55°						

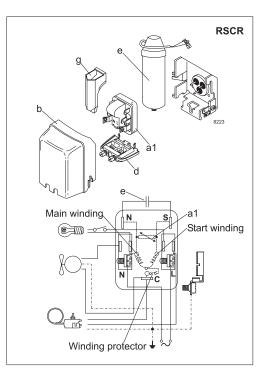


EN 12900 Household (CECOMAF) 220V, 50Hz, RC 2.5 μF, ePTC consumption incl., static cooling

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			51.0	71.0	95.0	104	124	158	198								
Power cons. in W			43.2	52.9	63.0	65.9	72.4	83.0	94.0								
Current cons. in A			0.19	0.24	0.32	0.30	0.33	0.38	0.43								
COP in W/W			1.18	1.34	1.52	1.58	1.71	1.91	2.12								

ASHRAE LBP	220V, 50Hz, RC 2	2.5 µF, ePTC consum	ption incl., 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			62.5	87.0	116	127	151	193	242								
Power cons. in W			43.3	52.9	62.4	66.0	72.2	82.0	93.0								
Current cons. in A			0.20	0.24	0.28	0.32	0.33	0.38	0.43								
COP in W/W			1.44	1.64	1.86	1.93	2.10	2.34	2.60								



Accessories for	NLU8.0KK.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		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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