

# NL6F Standard Compressor R134a 220-240V 50Hz

#### General

Code number	105G6606
Approvals	EN 60335-2-34 with Annex AA
Compressors on pallet	80

## **Application**

Application	LBP			
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	125 (135)	_	

### **Cooling requirements**

Frequency Hz		50			60	
Application	LBP	MBP	НВР	LBP	MBP	НВР
32°C	S	-	_	_	_	_
38°C	S	-	-	-	_	_
43°C	_	_	_	_	_	_

Remarks on application:

Application

NL6F

R134a

SUCTION

Approvals

Barcode on white background

Yellow background

Country of origin or manufacturer

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

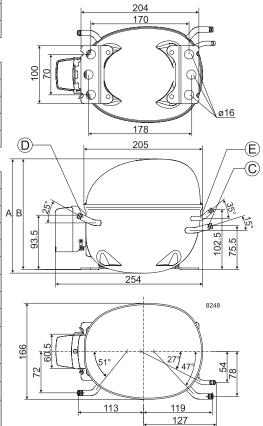
Motor type	RSIR/CSIR			
LRA (rated after 4 sec. UL984), HST   LST	Α	5.0	5.0	
Cut in Current, HST   LST	Α	5.0	9.6	
Resistance, main   start winding (25°C)	Ω	16.0	13.6	

#### Design

Displacement	cm <sup>3</sup>	6.13
Oil quantity (type)	cm³	320
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm³	2130
Weight without electrical equipment	kg	9.3

#### **Dimensions**

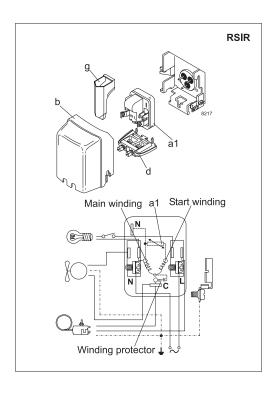
Dillielisiolis		
Height	mm	A 188
		B 181
		B1 –
		B2 –
Suction connector	location/I.D. mm   angle	C 6.2   15°
	material   comment	Cu-plated steel   Al cap
Process connector	location/I.D. mm   angle	D 6.2   25°
	material   comment	Cu-plated steel   Al cap
Discharge connector	location/I.D. mm   angle	E 5.0   35°
	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:		

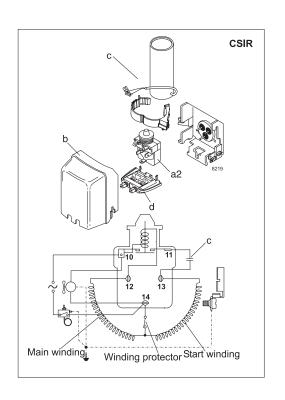


## **EN 12900 Household (CECOMAF)** 220V, 50Hz, static cooling, PTC consumption incl.

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			52	77	110	123	151	200	258								
Power cons. in W			80	98	118	125	139	161	185								
Current cons. in A			0.78	0.81	0.86	0.88	0.92	0.99	1.08								
COP in W/W			0.65	0.78	0.93	0.99	1.09	1.24	1.39								

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			64	95	135	151	186	247	318								
Power cons. in W			80	98	118	125	139	161	185								
Current cons. in A			0.78	0.81	0.86	0.88	0.92	0.99	1.08								
COP in W/W			0.80	0.96	1.15	1.21	1.34	1.53	1.72								





Accessories for	NL6F	Figure	Code number
PTC starting device	6.3 mm spade connectors	a1	103N0011
	4.8 mm spade connectors	aı	103N0018
Starting relay	6.3 mm spade connectors	a2	117U6004
Start capacitor 80 µF	6.3 mm spade connectors	С	117U5015
Cover		b	103N2010
Cord relief		d	103N1010
Protection screen for PT	C	g	103N0476

Test conditions	EN 12900/ CECOMAF	ASHRAE
Condensing temperature	55°C	55°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

Secop can accept no responsibility for possible errors in catalogues, brochures and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved. www.secop.com