

NLE9F Energy-optimized Compressor R134a 220-240V 50Hz

General

Code number	105G6805
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	125 (135)	_

Cooling requirements

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

Remarks on application:

Performance data established on 8.2 mm suction line.

Restrictions due to 6.2 mm suction line can affect system performance.

Application NLE9F SECOP

Blue stripe SUCTION SUCTION Serial number 105G
Barcode on white background
Yellow background
Country of origin or manufacturer

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

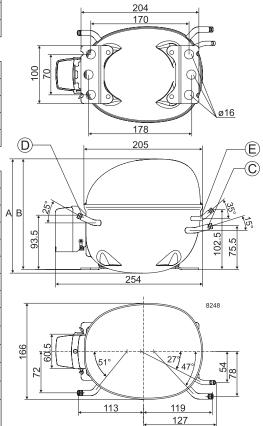
Motor type		RSIR/	RSCR
LRA (rated after 4 sec. UL984), HST LST	Α	_	6.4
Cut in Current, HST LST	Α	_	10.7
Resistance, main start winding (25°C)	Ω	12.9	18.0

Design

•		
Displacement	cm ³	8.35
Oil quantity (type)	cm ³	270
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm ³	2310
Weight without electrical equipment	kg	10.1

Dimensions

Dillielisions		
Height	mm	A 197
		B 191
		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:		

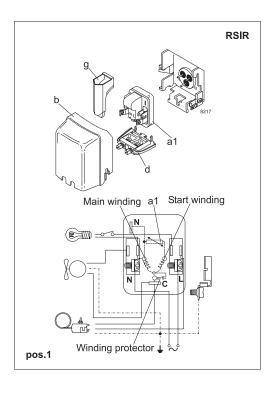


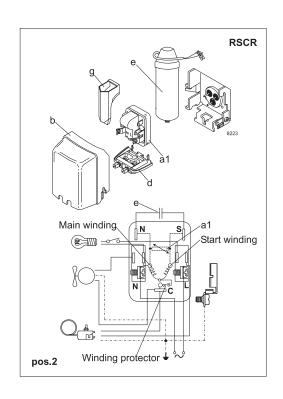
EN 12900 Household (CECOMAF) 220V, 50Hz, static cooling, PTC consumption incl.

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			82	112	154	171	207	271	346								
Power cons. in W			102	125	150	159	177	206	237								
Current cons. in A			0.85	0.95	1.09	1.15	1.27	1.48	1.73								
COP in W/W			0.80	0.90	1.03	1.08	1.17	1.31	1.46								

ASHRAE LBP	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			101	138	190	210	255	334	427								
Power cons. in W			102	125	150	159	177	206	237								
Current cons. in A			0.85	0.95	1.09	1.15	1.27	1.48	1.73								
COP in W/W			0.99	1.11	1.27	1.32	1.44	1.62	1.80								





Accessories for	NLE9F	Figure	Code number
PTC starting device	6.3 mm spade connectors	a1	103N0011
	4.8 mm spade connectors	(pos. 1)	103N0018
PTC starting device	6.3 mm spade connectors	a1	103N0016
	4.8 mm spade connectors	(pos. 2)	103N0021
Cover		b	103N2010
Cord relief		d	103N1010
Run capacitor	6.3 mm spade connectors		117-7117
4 μF (optional)	4.8 mm spade connectors	е	117-7119
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 accepts no responsibility for possible errors in catalogs, 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 to specifications already agreed. All trademarks in this material are the property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved. www.secop.com