

NL11MF Standard Compressor R134a 220-240V 50Hz

General

Code number	105G6151
Approvals	EN 60335-2-34
Compressors on pallet	80

Application

Application		MBP	/HBP
Frequency	Hz	50	60
Evaporating temperature	°C	-20 to 15	_
Voltage range	V	187 - 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	МВР	HBP
32°C		_	F ₂	F ₂	_	_	_
38°C		_	F ₂	F ₂	_	_	_
43°C		_	F ₂	F ₂	_	_	_
Demonto en englisation.							

Remarks on application:

Application NL11MF Blue stripe R134a SUCTION Approvals Barcode on white background Yellow background Country of origin or manufacturer SECOP Formerly Danlos Compressors R134a SUCTION Approvals Serial number 105G 6151 Made by Secop

- 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

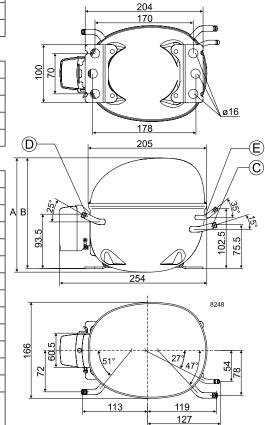
Motor type		RSIR	/CSIR
LRA (rated after 4 sec. UL984), HST LST	Α	16.1	13.1
Cut in Current, HST LST	Α	16.1	17.1
Resistance, main start winding (25°C)	Ω	6.1	17.5

Design

Displacement	cm ³	11.15
Oil quantity (type)	cm ³	320 (polyolester)
Maximum refrigerant charge	g	600
Free gas volume in compressor	cm ³	2360
Weight without electrical equipment	kg	10.5

Dimensions

Height	mm	A 203
		B 197
		B1 –
		B2 –
Suction connector	location/I.D. mm angle	C 8.2 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 6.2 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
Remarks:		

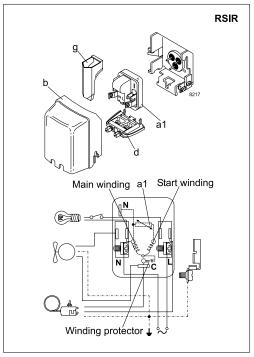


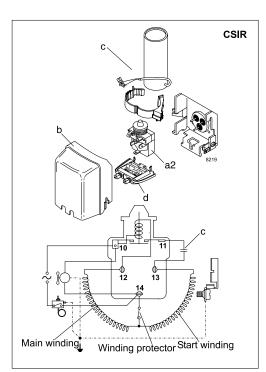
EN 12900 Household (CECOMAF) 220V, 50Hz, fan cooling F₂

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							292	380	485	565	609	756	927	1011	1125	1354	
Power cons. in W							274	317	360	389	404	449	495	514	540	584	
Current cons. in A							2.14	2.25	2.37	2.46	2.51	2.67	2.84	2.92	3.03	3.23	
COP in W/W							1.06	1.20	1.35	1.45	1.51	1.68	1.87	1.96	2.09	2.32	

	ASHRAE MBP		220V,	50Hz, f	an cooli	ng F
- 1					1	

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							321	418	534	621	670	832	1020	1113	1239	1492	
Power cons. in W							274	316	359	388	403	448	492	512	537	580	
Current cons. in A							2.14	2.25	2.37	2.46	2.51	2.66	2.83	2.91	3.02	3.22	
COP in W/W							1.17	1.32	1.49	1.60	1.66	1.86	2.07	2.17	2.31	2.57	





Accessories for	NL11MF	Figure	Code number
PTC starting device	6.3 mm spade connectors	-4	103N0011
	4.8 mm spade connectors	a1	103N0018
Starting relay	6.3 mm spade connectors	a2	117U6022
Start. capacitor 125 µF	6.3 mm spade connectors	С	117U5018
Cover		b	103N2011
Cord relief		d	103N1010
Protection screen for PT	С	g	103N0476

Test conditions	EN 12900/ CECOMAF	ASHRAE
Condensing temperature	55°C	54.4°C
Ambient temperature	32°C	35°C
Suction gas temperature	32°C	35°C
Liquid temperature	no subcooling	46.1°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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