

NL8.4FT Tropical Compressor R134a 220-240V 50Hz

General

Code number	105G6865
Approvals	EN 60335-2-34
Compressors on pallet	80

Application

Application	LBP				
Frequency	Hz	50	60		
Evaporating temperature	°C	-35 to -10	_		
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	МВР	HBP	LBP	МВР	HBP
32°C		S	_	_	_	_	_
38°C		F1	_	_	_	_	_
43°C		F1	_	_	_	_	_

Remarks on application: In capillary tube systems where non-equalized pressures may occur at compressor start, or in areas with short power supply drop-outs, a starting capacitor can be used for ensuring a successful start (CSIR)

Application NL8.4FT Blue stripe R134a SUCTION Approvals 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)
- F_2 = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficent
 - = not applicable in this area

Motor

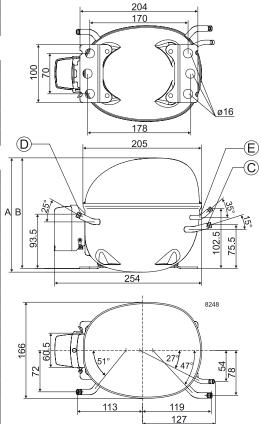
Motor type	RSIR/CSIR				
LRA (rated after 4 sec. UL984), HST LST	Α	9.4	7.5		
Cut in Current, HST LST	Α	9.4	11.6		
Resistance, main start winding (25°C)	Ω	10.6	18.1		

Design

Displacement	cm ³	8.35
Oil quantity (type)	cm ³	270
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm ³	2230
Weight without electrical equipment	kg	9.6

Dimensions

Height	mm	A 190
		B 184
		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:		

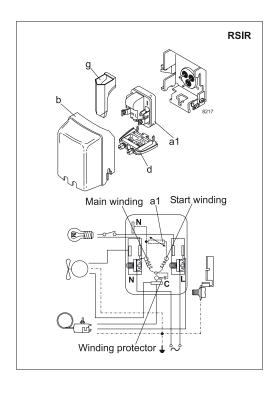


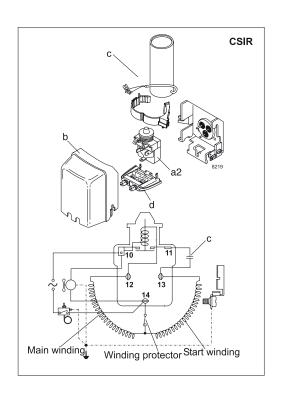
EN 12900 Household (CECOMAF) 220V, 50Hz, 2 W PTC consumption incl., static cooling

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			87	120	162	178	213	275	350								
Power cons. in W			127	146	169	178	195	223	252								
Current cons. in A			1.18	1.22	1.28	1.30	1.36	1.45	1.55								
COP in W/W			0.69	0.82	0.95	1.00	1.09	1.24	1.39								

ASHRAE LBP	220V, 50Hz, 2 W PTC consumption 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			107	148	199	219	262	339	432								
Power cons. in W			127	146	169	178	195	223	252								
Current cons. in A			1.18	1.22	1.28	1.30	1.36	1.45	1.55								
COP in W/W			0.84	1.01	1.17	1.23	1.34	1.52	1.72								





Accessories for	Figure	Code number	
PTC starting device	6.3 mm spade connectors	a1	103N0011
	4.8 mm spade connectors	a i	103N0018
Starting relay	6.3 mm spade connectors	a2	117U6001
Start capacitor 80 µF	6.3 mm spade connectors	С	117U5015
Cover		b	103N2010
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	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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