

PL35F Standard Compressor R134a 220-240V 50Hz

General

Code number	101G0202
Approvals	EN 60335-2-34 with Annex AA
Compressors on pallet	150

Application

Application	MBP		
	Hz	50	60
Frequency	Hz	50	60
Evaporating temperature	°C	-25 to 0	-
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		
		LBP	MBP	HBP	LBP	MBP	HBP
32°C		-	S	-	-	-	-
38°C		-	S	-	-	-	-
43°C		-	-	-	-	-	-
Remarks on application:							

Motor

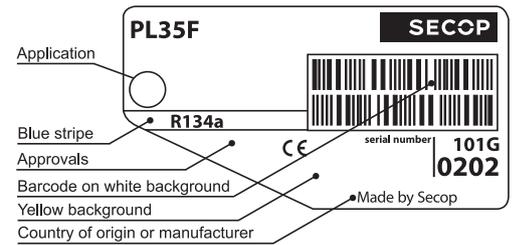
Motor type	RSIR		
LRA (rated after 4 sec. UL984), HST LST	A	-	1.7
Cut in Current, HST LST	A	-	5.6
Resistance, main start winding (25°C)	Ω	52.0	19.0

Design

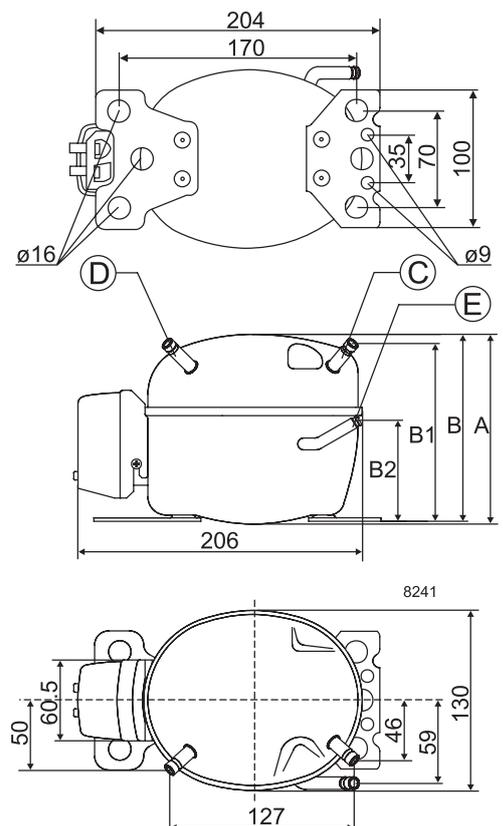
Displacement	cm ³	2.00
Oil quantity (type)	cm ³	150 (polyolester)
Maximum refrigerant charge	g	300
Free gas volume in compressor	cm ³	830
Weight without electrical equipment	kg	4.1

Dimensions

Height	mm	A	134
		B	132
		B1	125
		B2	73
Suction connector	location/I.D. mm angle	C	6.2 40°
	material comment	Cu-plated steel Al cap	
Process connector	location/I.D. mm angle	D	6.2 45°
	material comment	Cu-plated steel Al cap	
Discharge connector	location/I.D. mm angle	E	5.0 21°
	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:			



- S = Static cooling normally sufficient
- O = 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 sufficient
- = not applicable in this area

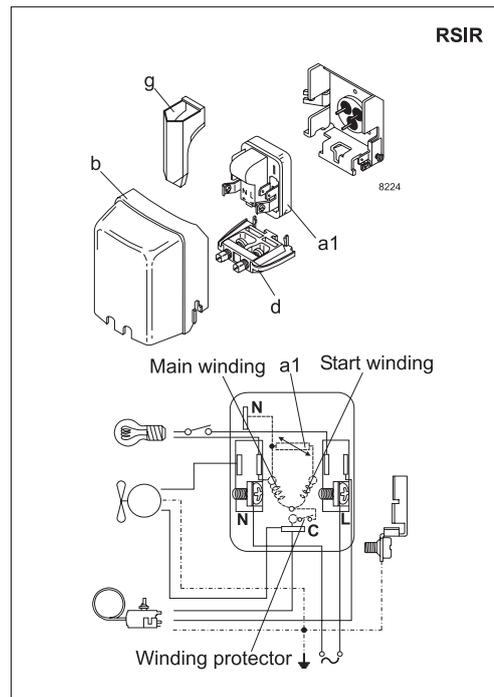


EN 12900 Household (CECOMAF) 220V, 50Hz, static cooling, 2 W PTC consumption incl.

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					31.9	36.0	44.6	60.3	78.9	93.0	101	125					
Power cons. in W					50.1	52.0	56.7	64.0	71.7	77.0	79.9	88.1					
Current cons. in A					0.50	0.50	0.51	0.53	0.55	0.57	0.58	0.62					
COP in W/W					0.64	0.69	0.79	0.94	1.10	1.20	1.25	1.42					

ASHRAE LBP 220V, 50Hz, static cooling, 2 W 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					39.8	45.0	55.6	75.0	98.2	116	125	156					
Power cons. in W					50.0	52.0	56.6	63.8	71.5	77.0	79.5	87.7					
Current cons. in A					0.50	0.50	0.51	0.53	0.55	0.57	0.58	0.62					
COP in W/W					0.80	0.86	0.98	1.18	1.37	1.51	1.57	1.78					



Accessories for	PL35F	Figure	Code number
PTC starting device	6.3 mm spade connectors	a1	103N0011
	4.8 mm spade connectors		103N0018
Starting relay	6.3 mm spade connectors	a2	–
Start. capacitor 60 µF	6.3 mm spade connectors	c	–
Cover		b	103N0491
Cord relief		d	103N1010
Protection screen for PTC		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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