

Single Pack PL50F 220-240V 50Hz CSIR

Single pack code number: **195B4251**

Position	Title	Code	Amount
1	Compressor PL50F	101G0222	1
2	Starting relay	117U6021	1
3	Starting capacitor (60µF 220V, 6.3mm)	117U5014	1
4	Cord relief	103N1010	1
5	Cover	103N0491	1
6	Bolt joint for one compressor M6 ø16mm	118-1917	1

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PL50F Standard Compressor (HST) R134a 220-240V 50Hz

General

Code number	101G0222
Approvals	EN 60335-2-34 with Annex AA
Compressors on pallet	150

Application

Application	MBP		
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		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		—	F ₂	—	—	—	—
38°C		—	F ₂	—	—	—	—
43°C		—	F ₂	—	—	—	—
Remarks on application: HST starting characteristics							

Motor

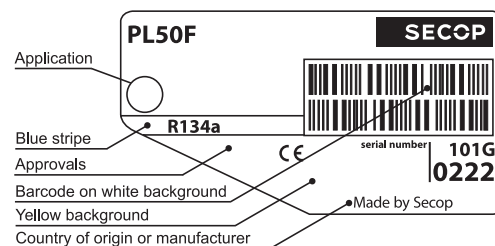
Motor type	CSIR		
LRA (rated after 4 sec. UL984), HST LST	A	4.2	—
Cut in Current, HST LST	A	4.2	—
Resistance, main start winding (25°C)	Ω	38.0	14.0

Design

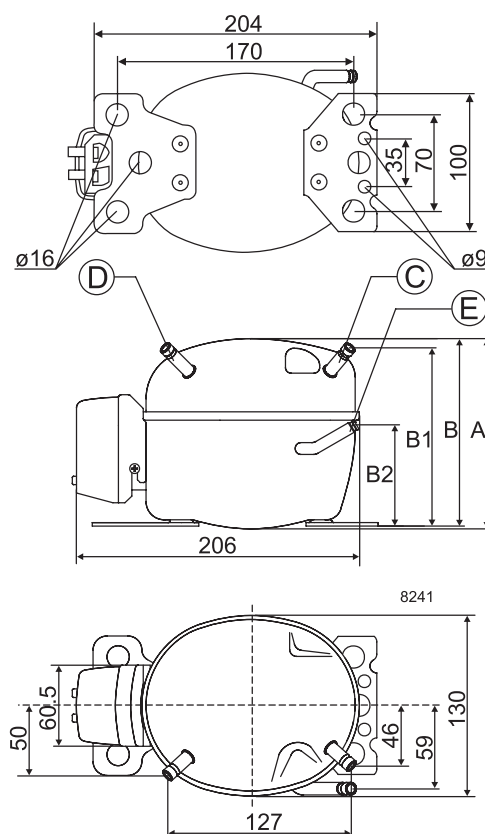
Displacement	cm ³	2.50
Oil quantity (type)	cm ³	150 (polyolester)
Maximum refrigerant charge	g	300
Free gas volume in compressor	cm ³	850
Weight without electrical equipment	kg	4.3

Dimensions

Height	mm	A	137
		B	135
		B1	128
		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)

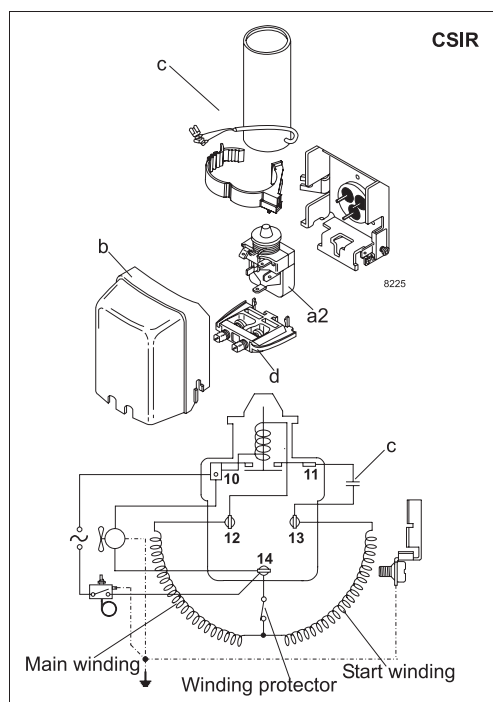
220V, 50Hz, fan cooling

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					40.0	45.1	55.8	74.1	95.2	111	120	148					
Power cons. in W					58.0	60.7	66.1	74.5	83.6	90.0	93.7	105					
Current cons. in A					0.50	0.51	0.53	0.55	0.58	0.61	0.62	0.66					
COP in W/W					0.69	0.74	0.84	0.99	1.14	1.23	1.28	1.41					

ASHRAE LBP

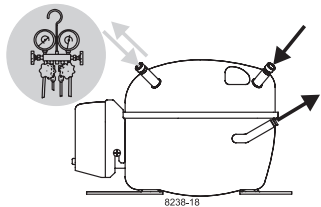
220V, 50Hz, fan cooling

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					49.3	55.6	68.9	91.5	118	138	148	183					
Power cons. in W					58.0	60.7	66.1	74.5	83.6	90.0	93.7	105					
Current cons. in A					0.50	0.51	0.53	0.55	0.58	0.61	0.62	0.66					
COP in W/W					0.85	0.92	1.04	1.23	1.41	1.54	1.59	1.76					



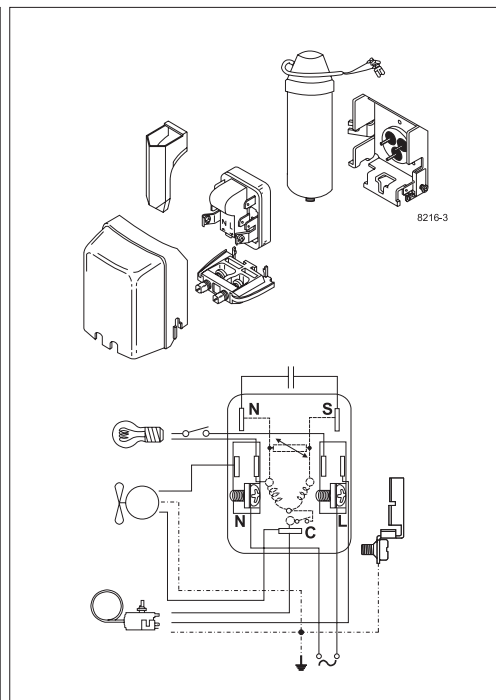
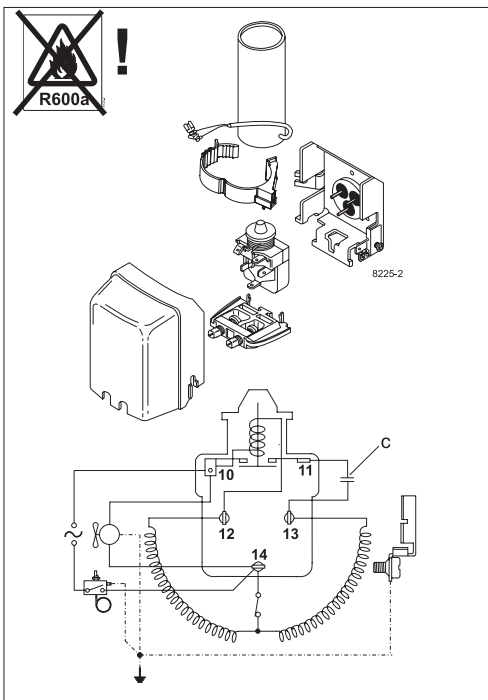
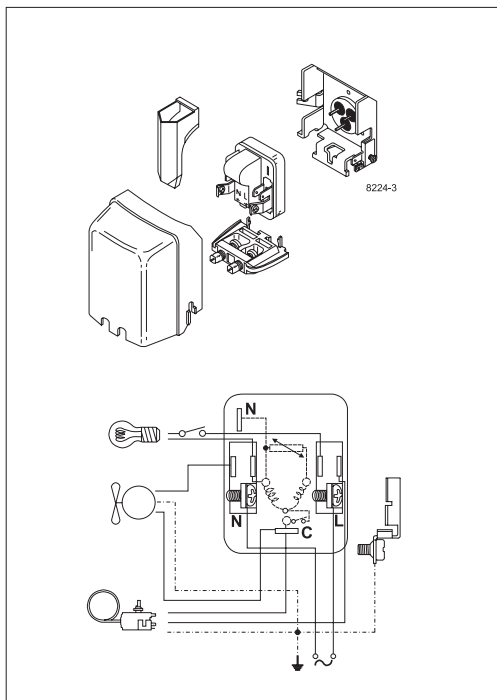
Accessories for	PL50F (HST)	Figure	Code number	Test conditions	EN 12900/ CECOMAF	ASHRAE
PTC starting device	6.3 mm spade connectors	a1	—	Condensing temperature	55°C	54.4°C
	4.8 mm spade connectors		—	Ambient temperature	32°C	32°C
Starting relay	6.3 mm spade connectors	a2	117U6021	Suction gas temperature	32°C	32°C
Start. capacitor 60 µF	6.3 mm spade connectors	c	117U5014	Liquid temperature	no subcooling	32°C
Cover		b	103N0491			
Cord relief		d	103N1010			
				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

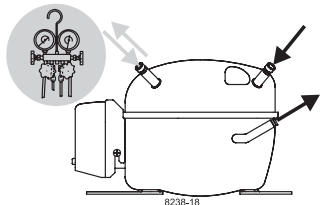
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PL Compressors

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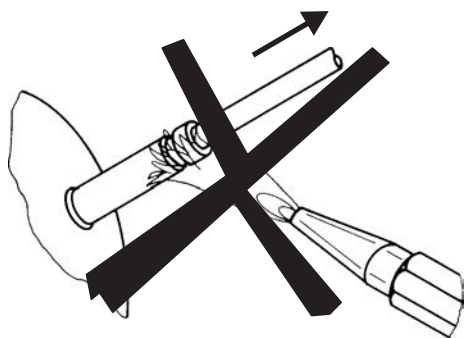




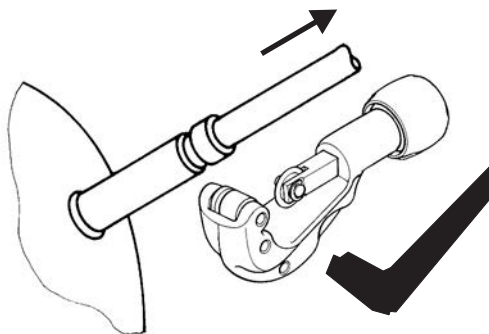
PL Compressors

Service/Repair – R600a

SECO P



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