

Single Pack PL35F 220-240V 50Hz RSIR

Codice Imballo Singolo: **195B4234**

Posizione	Titolo	Codice	Quantità
1	Compressor PL35F	101G0202	1
2	PTC starting device (220V, 250hm, 6.3mm)	103N0011	1
3	Protection screen for PTC	103N0476	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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Model

Designation	PL35F	220-240V/50Hz 1~	Sales code:	101G0202
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R134a
Oil viscosity	15cST	Displacement	2cm ³ / 0,12cu.in
Oil quantity	153cm ³ / 5,2fl.oz	Compressors on pallet	150
Refr. charge - tech. limit	300g / 10,6oz		
Free gas volume comp.	830cm ³ / 28,1fl.oz		
Weight	4,1kg / 9lbs		
Motor protection	1# internal		
Winding resistance main	52,61Ω (at 25°C)		
Winding resistance aux	20,08Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	130°C / 266°F		



General - Configurations with PL35F

Conf. 1

Motorconfiguration	RSIR
Power supply (nominal)	220-240V/50Hz
Number of phases	1
Voltage range	198-254V
Approvals	VDE, EAC
Starting torque	LST
Note	- / -

Applications with PL35F

Conf. 1

Refrigerant	R134a
Application	LBP+MBP
System cooling	static
Hot gas defrost	-/-
Long interval pull down	-/-

Electrical data - Configurations with PL35F

Conf. 1

Starting device type	PTC
Run capacitor	-/-
Start capacitor	-/-
LRA (locked rotor amps / 4s)	1,78A
RLA (rated load amps / 1s)	0,42A
Cut in current	5,92A

Model

Designation

PL35F

220-240V/50Hz 1~

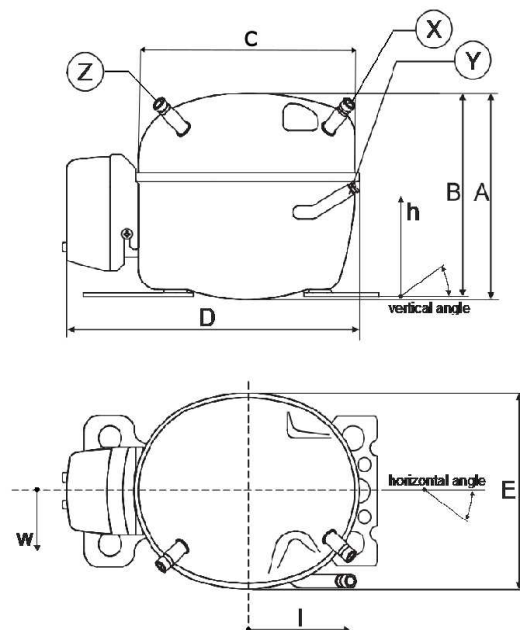
Sales code:

101G0202

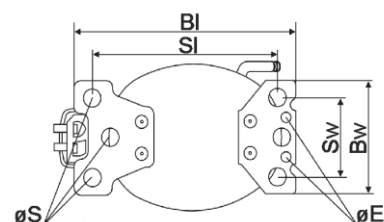
Compressor dimensions

Housing	A Height	137mm / 5,39in
	B Height	135mm / 5,31in
	C Length shell	156,3mm / 6,15in
	D Length w. cover	206mm / 8,11in
	E Width	130mm / 5,12in

Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6,41-6,59	øi 5,12-5,26	øi 6,41-6,59
(i:inside, o:outside) [in]	øi 0,25-0,26	øi 0,2-0,21	øi 0,25-0,26
Material	copper	steel/CU	copper
Horizontal angle ±2°	45°	0°	41,5°
Vertical angle ±2°	40°	21°	40°
Position l/h/w [mm]	64/31/47	60/68/76	35/64/47
[in]	2,5/1,2/1,9	2,4/2,7/3	1,4/2,5/1,9
Straight tube l. [mm]	12	12	12
[in]	0,5	0,5	0,5

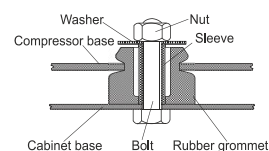


Compressor fixation

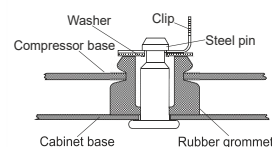


Baseplate	[mm]	[inch]
BI	204	8.03
Bw	100	3.94
øE	ø 9	ø 0.35
Small holes	[mm]	[inch]
SI	170	6.7
Sw	70	2.76
øS	ø 16	ø 0.63

Bolt joint



Snap-on



Mounting accessories

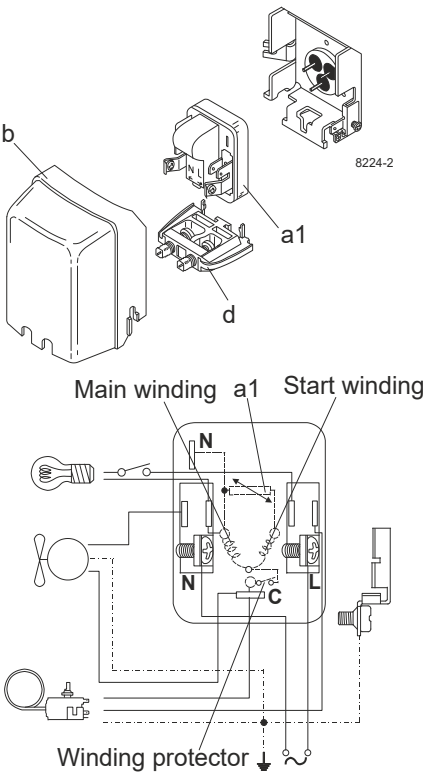
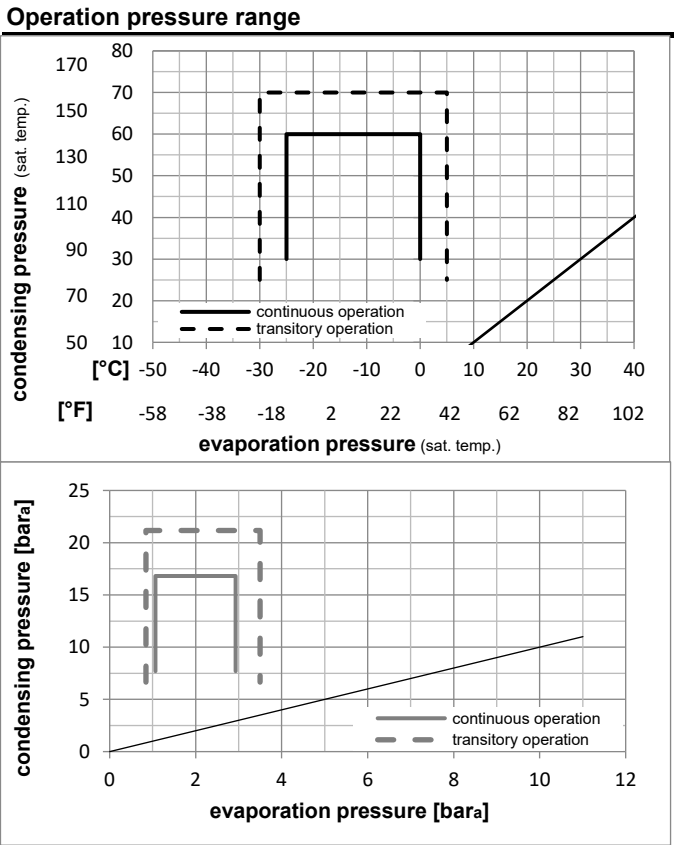
	one comp.	multi pack
Bolt joint M6 ø16mm	118-1917	118-1918
Bolt joint ø1/4" ø16mm	118-1946	
Snap-on ø7,3 ø16mm	118-1947	118-1919

Model				
Designation	PL35F	220-240V/50Hz	Conf. 1	Sales code: 101G0202

Configuration	Electrical accessories / wiring diagram			
Motorconfiguration	RSIR	RSIR		
Power supply (nominal)	220-240V/50Hz 1~			
Refrigerant	R134a			
Application	LBP+MBP			
Voltage range	198-254V			
Starting torque	LST			
Approvals	VDE			
	EAC			

Ambient temperatures / system cooling	
Ambient temperature min.:	10°C / 50°F
Ambient temperature max.:	38°C / 101°F

System cooling (n/a: outside limits)			
T ambient	LBP	MBP	HBP
32°C / 90°F	static	static	n/a
38°C / 100°F	static	static	n/a
43°C / 110°F	n/a	n/a	n/a



Components		
a1	PTC starter (220V, 25Ohm, 6.3mm)	103N0011
b	plastic cover	103N0491
d	cord relief	103N1010
g	protection screen for PTC	103N0476

Alternative components		
a1	PTC starter (220V, 25Ohm, 4.8mm)	103N0018
d	cord relief	103N1010
g	protection screen for PTC	103N0476

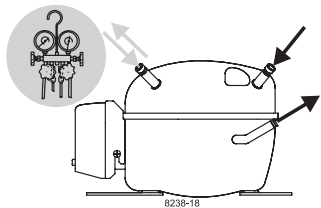
Model

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Optimization + standard conditions

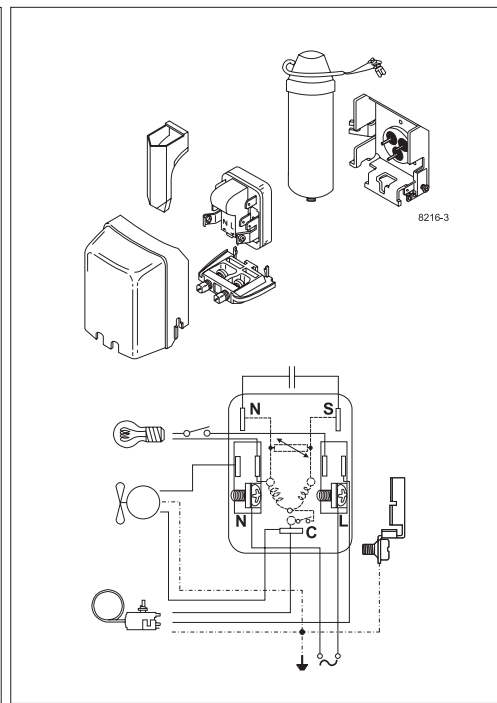
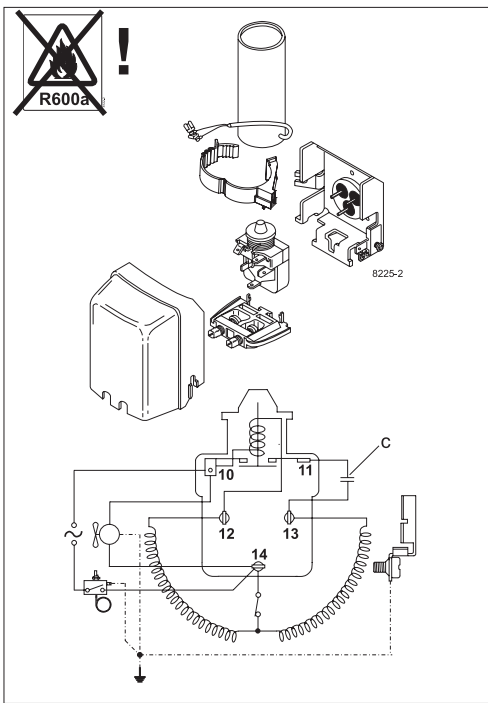
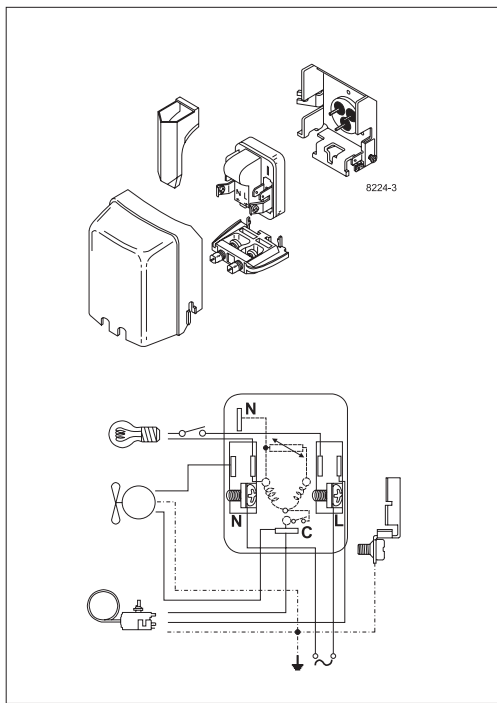
R134a, 220V/50Hz, RSIR, static, VDE, EAC

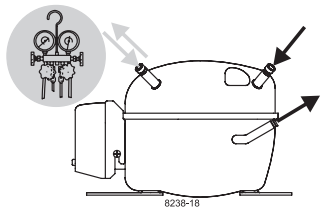
Evaporating pressure (saturation temperature)														
Condensing pressure (saturation temperature)														
Return gas temp.														
Liquid temp.														
Cooling capacity														
COP														
EER														
Power consumption														
Current consumption														
Ref. mass flow														
P1														
I														
ṁ														
pe														
pc														
RGT														
Tliq														
[W]														
[Btu/h]														
[kcal/h]														
[W/W]														
[Btu/Wh]														
[kcal/Wh]														
[W]														
[A]														
[kg/h]														
[°C]	-7	54	35	46	103,3	353	88,9	1,34	4,59	1,16	76,8	0,57	2,25	ASHRAE MBP
[°F]	20	130	95	115										
[°C]	-10	55	32	55	78,9	270	67,9	1,10	3,76	0,95	71,7	0,55	1,91	cecomaf MBP
[°F]	14	131	90	131										
[°C]	-10	45	20	45	93,6	320	80,5	1,41	4,80	1,21	66,5	0,54	2,19	EN12900 MBP
[°F]	14	113	68	113										
[°C]	-7	49	18	49	100,5	343	86,5	1,37	4,67	1,18	73,5	0,56	2,48	ARI540 MBP
[°F]	20	120	65	120										
[°C]	-10	45	32	45	97,1	332	83,6	1,46	4,98	1,26	66,5	0,54	2,12	opt
[°F]	14	113	90	113										
[°C]	-25	45	32	45	42,1	144	36,2	0,86	2,94	0,74	48,9	0,50	0,91	opt
[°F]	-13	113	90	113										



PL Compressors

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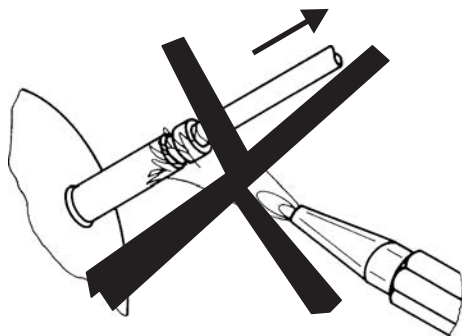




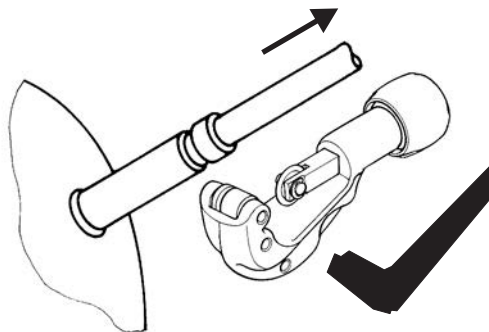
PL Compressors

Service/Repair – R600a

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