



Application FR8.50	L SEC
Lilac stripe	R404A
	R507
Approvals	serial number
Barcode on white background	
Yellow background	Made by Sec
Country of origin or manu	Ifacturer

General	
Code number	103U2890
Approvals	EN 60335-2-34
Compressors on pallet	80

Application

Frequency

Application

32°C

38°C

43°C

Cooling requirements

Remarks on application:

	LE	20				
Application						
lz	50	60				
С	-45 to -10	_				
V	198 - 254	_				
С	50 (60)	_				
С	125 (135)	—				
(C V C	C -45 to -10 V 198 - 254 C 50 (60)				

Hz

LBP MBP HBP LBP MBP HBP

 F_2

 F_2

- | - | - | -

50

_ | _ | _ | _

_

_

_ | _

= Static cooling normally sufficient

O = Oil cooling

S

60

_

_

- | -

- $F_1 = Fan \text{ cooling } 1.5 \text{ m/s}$
 - (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

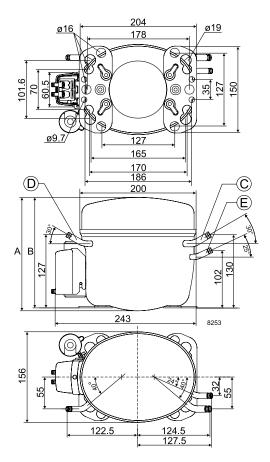
Motor type	CSIR				
LRA (rated after 4 sec. UL984), HST LST	А	10.0	_		
Cut in Current, HST LST	A	10.0	-		
Resistance, main start winding (25°C)	Ω	7.3	12.0		

Design

Displacement	cm ³	7.95
Oil quantity (type)	cm ³	450 (polyolester)
Maximum refrigerant charge	g	850
Free gas volume in compressor	cm ³	1350
Weight without electrical equipment	kg	10.6

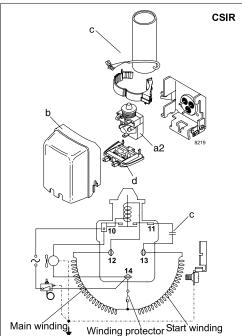
Dimensions

Height	mm	А	196
		В	191
		B1	-
		B2	-
Suction connector	location/I.D. mm angle	С	8.2 30°
	material comment		Cu-plated steel Al cap
Process connector	location/I.D. mm angle	D	6.2 30°
	material comment		Cu-plated steel Al cap
Discharge connector	location/I.D. mm angle	Е	6.2 25°
	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 Househo	ld (CEC	OMAF)	220V,	50Hz, f	an cooli	ing F ₂										
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	99	126	168	222	290	317	372	468	577								
Power cons. in W	171	198	231	271	315	331	364	417	472								
Current cons. in A	1.61	1.64	1.72	1.83	1.97	2.03	2.15	2.35	2.57								
COP in W/W	0.58	0.64	0.72	0.82	0.92	0.96	1.02	1.12	1.22								

ASHRAE LBP*				220V,	50Hz, f	an cooli	ing F ₂										
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	115	147	195	259	338	369	434	546	674								
Power cons. in W	171	198	231	271	315	331	364	417	472								
Current cons. in A	1.61	1.64	1.72	1.83	1.97	2.03	2.15	2.35	2.57								
COP in W/W	0.67	0.74	0.84	0.96	1.07	1.11	1.19	1.31	1.43								



Winding protector Start winding

Accessories for	FR8.5CL	Figure	Code number	Test conditions	EN 12900/CECOMAF	ASHRAE LBP*
PTC starting device	6.3 mm spade connectors	a1	-	Condensing temperature	45°C	45°C
	4.8 mm spade connectors	aı	_	Ambient temperature	32°C	32°C
Starting relay	6.3 mm spade connectors	a2	117U6010	Suction gas temperature	32°C	32°C
Cover		b	103N2010	Liquid temperature	no subcooling	32°C
Start. capacitor 80 µl	6.3 mm spade connectors	С	117U5015			
Cord relief		d	103N1010	Mounting accessories		Code number
Protection screen for	PTC	g	-	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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