

## Single Pack SC10CNX.2 115V 60Hz CSIR

Single pack code number: **195B4523**

Position	Title	Code	Amount
1	Compressor SC10CNX.2	104H7070	1
2	Starting relay	117U7020	1
3	Starting capacitor (240 $\mu$ F 125V, 6.3mm)	117U5023	1
4	Cord relief	103N1004	1
5	Cover	103N2008	1
6	Bolt joint for one compressor   M6   $\varnothing$ 16mm	118-1917	1

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## SC10CNX.2 LBP/MBP Compressor R290 115V 60Hz

### General

Code number	104H7070
Approvals	UL984
Compressors on pallet	80

### Application

Application	LBP/MBP			
Frequency	Hz	50	60	
Evaporating temperature	°F	-	-49 to 45	
Voltage range	V	-	95 - 135	
Max. condensing temperature continuous (short)	°F	-	131 (149)	
Max. winding temperature continuous (short)	°F	-	257 (275)	

### Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
90°F		-	-	-	F <sub>2</sub>	F <sub>2</sub>	-
100°F		-	-	-	F <sub>2</sub>	F <sub>2</sub>	-
110°F		-	-	-	F <sub>2</sub>	F <sub>2</sub>	-
Remarks on application:							

### Motor

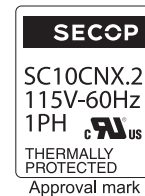
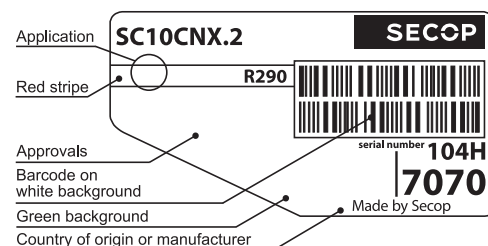
Motor type	CSIR		
LRA (rated after 4 sec. UL984), HST   LST	A	41.9	-
Cut in Current, HST   LST	A	41.9	-
Resistance, main   start winding (77°F)	Ω	1.0	4.3

### Design

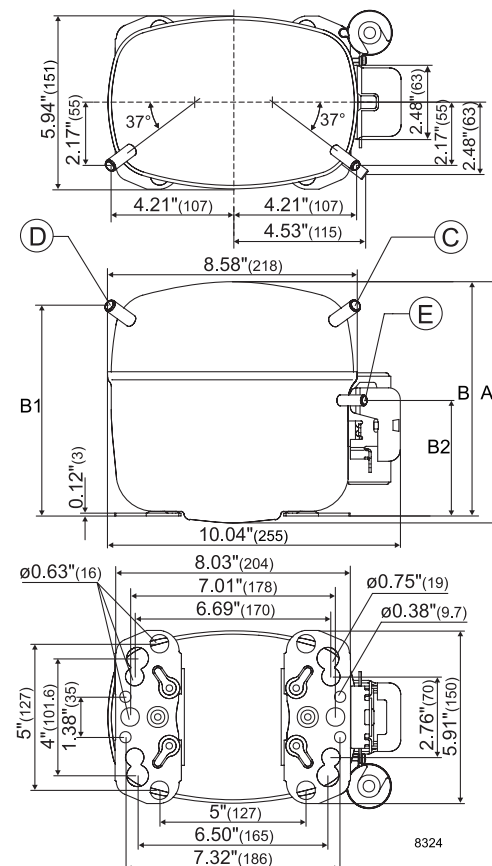
Displacement	cu.in	0.63
Oil quantity (type)	fl.oz.	16.9 (polyolester)
Maximum refrigerant charge	oz.	5.3
Free gas volume in compressor	fl.oz.	49.4
Weight without electrical equipment	lbs.	27.8

### Dimensions

Height	inch	A	8.23
		B	8.00
		B1	7.20
		B2	3.93
Suction connector	location, I.D. in.   angle	C	0.378-0.385   37°
	material   comment		Copper   Rubber plug
Process connector	location, I.D. in.   angle	D	0.252-0.259   37°
	material   comment		Copper   Rubber plug
Discharge connector	location, I.D. in.   angle	E	0.252-0.259   37°
	material   comment		Copper   Rubber plug
Oil cooler connector	location, I.D. in.   angle	F	-
	material   comment		-
Remarks:			



- S = Static cooling normally sufficient
- O = Oil cooling
- F<sub>1</sub> = Fan cooling 1.5 m/s  
(compressor compartment temperature equal to ambient temperature)
- F<sub>2</sub> = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area



**ASHRAE LBP**

115V, 60Hz, fan cooling F<sub>2</sub>

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in BTU/h		204	571	1007	1359	1523	2133	2848	3167	3682	4649	5762	5882	6378			
Power cons. in W		193	262	325	366	383	434	479	495	517	548	572	573	580			
Current cons. in A		4.99	5.21	5.44	5.60	5.67	5.92	6.17	6.28	6.44	6.71	7.00	7.02	7.14			
EER in BTU/Wh		1.06	2.18	3.10	3.71	3.98	4.91	5.95	6.40	7.12	8.48	10.08	10.26	10.99			

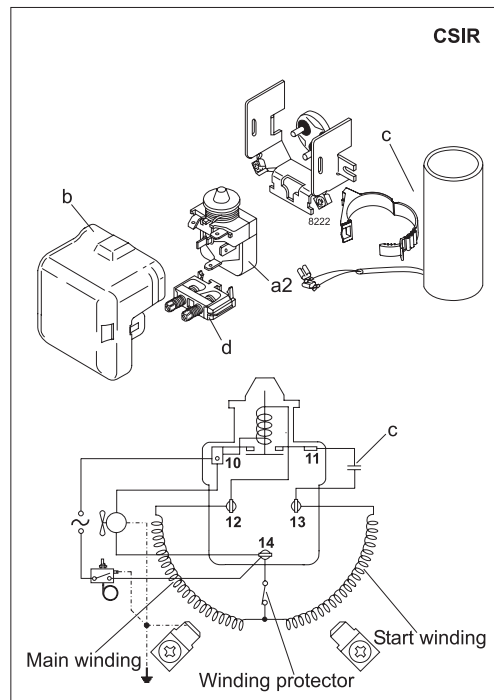
**ASHRAE HBP/MBP**

115V, 60Hz, fan cooling F<sub>2</sub>

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in BTU/h		181	509	896	1209	1355	1896	2530	2812	3269	4123	5104	5210	5646			
Power cons. in W		193	262	325	366	383	434	479	495	517	548	572	573	580			
Current cons. in A		4.99	5.21	5.44	5.60	5.67	5.92	6.17	6.28	6.44	6.71	7.00	7.02	7.14			
EER in BTU/Wh		0.94	1.94	2.76	3.30	3.54	4.37	5.28	5.68	6.32	7.52	8.93	9.09	9.73			

**EN 12900 Household (CECOMAF)\*** 115V, 60Hz, fan cooling F<sub>2</sub>

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in W	53	125	219	332	423	465	623	808	890	1022	1269	1552	1583	1708			
Power cons. in W	160	217	275	328	362	375	417	453	466	483	506	521	522	526			
Current cons. in A	4.95	5.08	5.24	5.40	5.53	5.58	5.77	5.96	6.04	6.17	6.38	6.61	6.63	6.73			
COP in W/W	0.33	0.58	0.80	1.01	1.17	1.24	1.49	1.78	1.91	2.12	2.51	2.98	3.03	3.25			



Accessories for	SC10CNX.2	Figure	Code number	Test conditions	ASHRAE LBP	ASHRAE HBP/MBP	EN 12900/CECOMAF*
PTC starting device	1/4 in. spade connect.	-	-	Condensing temp.	130°F	130°F	113°F
	3/16 in. spade connect.		-	Ambient temp.	90°F	90°F	90°F
Starting relay	1/4 in. spade connect.	a2	117U7020	Suction gas temp	90°F	95°F	90°F
Cover		b	103N2008	Liquid temperature	90°F	115°F	no subcooling
Start. capacitor 240 µF	1/4 in. spade connect.	c	117U5023				
Cord relief		d	103N1004				
Protection screen for PTC		-	-				
<b>Mounting accessories</b>					<b>Code number</b>		
Bolt joint for one comp.					Ø: 5/8 in.	118-1917	
Bolt joint in quantities					Ø: 5/8 in.	118-1918	
Snap-on in quantities					Ø: 5/8 in.	118-1919	

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# SC Compressors





# SC Compressors

## Service/Repair – R290



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