

## SCE15MNX MBP Compressor R290 115-127V 60Hz

### General

Code number	104H7579
Approvals	UL984
Compressors on pallet	80

### Application

Application	MBP			
Frequency	Hz	50	60	
Evaporating temperature	°F	–	-10 to 45	
Voltage range	V	–	103 - 127	
Max. condensing temperature continuous	°F	–	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>	–
100°F		–	–	–	–	F <sub>2</sub>	–
110°F		–	–	–	–	F <sub>2</sub>	–
Remarks on application:							

### Motor

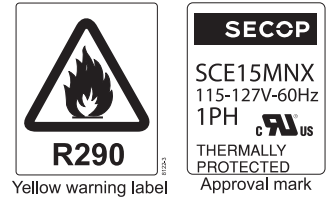
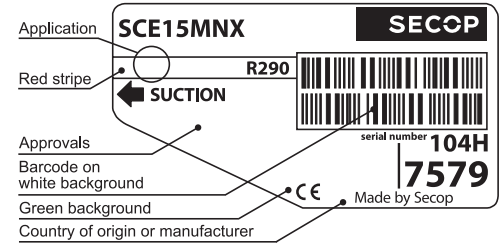
Motor type	CSR			
LRA (rated after 4 sec. UL984), HST   LST	A	44.1	–	
Cut in Current, HST   LST	A	44.1	–	
Resistance, main   start winding (77°F)	Ω	0.8	2.9	

### Design

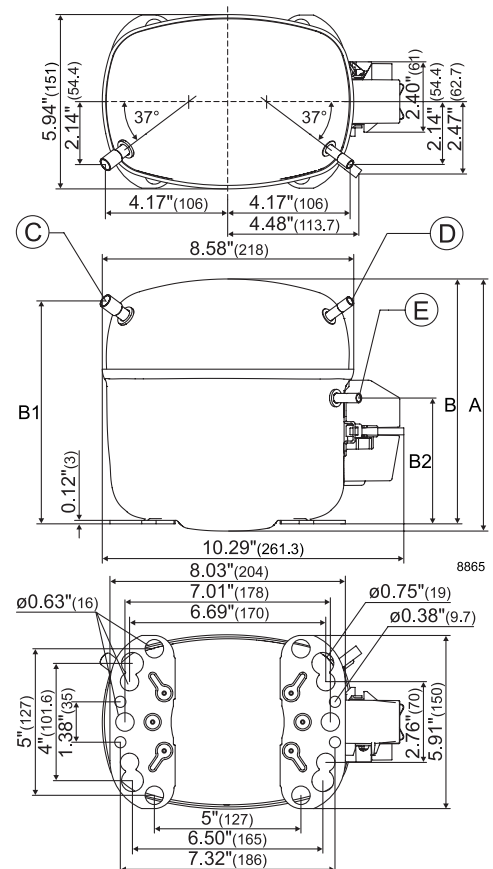
Displacement	cu.in	0.93
Oil quantity (type)	fl.oz.	18.6 (polyolester)
Maximum refrigerant charge, legal limit	oz.	5.3
Maximum refrigerant charge, technical limit	oz.	19.4
Free gas volume in compressor	fl.oz.	49.4
Weight without electrical equipment	lbs.	31.3

### Dimensions

Height	inch	A	8.62
		B	8.39
		B1	7.60
		B2	4.33
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 MBP/HBP**

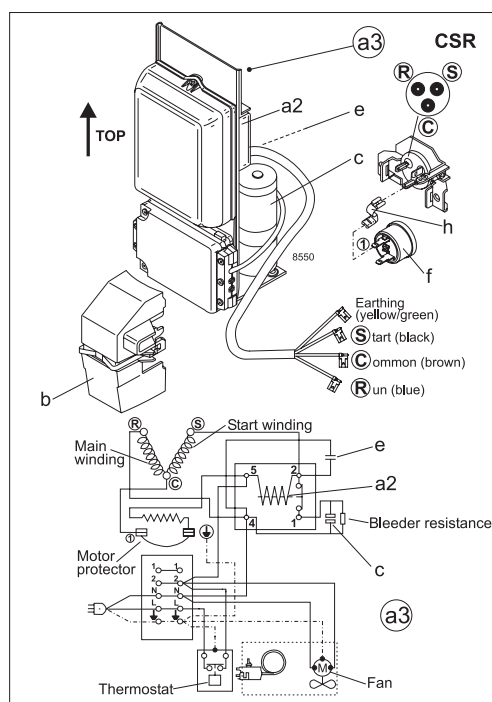
 115V, 60Hz, fan cooling F<sub>2</sub>

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59
Capacity in BTU/h						2396	3210	4170	4594	5272	6512	7886	8031	8623		
Power cons. in W						496	574	646	672	709	763	807	810	823		
Current cons. in A						5.43	6.01	6.58	6.80	7.11	7.57	7.94	7.97	8.08		
EER in BTU/Wh						4.83	5.59	6.46	6.84	7.43	8.53	9.78	9.91	10.5		

**EN 12900 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
Capacity in W						766	1003	1280	1403	1598	1955	2351	2393	2563		
Power cons. in W						531	585	640	662	694	746	794	798	816		
Current cons. in A						5.53	5.88	6.27	6.43	6.68	7.07	7.42	7.45	7.57		
COP in W/W						1.44	1.71	2.00	2.12	2.30	2.62	2.96	3.00	3.14		



Accessories for	SCE15MNX	Figure	Code number
Starting device assembly			
CSR	16.5 in. cable length	a3	117-7801
Cover		b	117U1021 *)
Protector		f	117U3216 *)
Protector holder		h	117U0439 *)
*) Remarks: Cover, protector, protector holder parts of compressor			

Test conditions	EN 12900	ASHRAE
	MBP	MBP/HBP
Condensing temperature	113°F	130°F
Ambient temperature	90°F	90°F
Suction gas temperature	68°F	95°F
Liquid temperature	no subcooling	115°F

Mounting accessories		Code number
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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