

SCE15CNLX LBP Compressor R290 115-127V 60Hz

General

Code number	104H7578
Approvals	UL984, EAC
Compressors on pallet	80

Application

Application	LBP			
Frequency	Hz	50	60	
Evaporating temperature	°F	–	-40 to 20	
Voltage range	V	–	95 - 135	
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 ₂	–	–
100°F		–	–	–	F ₂	–	–
110°F		–	–	–	F ₂	–	–
Remarks on application:							

Motor

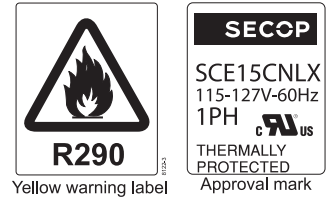
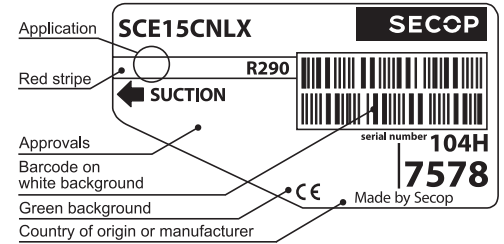
Motor type	CSR		
LRA (rated after 4 sec. UL984), HST LST	A	40.4	–
Cut in Current, HST LST	A	40.4	–
Resistance, main start winding (77°F)	Ω	0.8	2.8

Design

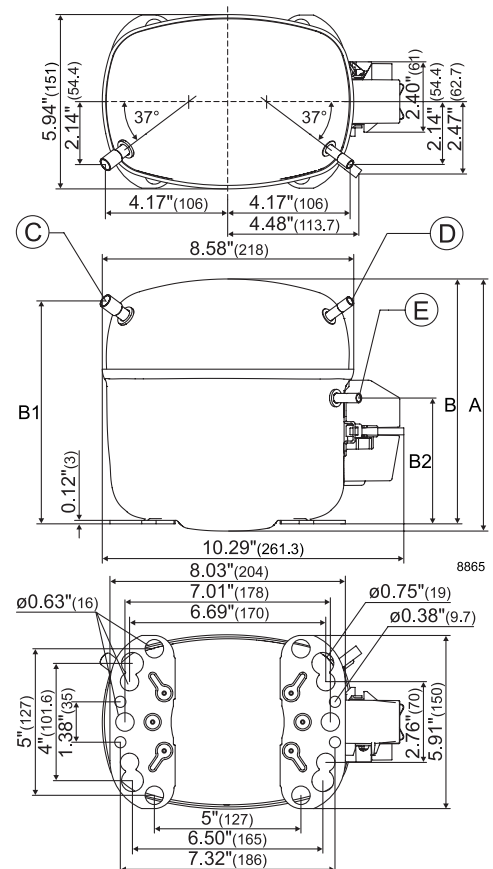
Displacement	cu.in	0.93
Oil quantity (type)	fl.oz.	18.6 (polyolester)
Maximum refrigerant charge, legal limit	oz.	5.3
Maximum refrigerant charge, technical limit	oz.	15.9
Free gas volume in compressor	fl.oz.	49.4
Weight without electrical equipment	lbs.	31.3

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
- 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



ASHRAE LBP

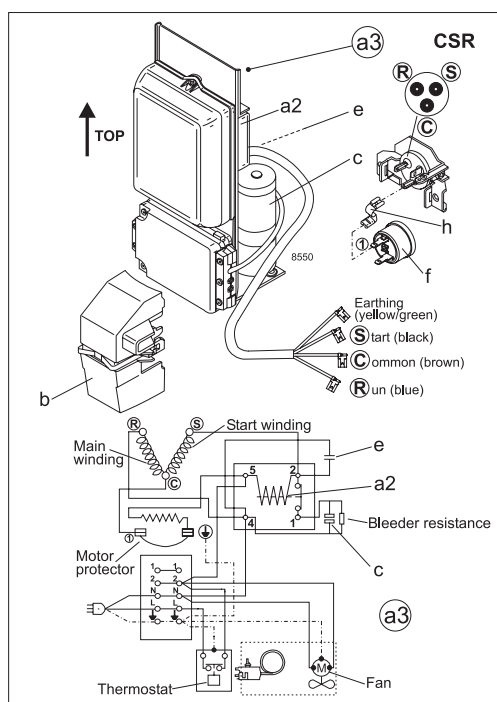
 115V, 60Hz, fan cooling F₂

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59
Capacity in BTU/h			852	1816	2426	2683	3568	4587	5058	5857						
Power cons. in W			310	412	474	498	573	643	671	713						
Current cons. in A			3.38	4.31	4.833	5.03	5.63	6.18	6.41	6.77						
EER in BTU/Wh			2.75	4.40	5.12	5.38	6.22	7.13	7.54	8.21						

EN 12900 LBP

 115V, 60Hz, fan cooling F₂

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59
Capacity in W		196	433	640	782	844	1072	1351	1482	1708						
Power cons. in W		305	383	447	486	503	557	615	641	684						
Current cons. in A		3.17	3.90	4.44	4.75	4.87	5.27	5.72	5.93	6.29						
COP in W/W		0.64	1.13	1.43	1.61	1.68	1.92	2.19	2.31	2.5						



Accessories for	SCE15CNLX	Figure	Code number
Starting device assembly			
CSR	16.5 in. cable length	a3	117-7801
Cover		b	117U1021 *)
Protector		f	117U3218 *)
Protector holder		h	117U0439 *)
*) Remarks: Cover, protector, protector holder parts of compressor			

Test conditions	EN 12900	ASHRAE
	LBP	LBP
Condensing temperature	104°F	130°F
Ambient temperature	90°F	90°F
Suction gas temperature	68°F	90°F
Liquid temperature	no subcooling	90°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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