

SCE18CNLX LBP Compressor R290 115-127V 60Hz

General

Code number	104H7878
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

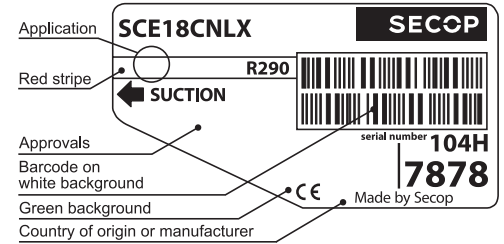
Motor type	CSR		
LRA (rated after 4 sec. UL984), HST LST	A	44.1	–
Cut in Current, HST LST	A	44.1	–
Resistance, main start winding (77°F)	Ω	0.8	2.9

Design

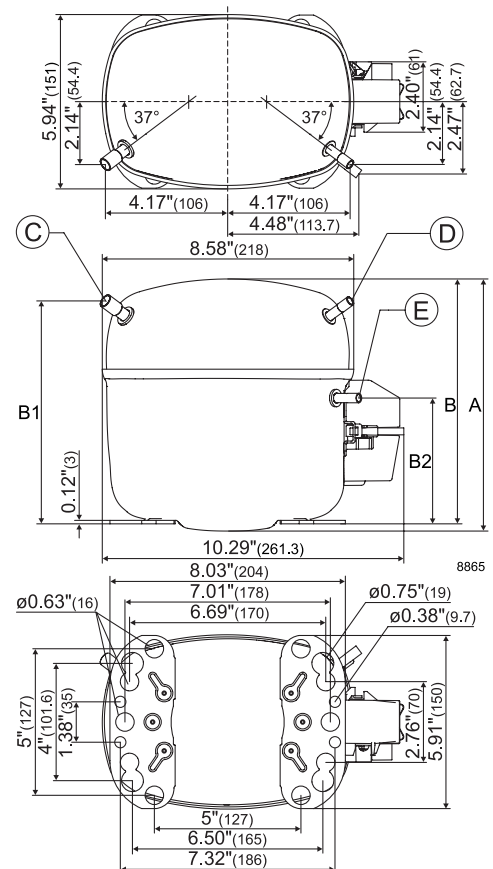
Displacement	cu.in	1.08
Oil quantity (type)	fl.oz.	18.6 (polyolester)
Maximum refrigerant charge, legal limit	oz.	5.3
Maximum refrigerant charge, technical limit	oz.	15.9
Free gas volume in compressor	fl.oz.	49.4
Weight without electrical equipment	lbs.	31.3

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

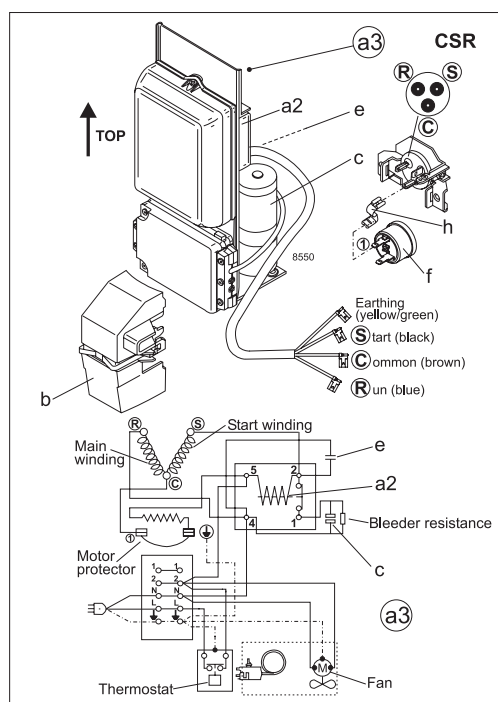
 115V, 60Hz, fan cooling F₂

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59
Capacity in BTU/h		330	1352	2286	2934	3220	4244	5450	6003	6928						
Power cons. in W		277	381.1	482	550.1	579	672	760	794	843						
Current cons. in A		3.80	4.36	5.04	5.54	5.76	6.49	7.22	7.51	7.93						
EER in BTU/Wh		1.20	3.55	4.74	5.33	5.56	6.32	7.17	7.56	8.22						

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		235	497	743	918	996	1275	1603	1752	2000						
Power cons. in W		333	423	507	561	583	652	713	736	767						
Current cons. in A		4.00	4.51	5.05	5.43	5.59	6.11	6.57	6.74	6.97						
COP in W/W		0.7	1.17	1.47	1.64	1.71	1.96	2.25	2.38	2.61						



Accessories for	SCE18CNLX	Figure	Code number
Starting device assembly			
CSR	16.5 in. cable length	a3	117-7801
Cover		b	117U1021 *)
Protector		f	117U3219 *)
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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