

Model

Designation	CU SCE21CNLX R290 230/1/50 CA	Sales code:	314H4002
		Engineering code:	CUSCE21CNLXCE



Application Data

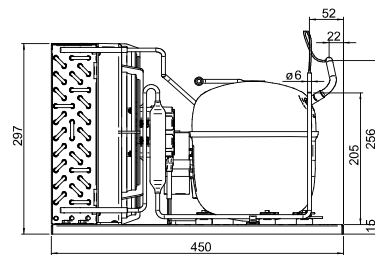
Power supply	220-240V / 50Hz 1~
Refrigerants	R290
Refr. charge - tech. limit	500g / 17,6oz
Starter	HST / capillary tube or expansion valve
Sound pressure (10m)	33,6dB(A)

Generic data

Voltage range	207 - 242V / 50Hz
Refrigerant	R290
Application	LBP
Rated performance	<u>pe=-25°C, Tsuc=20°C, Tamb=25°C, subcooling: 2K</u>
Cooling capacity	916W / 3129Btu/h
Power consumption	578,1W
Current consumption	3,3A
COP/EER	1,59 / 5,41Btu/Wh
Approvals	Eco design (EU) 2015/1095, CE, UK CA, VDE

Compressor

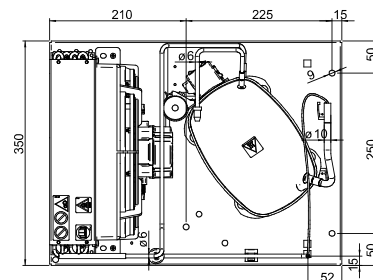
Designation	SCE21CNLX
Motor configuration	CSIR
Locked rotor amperage	19,67A
Rated load amperage	3,76A
Winding resistance main	3,57Ω
Winding resistance aux	18,6Ω
Oil quantity	550cm ³ / 18,6fl.oz
Oil type	POE
Horsepower rating	5/6 HP



Dimensions

Condensing unit

Height x Width x Depth	297 x 350 x 450 [mm] / 11,7 x 13,8 x 17,7 [in]
Weight	23kg / 50,7lbs
Suction adapter	OD ø10mm / 2/5in
Discharge adapter	OD ø6mm / 1/4in
Process connector	ø6,2mm / 0,24in



Package data

Height x Width x Depth	340 x 372 x 570 [mm] / 13,4 x 14,6 x 22,4 [in]
Weight	26kg / 57,3lbs

Model

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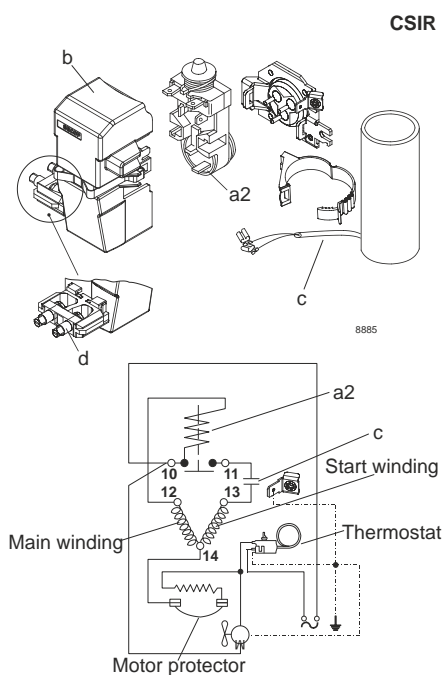
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Components Condensing-Unit / Spare Parts

Component	Type	Spare part code number
Compressor code	SCE21CNLX	104H8164
Condenser	Condenser (5 rows x 11 tubes)	SP 314S0011
Fan motor		MP 314S0017
Blade code	ø254mm 28°	SP 314S0027
Air flow	580,5m³/h	
Receiver code	not installed	-/-
Suction valve code	OD ø10mm / 2/5in	-/-
Liquid valve code	OD ø6mm / 1/4in	-/-

Compressor starting equipment	Spare part code number
pos. a2 - assy. relay + ext. protecto	117U7400
pos. c - start capacitor (80µF)	117U5017
pos. d - cord relief	103N1004
pos. b - plastic cover + clamp	117U1033

Wiring Sketch Compressor



Model

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Cooling performance - Conf. 1

Power supply	220-240V / 50Hz 1~	Voltage range	207 - 242V / 50Hz
Refr. charge - tech. limit	500g / 17,6oz		
Starter	HST / capillary tube or expansion valve		
Motor configuration	CSIR		
Refrigerant	R290		
Application	LBP		
Approvals	Eco design (EU) 2015/1095, CE, UK CA, VDE		

ambient temperature	[°C / °F]	25 / 77 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)						
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31	-25 / -13	-20 / -4	-10 / 14	-5 / 23
cooling capacity	[W]	312	444	589	916	1098	1493	1706
COP	[W/W]	0,86	1,1	1,3	1,58	1,69	1,81	1,83
cooling capacity	[Btu/h]	1065	1515	2010	3129	3749	5100	5827
power consumption	[W]	362	403	454	578	651	826	932
current consumption	[A]	3	2,9	3	3,3	3,7	4,4	4,9

ambient temperature	[°C / °F]	32 / 90 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)						
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31	-25 / -13	-20 / -4	-10 / 14	-5 / 23
cooling capacity	[W]	289	401	527	818	981	1344	1541
COP	[W/W]	0,76	0,96	1,13	1,37	1,44	1,51	1,51
cooling capacity	[Btu/h]	988	1370	1800	2792	3351	4589	5263
power consumption	[W]	379	417	466	599	682	888	1019
current consumption	[A]	2,7	2,8	3	3,5	3,9	4,7	5,1

ambient temperature	[°C / °F]	38 / 100 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)				
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31	-25 / -13	-20 / -4
cooling capacity	[W]	252	350	462	728	881
COP	[W/W]	0,68	0,85	1	1,19	1,25
cooling capacity	[Btu/h]	861	1196	1579	2486	3007
power consumption	[W]	373	412	464	610	704
current consumption	[A]	2,7	2,9	3,1	3,7	4

ambient temperature	[°C / °F]	43 / 109 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)				
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31	-25 / -13	-20 / -4
cooling capacity	[W]	227	313	415	663	808
COP	[W/W]	0,63	0,78	0,91	1,07	1,11
cooling capacity	[Btu/h]	775	1070	1417	2263	2759
power consumption	[W]	359	400	457	618	725
current consumption	[A]	2,8	2,9	3,1	3,6	3,9