

Model

Designation

CU SCE21MNX R290 230/1/50 CAP



Sales code:

314H4005

Engineering code: CUSCE21MNX0CE

Application Data

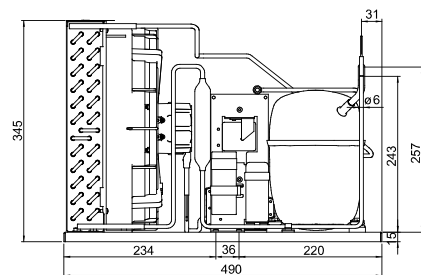
Power supply	220-240V / 50Hz 1~
Refrigerants	R290
Refr. charge - tech. limit	550g / 19,4oz
Starter	HST / capillary tube or expansion valve
Sound pressure (10m)	36,5dB(A)

Generic data

Voltage range	198 - 254V / 50Hz
Refrigerant	R290
Application	MBP
Rated performance	<u>pe=-10°C, Tsuc=20°C, Tamb=25°C, subcooling: 2K</u>
Cooling capacity	1683W / 5749Btu/h
Power consumption	723,4W
Current consumption	3,6A
COP/EER	2,33 / 7,95Btu/Wh
Approvals	Eco design (EU) 2015/1095, CE, UK CA, VDE

Compressor

Designation	SCE21MNX
Motor configuration	CSCR
Locked rotor amperage	22,3A
Rated load amperage	3,69A
Winding resistance main	3,65Ω
Winding resistance aux	14,16Ω
Oil quantity	550cm ³ / 18,6fl.oz
Oil type	POE
Horsepower rating	1 HP



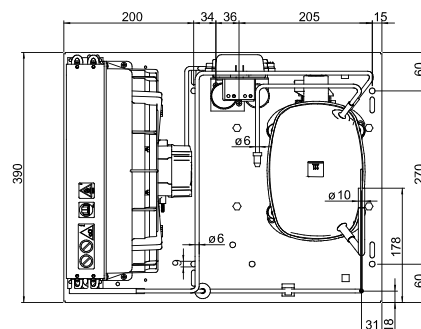
Dimensions

Condensing unit

Height x Width x Depth	345 x 390 x 490 [mm] / 13,6 x 15,4 x 19,3 [in]
Weight	22kg / 48,4lbs
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	380 x 450 x 540 [mm] / 15 x 17,7 x 21,3 [in]
Weight	26kg / 57,2lbs



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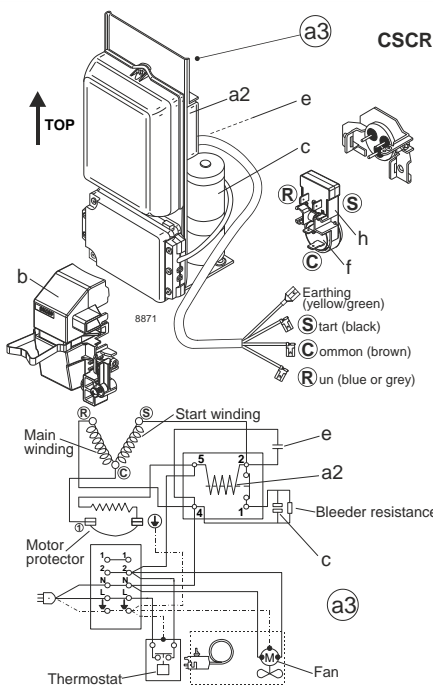
Components Condensing-Unit / Spare Parts

Component	Type	Spare part code number
Compressor code	SCE21MNX	104H8160
Condenser	Condenser (4 rows x 13 tubes)	1340315F10
Fan motor		62010155
Blade code	ø300mm 22°	A300-22
Air flow	985,5m³/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. a3 - SC starter kit	117-7800
pos. f / h - motor protector assy. (T 117U8000	
pos. b - plastic cover	117U1028

Wiring Sketch Compressor



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Cooling performance - Conf. 1

Power supply	220-240V / 50Hz 1~	Voltage range	198 - 254V / 50Hz
Refr. charge - tech. limit	550g / 19,4oz		
Starter	HST / capillary tube or expansion valve		
Motor configuration	CSCR		
Refrigerant	R290		
Application	MBP		
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]	-25 / -13	-20 / -4	-15 / 5	-10 / 14	0 / 32	5 / 41	10 / 50
cooling capacity	[W]	998	1205	1433	1683	2255	2573	2911
COP	[W/W]	1,79	1,98	2,15	2,33	2,67	2,82	2,97
cooling capacity	[Btu/h]	3410	4114	4894	5749	7701	8786	9943
power consumption	[W]	557	610	666	723	845	911	979
current consumption	[A]	2,9	3,1	3,3	3,6	4,1	4,4	4,7

ambient temperature	[°C / °F]	32 / 90 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)						
evaporating temperature	[°C / °F]	-25 / -13	-20 / -4	-15 / 5	-10 / 14	0 / 32	5 / 41	10 / 50
cooling capacity	[W]	917	1110	1319	1545	2053	2335	2635
COP	[W/W]	1,6	1,76	1,9	2,03	2,27	2,38	2,48
cooling capacity	[Btu/h]	3132	3792	4504	5277	7013	7976	8998
power consumption	[W]	572	632	695	762	904	981	1061
current consumption	[A]	2,9	3,2	3,5	3,8	4,4	4,7	5,1

ambient temperature	[°C / °F]	38 / 100 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)						
evaporating temperature	[°C / °F]	-25 / -13	-20 / -4	-15 / 5	-10 / 14	0 / 32	5 / 41	10 / 50
cooling capacity	[W]	841	1023	1215	1420	1875	2125	2390
COP	[W/W]	1,43	1,56	1,67	1,77	1,95	2,03	2,1
cooling capacity	[Btu/h]	2873	3494	4150	4849	6402	7256	8162
power consumption	[W]	589	656	727	802	963	1048	1138
current consumption	[A]	3	3,3	3,6	3,9	4,6	5	5,4

ambient temperature	[°C / °F]	43 / 109 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)						
evaporating temperature	[°C / °F]	-25 / -13	-20 / -4	-15 / 5	-10 / 14	0 / 32	5 / 41	
cooling capacity	[W]	768	941	1120	1308	1718	1942	
COP	[W/W]	1,27	1,39	1,48	1,56	1,69	1,75	
cooling capacity	[Btu/h]	2623	3214	3824	4465	5866	6631	
power consumption	[W]	604	677	755	837	1014	1108	
current consumption	[A]	3,1	3,4	3,7	4,1	4,9	5,3	