Technical Data Condensing Unit

SECOP

Model

Designation **CU NLE10CN R290 230/1/50 CAP**

Sales code: 314H5001
Engineering code: CUNLE10CN00CE

Application Data

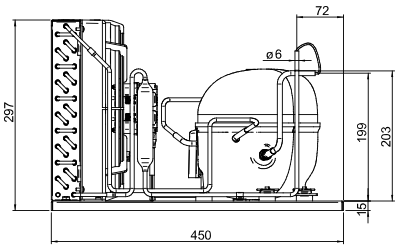
Power supply	220-240V / 50Hz 1~
Refrigerants	R290
Refr. charge - tech. limit	150g / 5,3oz
Starter	HST / capillary tube or expansion valve
Sound pressure (10m)	32,4dB(A)

Generic data

Voltage range	198 - 254V / 50Hz
Refrigerant	R290
Application	LBP+MBP
Rated performance	pe=-10°C, Tsuc=20°C, Tamb=25°C, subccoling: 2K
Cooling capacity	843W / 2880Btu/h
Power consumption	397W
Current consumption	2,4A
COP/EER	2,12 / 7,25Btu/Wh
Approvals	Eco design (EU) 2015/1095, CE, UK CA, VDE

Compressor

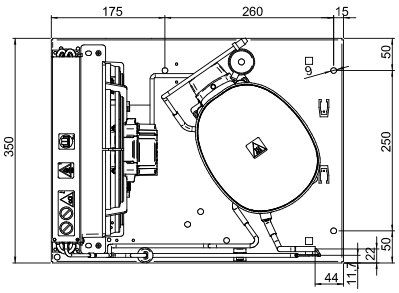
Designation	**NLE10CN**
Motor configuration	CSIR
Locked rotor amperage	12,25A
Rated load amperage	2,58A
Winding resistance main	7,79Ω
Winding resistance aux	18,39Ω
Oil quantity	270cm³ / 9,1fl.oz
Oil type	POE
Horsepower rating	1/2 HP



Dimensions

Condensing unit

Height x Width x Depth	297 x 350 x 450 [mm] / 11,7 x 13,8 x 17,7 [in]
Weight	18,7kg / 41,1lbs
Suction adapter	OD ø8mm / 1/3in
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	21,7kg / 47,8lbs

Model

Designation **CU NLE10CN R290 230/1/50 CAP**

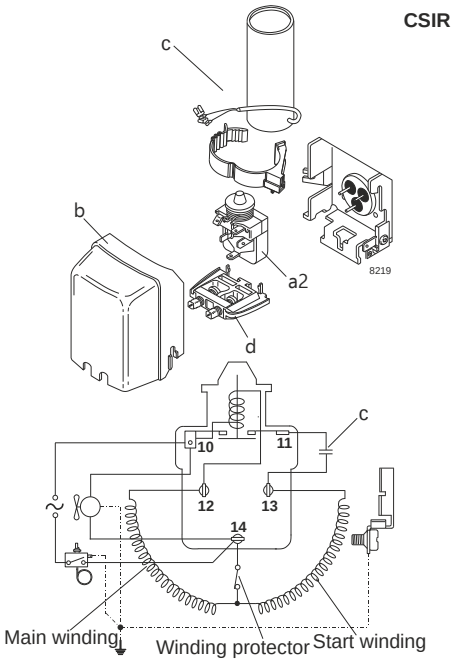
Sales code: 314H5001
Engineering code: CUNLE10CN00CE

Components Condensing-Unit / Spare Parts

Component	Type	Spare part code number
Compressor code	NLE10CN	105H6175
Condenser	Condenser (3 rows x 11 tubes)	SP 314S0010
Fan motor	14W	MP 314S0016
Blade code	ø254mm 28°	SP 314S0027
Air flow	551,4m³/h	
Receiver code	not installed	-/-
Suction valve code	OD ø8mm / 1/3in	-/-
Liquid valve code	OD ø6mm / 1/4in	-/-

Compressor starting equipment	Spare part code number
pos. a2 - relay	117U7002
pos. c - start capacitor (80µF)	117U5015
pos. b - plastic cover	103N2010
pos. d - cord relief	103N1010

Wiring Sketch Compressor



Model

Designation	**CU NLE10CN R290 230/1/50 CAP**	Sales code:	314H5001
		Engineering code:	CUNLE10CN00CE

Cooling performance - Conf. 1

Power supply	220-240V / 50Hz 1~	Voltage range	198 - 254V / 50Hz
Refr. charge - tech. limit	150g / 5,3oz		
Starter	HST / capillary tube or expansion valve		
Motor configuration	CSIR		
Refrigerant	R290		
Application	LBP+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]	-35 / -31	-30 / -22	-25 / -13	-20 / -4	-10 / 14	0 / 32	10 / 50
cooling capacity	[W]	292	372	469	580	843	1147	1477
COP	[W/W]	1,15	1,32	1,51	1,71	2,12	2,49	2,77
cooling capacity	[Btu/h]	998	1271	1601	1982	2880	3917	5044
power consumption	[W]	254	282	310	339	397	461	533
current consumption	[A]	2	2	2,1	2,2	2,4	2,6	2,9

ambient temperature	**[°C / °F]**	**32 / 90**				(suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)		
evaporating temperature	[°C / °F]	-35 / -31	-30 / -22	-25 / -13	-20 / -4	-10 / 14	0 / 32	10 / 50
cooling capacity	[W]	292	363	448	546	777	1045	1337
COP	[W/W]	1,18	1,3	1,43	1,57	1,85	2,08	2,25
cooling capacity	[Btu/h]	999	1240	1530	1865	2653	3569	4567
power consumption	[W]	247	279	313	347	421	502	593
current consumption	[A]	1,9	2	2,1	2,2	2,5	2,8	3,2

ambient temperature	**[°C / °F]**	**38 / 100**				(suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)		
evaporating temperature	[°C / °F]	-35 / -31	-30 / -22	-25 / -13	-20 / -4	-10 / 14	0 / 32	10 / 50
cooling capacity	[W]	269	334	411	500	710	953	1221
COP	[W/W]	1,07	1,17	1,27	1,39	1,6	1,77	1,91
cooling capacity	[Btu/h]	917	1140	1404	1709	2424	3255	4170
power consumption	[W]	252	286	323	361	444	537	639
current consumption	[A]	2	2,1	2,2	2,3	2,6	2,9	3,4

ambient temperature	**[°C / °F]**	**43 / 109**				(suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)		
evaporating temperature	[°C / °F]	-35 / -31	-30 / -22	-25 / -13	-20 / -4	-10 / 14	0 / 32	10 / 50
cooling capacity	[W]	241	303	375	459	654	881	1130
COP	[W/W]	0,93	1,03	1,13	1,23	1,42	1,57	1,69
cooling capacity	[Btu/h]	823	1034	1282	1567	2233	3010	3861
power consumption	[W]	258	293	331	372	461	560	670
current consumption	[A]	2	2,1	2,2	2,3	2,6	3	3,5