Technical Data Condensing Unit

SECOP

Model

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

Sales code: 314H5005
Engineering code: CUNLE10CN00VE

Application Data

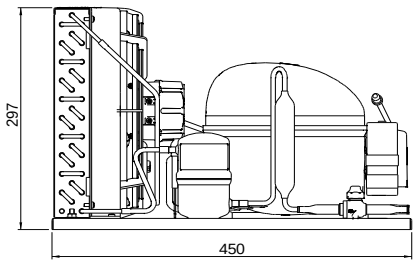
Power supply	220-240V / 50Hz 1~
Refrigerants	R290
Refr. charge - tech. limit	150g / 5,3oz
Starter	HST / capillary tube or expansion valve
Sound pressure (10m)	

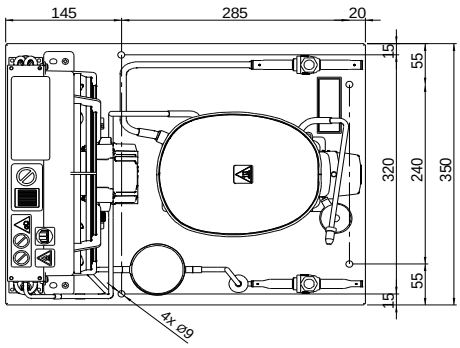
Generic data

Voltage range	198 - 254V / 50Hz
Refrigerant	R290
Application	LBP+MBP
Rated performance	pe=-10°C, Tsuc=20°C, Tamb=25°C, subccoling: 0K
Cooling capacity	840W / 2868Btu/h
Power consumption	407,3W
Current consumption	2,5A
COP/EER	2,06 / 7,04Btu/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	18kg / 39,7lbs
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	21kg / 46,3lbs

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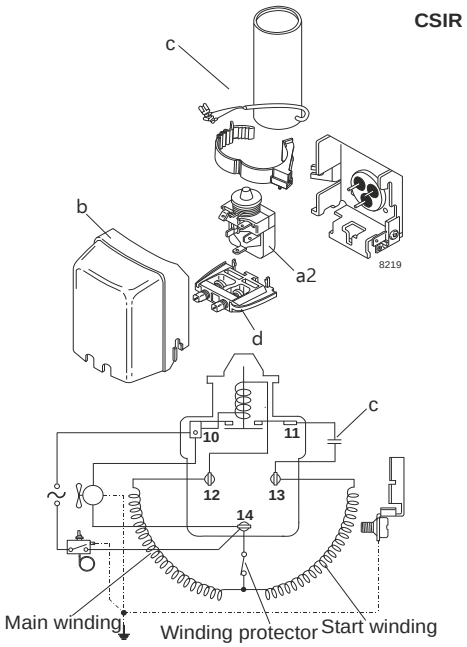
Components Condensing-Unit / Spare Parts

Component	Type	Spare part code number
Compressor code	NLE10CN	105H6175
Condenser	Condenser (3 rows x 11 tubes)	314S0010
Fan motor	30W	314S0016
Blade code	ø254mm 28°	314S0027
Air flow	674,9m³/h	
Receiver code	Receiver 0,32 liter	314S0049
Suction valve code	OD ø10mm / 2/5in	-/-
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



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		Engineering code:	CUNLE10CN00VE

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: 0K)
evaporating temperature	[°C / °F]	-35 / -31	-30 / -22	-25 / -13	-20 / -4	-10 / 14	0 / 32	10 / 50
cooling capacity	[W]	279	361	460	574	840	1143	1468
COP	[W/W]	1,02	1,2	1,41	1,63	2,06	2,45	2,73
cooling capacity	[Btu/h]	954	1234	1571	1960	2868	3904	5015
power consumption	[W]	274	301	327	353	407	467	537
current consumption	[A]	2,1	2,1	2,2	2,3	2,5	2,7	3

ambient temperature	**[°C / °F]**	**32 / 90**					(suction gas temperature [°C / °F]: 20 / 68,	subcooling: 0K)
evaporating temperature	[°C / °F]	-35 / -31	-30 / -22	-25 / -13	-20 / -4	-10 / 14	0 / 32	10 / 50
cooling capacity	[W]	291	363	448	547	778	1044	1331
COP	[W/W]	1,11	1,24	1,38	1,53	1,81	2,06	2,23
cooling capacity	[Btu/h]	994	1239	1531	1869	2658	3565	4546
power consumption	[W]	262	293	325	358	429	508	596
current consumption	[A]	2	2,1	2,2	2,3	2,5	2,8	3,2

ambient temperature	**[°C / °F]**	**38 / 100**					(suction gas temperature [°C / °F]: 20 / 68,	subcooling: 0K)
evaporating temperature	[°C / °F]	-35 / -31	-30 / -22	-25 / -13	-20 / -4	-10 / 14	0 / 32	10 / 50
cooling capacity	[W]	273	338	416	505	713	953	1213
COP	[W/W]	1,03	1,13	1,25	1,36	1,58	1,76	1,89
cooling capacity	[Btu/h]	932	1155	1419	1723	2435	3255	4144
power consumption	[W]	264	298	333	371	452	543	643
current consumption	[A]	2	2,1	2,2	2,3	2,6	3	3,4

ambient temperature	**[°C / °F]**	**43 / 109**					(suction gas temperature [°C / °F]: 20 / 68,	subcooling: 0K)
evaporating temperature	[°C / °F]	-35 / -31	-30 / -22	-25 / -13	-20 / -4	-10 / 14	0 / 32	10 / 50
cooling capacity	[W]	247	309	381	464	657	880	1121
COP	[W/W]	0,91	1,01	1,11	1,21	1,4	1,55	1,66
cooling capacity	[Btu/h]	845	1054	1301	1584	2243	3005	3830
power consumption	[W]	270	305	342	383	470	568	677
current consumption	[A]	2	2,1	2,2	2,4	2,7	3,1	3,5