

## Model

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



Sales code: 314H5001  
Engineering code: CUNLE10CN00CE

## Application Data

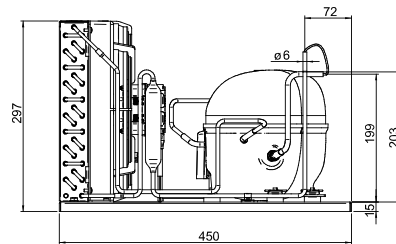
Power supply 220-240V / 50Hz 1~  
Refrigerants R290  
Refr. charge - tech. limit 150g / 5,3oz  
Starter HST / capillary tube or expansion valve  
Sound pressure (10m) 32,4dB(A)

## Generic data

Voltage range 198 - 254V / 50Hz  
Refrigerant R290  
Application LBP+MBP  
  
Rated performance pe=-10°C, Tsuc=20°C, Tamb=25°C, subcooling: 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

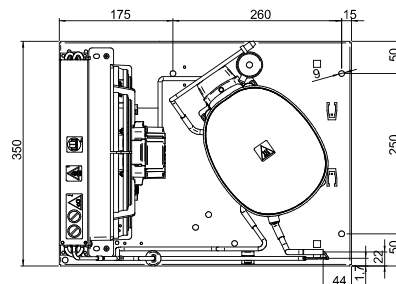
Designation **NLE10CN**  
Motor configuration CSIR  
Locked rotor amperage 12,25A  
Rated load amperage 2,58A  
Winding resistance main 7,79Ω  
Winding resistance aux 18,39Ω  
Oil quantity 270cm<sup>3</sup> / 9,1fl.oz  
Oil type POE  
Horsepower rating 1/2 HP



## 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

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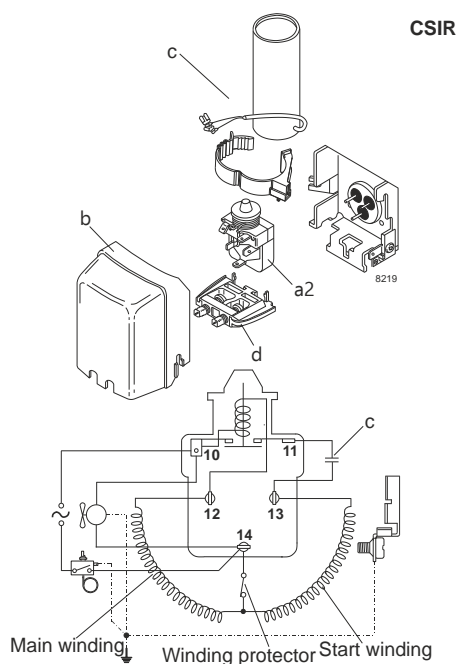
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## Components Condensing-Unit / Spare Parts

Component	Type	Spare part code number
Compressor code	NLE10CN	105H6175
Condenser	Condenser (3 rows x 11 tubes)	1130270F10
Fan motor	14W	62010150
Blade code	ø254mm 28°	A254-28
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



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## 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	