

# NECS-C /B 0512



Versione Software: NewELCA - Ver. 2.25.1.0  
 Versione report : 2.1.0.0  
 Versione DB : 2.73.0.0  
 Utente : Eustace Ashton



## PERFORMANCES

COOLING MODE (GROSS VALUE)		
Cooling capacity	[kW]	<b>123.9</b>
Total power input	[kW]	51.5
EER	-	2.35
ESEER	-	3.74

COOLING MODE (EN14511 VALUE)		
Cooling capacity	[kW]	<b>120.3</b>
Total power input	[kW]	49.7
EER	-	2.42
ESEER	-	3.61

CONDITIONS REFERRED TO			
	TA	Evap. Tin	Evap. Tout
	[°C]	[°C]	[°C]
COOLING	35	12.0	7.0

COOLING PART LOAD					
% to Peak Load	[%]	100	75	50	25
Air Temp. °C	[°C]	35.0	30.0	25.0	20.0
Cooling capacity	[kW]	120.9	90.7	60.4	30.2
Total power input	[kW]	51.5	30.8	17.9	9.21
EER	-	<b>2.35</b>	<b>2.94</b>	<b>3.37</b>	<b>3.28</b>

COOLING PART LOAD (EN14511)					
% to Peak Load	[%]	100	75	50	25
Air Temp. °C	[°C]	35.0	30.0	25.0	20.0
Cooling capacity	[kW]	120.3	90.2	60.2	30.1
Total power input	[kW]	49.7	29.1	16.6	8.45
EER	-	<b>2.42</b>	<b>3.10</b>	<b>3.64</b>	<b>3.56</b>

HEAT EXCHANGER USER SIDE			
Type	Nr.	Connection-Type	Connect. diameter
PLATE	1	VICTAULIC	2" 1/2

COOLING MODE (GROSS VALUE)		
Evap. Tin	[°C]	12.0
Evap. Tout	[°C]	7.0
Fluid		WATER
Glycol	[%]	0
Fouling factor	[m² °C/W]	0.000000
Flow rate	[m³/h]	20.8
Pressure drop	[kPa]	46.8



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## COMPRESSORS

Type	SCROLL
Nr.	2
Nr. of capacity steps	2
Min._cap._step	50
Nr. of refrigerant circuits	1
Type of regulation	STEPS
Refrigerant	R410A

## COIL SECTION

Fan Type	CENTRIFUGAL
Number of Fans	2
Flow rate	[m³/s] 9.44
ESP	[Pa] 120
Consumption	[kW] 3.8

## NOISE LEVELS

### SOUND POWER LEVEL

63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	TOT
[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
85	86	89	92	90	90	88	83	<b>96</b>

### SOUND PRESSURE CALCULATION IN FREE FIELD CONDITIONS

63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	TOT
[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB(A)]
0	0	0	0	0	0	0	0	<b>0</b>

Distance 10

### ELECTRICAL DATA - (Does not include options)

Power supply	[V/ ph /Hz]	400/3/50
Starting current SA	[A]	334,6
Max. running current FLA	[A]	108,4
Max. power input FLI	[kW]	62,8



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## DIMENSIONS AND WEIGHTS

A - Length	[mm]	2952
B - Width	[mm]	1104
H - Height	[mm]	1927
Weight	[kg]	1310

## FREE SPACE

Electrical panel side	[mm]	1000
Opposite side of el. panel	[mm]	1000
Condensing coil side	[mm]	2000
Opposite side of cond. coil	[mm]	1000

