

## NECS /CA 1614



Versione Software: NewELCA - Ver. 2.22.0.0  
 Versione report : 2.1.0.0  
 Versione DB : 2.49.0.0  
 Utente : Wygachiewicz Sławomir



## PERFORMANCES

## COOLING MODE (GROSS VALUE)

Cooling capacity	[kW]	401,5
Total power input	[kW]	138,2
EER	-	2,91
ESEER	-	4,39

## CONDITIONS REFERRED TO

	TA	Evap. Tin	Evap. Tout
	[°C]	[°C]	[°C]
COOLING	35	10,0	5,0

## 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]	401,5	301,1	200,8	100,4
Total power input	[kW]	138,2	83,2	47,1	22,1
EER	-	2,91	3,62	4,26	4,54

## HEAT EXCHANGER USER SIDE

Type	Nr.	Connection-Type	Connect. diameter
SHELL&TUBE	1	VICTAULIC	4"

COOLING MODE  
(GROSS VALUE)

Evap. Tin	[°C]	10,0
Evap. Tout	[°C]	5,0
Fluid		ETHYLENE GLYCOL
Glycol	[%]	35
Fouling factor	[m² °C/W]	0,000018
Flow rate	[m³/h]	78,4
Pressure drop	[kPa]	77,3

## COMPRESSORS

Type	SCROLL
Nr.	4
Nr. of capacity steps	4
Min. cap. step	25
Nr. of refrigerant circuits	2
Type of regulation	STEPS
Refrigerant	R410A



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## COIL SECTION

Fan Type		AXIAL
Number of Fans		8
Flow rate	[m³/s]	45,45
ESP	[Pa]	0
Consumption	[kW]	2

## 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]
100	99	96	94	93	88	82	76	97

## 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)]
68	67	64	62	61	56	50	44	65

Distance 10

## ELECTRICAL DATA

Power supply	[V/ ph /Hz]	400/3/50
Starting current SA	[A]	645
Max. running current FLA	[A]	325
Max. power input FLI	[kW]	202

## DIMENSIONS AND WEIGHTS

A - Length	[mm]	5080
B - Width	[mm]	2260
H - Height	[mm]	2450
Weight	[kg]	3130

## FREE SPACE

Electrical panel side	[mm]	1500
Opposite side of el. panel	[mm]	1500
Condensing coil side	[mm]	1500
Opposite side of cond. coil	[mm]	2300

## UWAGA:

Agregat wody lodowej dostarczony wraz z modułem hydraulicznym zawierającym:

- pompę obiegową FCE 80-200/110,
- zbiornik buforowy 1000l,
- zawór bezpieczeństwa,
- naczynie wzbiorcze.

