

NECS /SL 3018



Versione Software: NewELCA - Ver. 2.26.0.0
 Versione report : 2.3.0.0
 Versione DB : 2.88.0.0
 Utente : Tirebuck Steve



PERFORMANCES

COOLING MODE (GROSS VALUE)

Cooling capacity	[kW]	737.7
Total power input	[kW]	285.2
EER	-	2.59
ESEER	-	4.39

CONDITIONS REFERRED TO

	TA	Evap. Tin	Evap. Tout
	[°C]	[°C]	[°C]
COOLING	35	12.0	6.0

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]	737.7	553.3	368.8	184.4
Total power input	[kW]	285.2	151.0	82.5	36.2
EER	-	2.59	3.67	4.47	5.10

HEAT EXCHANGER USER SIDE

Type	Nr.	Connection-Type	Connect_diameter
SHELL&TUBE	1	VICTAULIC	6"
COOLING MODE (GROSS VALUE)			
Evap. Tin	[°C]	12.0	
Evap. Tout	[°C]	6.0	
Fluid		WATER	
Glycol	[%]	0	
Fouling factor	[m² °C/W]	0.000000	
Flow rate	[m³/h]	105.8	
Pressure drop	[kPa]	28.0	

COMPRESSORS

Type	SCROLL
Nr.	8
Nr. of capacity steps	8
Min_cap_step	12.5
Nr. of refrigerant circuits	4
Type of regulation	STEPS
Refrigerant	R410A



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COIL SECTION

Fan Type		AXIAL
Number of Fans		16
Flow rate	[m³/s]	62.35
ESP	[Pa]	0
Consumption	[kW]	1

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]
92	91	90	88	85	80	73	67	90

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)]
59	58	57	55	52	47	40	34	57

Distance 10

ELECTRICAL DATA

Power supply	[V/ ph /Hz]	400/3/50
Starting current SA	[A]	915
Max. running current FLA	[A]	595
Max. power input FLI	[kW]	370

DIMENSIONS AND WEIGHTS

A - Length	[mm]	9780
B - Width	[mm]	2260
H - Height	[mm]	2450
Weight	[kg]	6200

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

