

TECS2 /SL-CA 0512

Versione Software: NewELCA - Ver. 1.2.0.30
 Versione report : 1.0.0.23
 Versione DB : 1.0.0.78
 Utente : Wgachiewicz Sławomir



PERFORMANCES

COOLING MODE		
Cooling capacity	[kW]	477,1
Total power input	[kW]	159,5
EER		2,99
ESEER		5,17

CONDITIONS REFERRED TO			
	TA	Evap. Tin	Evap. Tout
	[°C]	[°C]	[°C]
COOLING	35	12,0	6,0

EVAPORATOR			
Type	Nr.	Connection-Type	Connect_diameter
FLOODED	1	VICTAULIC	5"
Evap. Tin	[°C]		12,0
Evap. Tout	[°C]		6,0
Fluid			ETHYLENE GLYCOL
Glycol	[%]		35
Fouling factor	[m ² °C/W]		0,000018
Flow rate	[m ³ /h]		77,6
Pressure drop	[kPa]		26,5

COMPRESSORS	
Type	CENTRIFUGAL
Nr.	2
Nr. of capacity steps	0
Min_cap_step	
Nr. of refrigerant circuits	1
Type of regulation	STEPLESS
Refrigerant	R134a

COIL SECTION	
Fan Type	AXIAL
Number of Fans	10
Flow rate	[m ³ /s] 38,06
ESP	[Pa] 0
Consumption	[kW] 1,2

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]
88	89	89	86	86	82	77	71	90



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Distance 10

SOUND PRESSURE CALCULATION IN FREE FIELD CONDITIONS

63 Hz [dB]	125 Hz [dB]	250 Hz [dB]	500 Hz [dB]	1 kHz [dB]	2 kHz [dB]	4 kHz [dB]	8 kHz [dB]	TOT [dB(A)]
56	57	57	54	54	50	45	39	58

ELECTRICAL DATA

Power supply	[V/ ph /Hz]	400/3/50
SA	[A]	
FLA	[A]	309
Power input	[kW]	189

DIMENSIONS AND WEIGHTS

Length	[mm]	4900
Height	[mm]	2430
Width	[mm]	2260
Weight	[kg]	4240

