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GACO SARL

28, Rue Bencharif Madani

25000 BELLEVUE/CONSTANTINE - ALGERIE

Tel : 031 92 54 56 / 031 93 22 23 - Fax : 031 92 13 45

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Project Report

Refrigerant R404A Dew Point

High Side Properties:

Condensing Temperature °C	55.00
Condensing Abs. Pressure bar a	25.73
Dew Point °C	55.00
Bubble Point °C	54.74
Saturated vapour enthalpy kJ/kg	381.15
Specific volume of saturated vapour cu.dm/kg	6.19
Liquid Temperature °C	54.74
Liquid enthalpy kJ/kg	286.27

Low Side Properties:

Evaporating Temperature °C	-25.00
Evaporating Abs. Pressure bar a	2.50
Dew Point °C	-25.00
Bubble Point °C	-25.67
With vapour at °C	-15.00
Specific volume cu.dm/kg	81.63
Enthalpy kJ/kg	360.46

Operating Conditions:

Evaporating Temperature °C	-25.00
Suction Superheat K	10.00
Ambient °C	43.00

Condensing Unit Selected P8-LF-30X

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**PERFORMANCE AT SPECIFIED OPERATING POINT
P8-LF-30X Data at 50Hz**

Cooling Capacity kW	2.45
Total Power Input kW	2.39
COP	1.03
Current at 400V, A	4.89
Mass Flow g/s	27.70
Heat Rejection kW	3.72
Condensing Temperature °C	47.20
Subcooling K	0.00

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	P8/121
Base mounting (hole dia), mm	915 x 380 (14)
Number of Fans	2
Air Flow, cu.m/sec	1.06
Total Fan Power Input, Watts	220
Gross Weight, kg	154
Height, mm	633
Depth/Width, mm	640/950
Suction Diameter, inch	1 1/8
Liquid Line, inch	1/2
Suction Type	Fixed Valve
High Side PS, bar(g)	31
Receiver Capacity, l	7.9
Sound Pressure @ 10m, dBA	48
Low Side PS, bar(g)	22.5
Net Weight, kg	127

CONDENSING UNIT ELECTRICAL DATA (380/420V - 3~ - 50Hz)

Condenser Fan Current for 1 fan (single phase)	0.45 / 0.65
Compressor Maximum Operating Current, A	6.8
Compressor Locked Rotor Current, A	50.6

ACCESSORIES INCLUDED

Electrical box	140W x 205H x 130D
HP/LP Switch	ALCO PS2-W7A

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ACCESSORIES OPTIONAL

Crankcase Heater

Housing

Fan speed control

Liquid Receiver

Liquid Receiver

70W Internal

PCR

ALCO FSX42S

11.5l instead of 7.5l

14l instead of 7.5l

