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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	-10.00
Evaporating Abs. Pressure bar a	4.34
Dew Point °C	-10.00
Bubble Point °C	-10.59
With vapour at °C	0.00
Specific volume cu.dm/kg	47.99
Enthalpy kJ/kg	369.46

Operating Conditions:

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

Condensing Unit Selected D8-KSJ-15X

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**PERFORMANCE AT SPECIFIED OPERATING POINT
D8-KSJ-15X Data at 50Hz**

Cooling Capacity kW	2.42
Total Power Input kW	1.86
COP	1.30
Current at 400V, A	3.17
Mass Flow g/s	27.50
Heat Rejection kW	3.42
Condensing Temperature °C	52.50
Subcooling K	0.00

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	D8/121
Base mounting (hole dia), mm	530 x 330 (11)
Number of Fans	1
Air Flow, cu.m/sec	0.51
Total Fan Power Input, Watts	110
Gross Weight, kg	72
Height, mm	446
Depth/Width, mm	570/560
Suction Diameter, inch	7/8
Liquid Line, inch	1/2
Suction Type	Fixed Valve
High Side PS, bar(g)	31
Receiver Capacity, l	3.9
Sound Pressure @ 10m, dBA	46
Low Side PS, bar(g)	22.5
Net Weight, kg	62

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	3.4
Compressor Locked Rotor Current, A	19.1

ACCESSORIES INCLUDED

HP/LP Switch	ALCO PS2-W7A
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ACCESSORIES OPTIONAL

Crankcase Heater
Housing
Fan speed control

27W Internal
BD
ALCO FSM42S

