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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

S9-3DA-75X

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**PERFORMANCE AT SPECIFIED OPERATING POINT****S9-3DA-75X Data at 50Hz**

Cooling Capacity kW	11.70
Total Power Input kW	8.41
COP	1.39
Current at 400V, A	14.38
Mass Flow g/s	146.50
Heat Rejection kW	19.25
Condensing Temperature °C	56.70
Subcooling K	0.00

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	S9/271
Base mounting (hole dia), mm	1295 x 475 (14)
Number of Fans	2
Air Flow, cu.m/sec	1.94
Total Fan Power Input, Watts	470
Gross Weight, kg	339
Height, mm	835
Depth/Width, mm	820/1330
Suction Diameter, inch	1 3/8
Liquid Line, inch	7/8
Suction Type	Fixed Valve
High Side PS, bar(g)	31
Receiver Capacity, l	18.9
Low Side PS, bar(g)	22.5
Net Weight, kg	259

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

Condenser Fan Current for 1 fan (single phase)	1.15 / 1.4
Compressor Maximum Operating Current, A	17.5
Compressor Locked Rotor Current, A	106

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
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

70W Internal
RSQR
ALCO FSX42S
23l instead of 18l

