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GACO SARL

28, Rue Bencharif Madani

25000 BELLEVUE/CONSTANTINE - ALGERIE

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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

Z9-4DA-200X

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**PERFORMANCE AT SPECIFIED OPERATING POINT****Z9-4DA-200X Data at 50Hz**

Cooling Capacity kW	12.10
Total Power Input kW	10.75
COP	1.12
Current at 400V, A	19.08
Mass Flow g/s	136.50
Heat Rejection kW	20.80
Condensing Temperature °C	47.30
Subcooling K	0.00

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	Z9/611
Base mounting (hole dia), mm	1435 x 535 (18)
Number of Fans	4
Air Flow, cu.m/sec	5.41
Total Fan Power Input, Watts	1600
Gross Weight, kg	567
Height, mm	1263
Depth/Width, mm	1108/1600
Suction Diameter, inch	1 5/8
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	402

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

Condenser Fan Current for 1 fan (single phase)	1.85 / 2.25
Compressor Maximum Operating Current, A	32.5
Compressor Locked Rotor Current, A	175

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

HP/LP Switch

Fan speed control

Liquid Receiver

100W Internal

ALCO PS2-W7A

ALCO FSP150

23l instead of 18l

