



# Select8

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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      | -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

Z9-4DA-200X

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

|                           |        |
|---------------------------|--------|
| Cooling Capacity kW       | 24.40  |
| Total Power Input kW      | 14.80  |
| COP                       | 1.65   |
| Current at 400V, A        | 24.12  |
| Mass Flow g/s             | 267.00 |
| Heat Rejection kW         | 37.00  |
| Condensing Temperature °C | 50.70  |
| 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

