



# Select 8

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**GACO SARL**

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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

D8-LE-20X

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**PERFORMANCE AT SPECIFIED OPERATING POINT****D8-LE-20X Data at 50Hz**

|                           |       |
|---------------------------|-------|
| Cooling Capacity kW       | 1.37  |
| Total Power Input kW      | 1.46  |
| COP                       | 0.94  |
| Current at 400V, A        | 3.35  |
| Mass Flow g/s             | 16.00 |
| Heat Rejection kW         | 2.12  |
| Condensing Temperature °C | 48.90 |
| Subcooling K              | 0.00  |

**CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

|                              |                |
|------------------------------|----------------|
| Condenser/Fan Type           | D8/121         |
| Base mounting (hole dia), mm | 530 x 475 (11) |
| Number of Fans               | 1              |
| Air Flow, cu.m/sec           | 0.51           |
| Total Fan Power Input, Watts | 110            |
| Gross Weight, kg             | 112            |
| Height, mm                   | 446            |
| Depth/Width, mm              | 715/560        |
| 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            |
| Low Side PS, bar(g)          | 22.5           |
| Net Weight, kg               | 96.5           |

**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        | 5.7         |
| Compressor Locked Rotor Current, A             | 37.6        |

**ACCESSORIES INCLUDED**

|              |              |
|--------------|--------------|
| HP/LP Switch | ALCO PS2-W7A |
|--------------|--------------|

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***ACCESSORIES OPTIONAL***

Crankcase Heater

Housing

Fan speed control

Fan speed control

70W Internal

DL

ALCO FSM41S for R134a

ALCO FSM42S

