



# Select 8

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brand products



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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

H8-LF-30X

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**PERFORMANCE AT SPECIFIED OPERATING POINT**  
**H8-LF-30X Data at 50Hz**

|                           |       |
|---------------------------|-------|
| Cooling Capacity kW       | 4.62  |
| Total Power Input kW      | 3.40  |
| COP                       | 1.36  |
| Current at 400V, A        | 6.02  |
| Mass Flow g/s             | 54.90 |
| Heat Rejection kW         | 6.66  |
| Condensing Temperature °C | 54.50 |
| Subcooling K              | 0.00  |

**CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

|                              |                |
|------------------------------|----------------|
| Condenser/Fan Type           | H8/271         |
| Base mounting (hole dia), mm | 700 x 370 (14) |
| Number of Fans               | 1              |
| Air Flow, cu.m/sec           | 1              |
| Total Fan Power Input, Watts | 235            |
| Gross Weight, kg             | 123            |
| Height, mm                   | 533            |
| Depth/Width, mm              | 680/735        |
| Suction Diameter, inch       | 7/8            |
| Liquid Line, inch            | 1/2            |
| Suction Type                 | Fixed Valve    |
| High Side PS, bar(g)         | 31             |
| Receiver Capacity, l         | 7.9            |
| Sound Pressure @ 10m, dBA    | 49             |
| Low Side PS, bar(g)          | 22.5           |
| Net Weight, kg               | 108            |

**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        | 6.8        |
| Compressor Locked Rotor Current, A             | 50.6       |

**ACCESSORIES INCLUDED**

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

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***ACCESSORIES OPTIONAL***

Crankcase Heater

Housing

Fan speed control

Liquid Receiver

Liquid Receiver

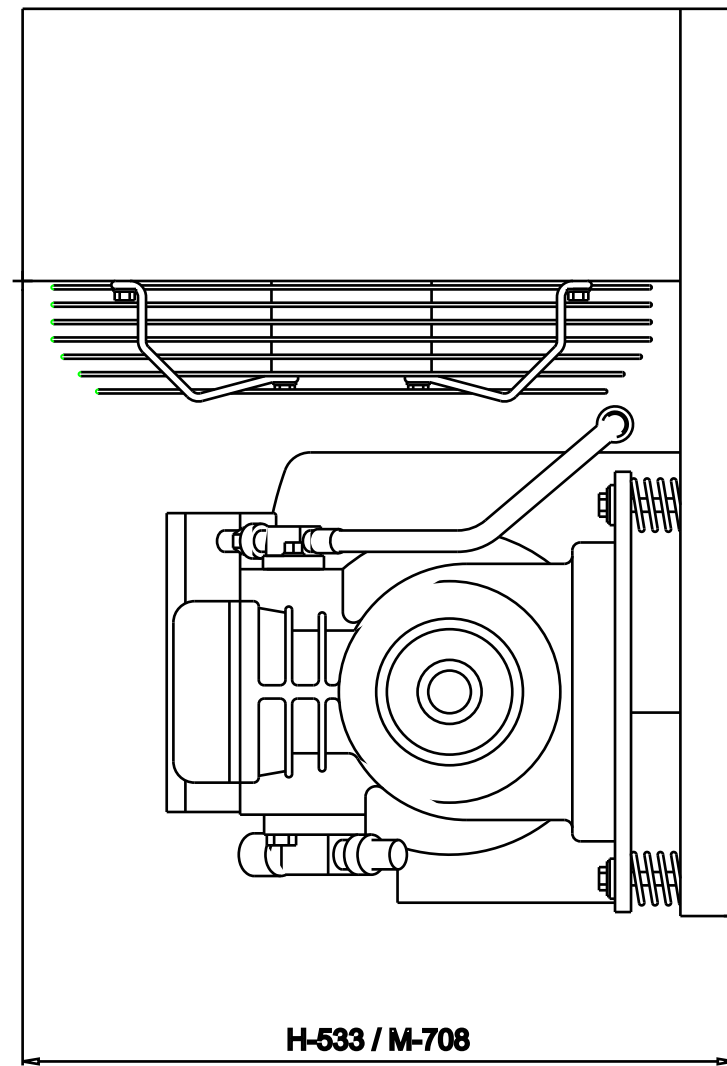
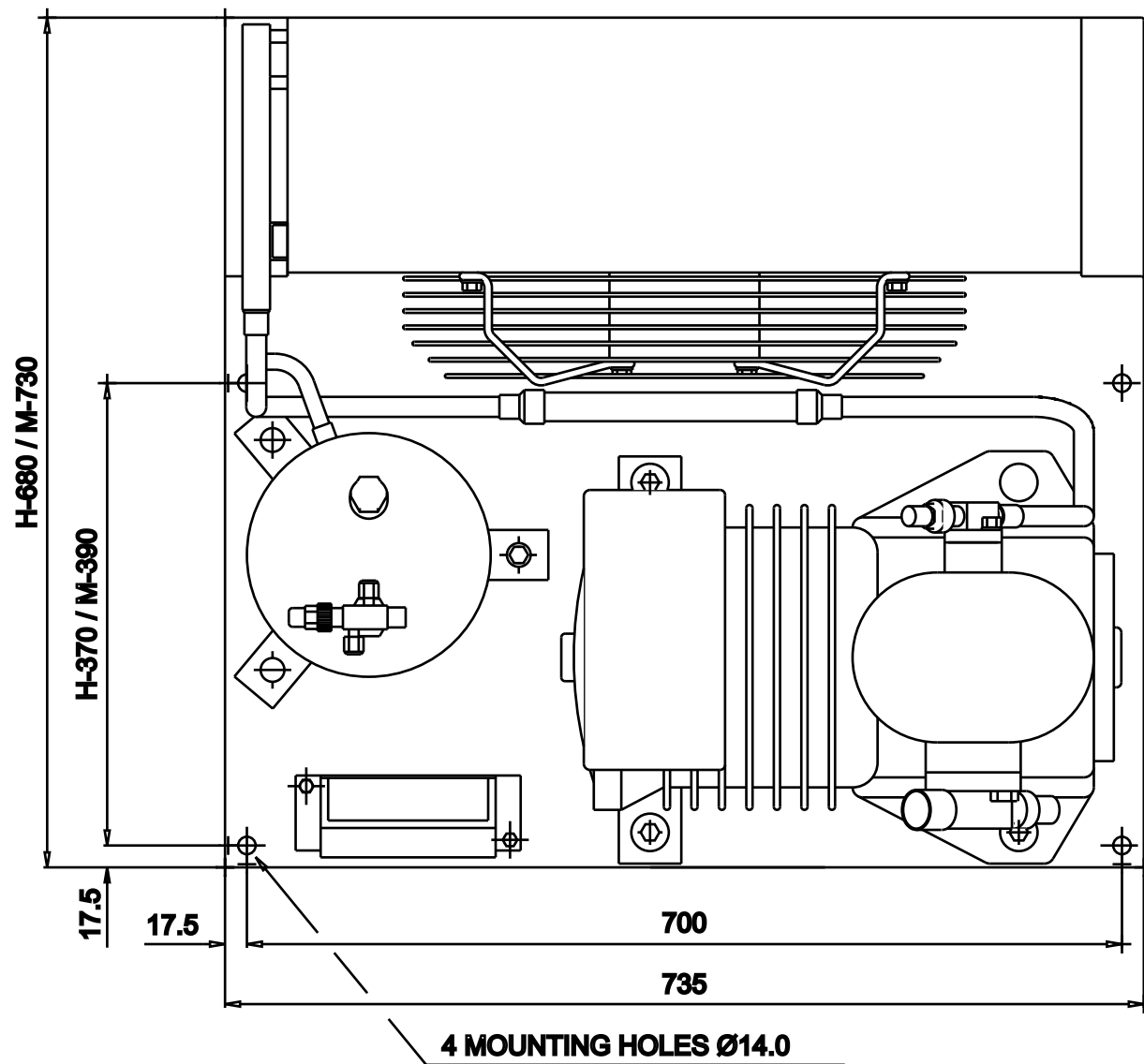
70W Internal

H

ALCO FSM42S

11.5l instead of 7.5l

14l instead of 7.5l



**H/M - DL**