Committed to technological Innovation

SEARLE MV AIR COOLED CONDENSER

YOUR BENEFITS

- V-Bank configuration are suitable for all air conditioning applications:
  The range can also be configured as dry air liquid coolers and gas coolers.
- The V configuration units come in a combination of 3 coil widths and 3 module lengths and 2 fans wide which can be manufactured up to 12m long.
- The MV range of condensers: are available with the latest fan set innovations such as AxiTop, ZA Plus and Flow grid all available through our selection program.
- Eurovent certify-all: Independent certification for thermal performance, power consumption, sound data and unit air volumes for standard products under scheme limits.
- CE Marked and PED compliant: SEP to CAT IV depending upon refrigerant, operating temperatures, header sizes and internal volumes.

CAPACITY RANGE

HFO/HFC 29 kW - 1889 kW

\[ t_{\text{in}}=25^\circ \text{C} \; t_{\text{out}}=40^\circ \text{C} \; (\text{DT}=15K) \quad [\text{SCI}] \]
**Heat Exchange**

- **Fin Type:** L, T, F
- **Standard Fin spacing:** (in mm)
  - (L) 2.1 | (T) 2.3 | (F) 2.1
- **Fin material:** Cu, Al, Av, AlMg, Bg
- **Tube Diameter:** (in mm)
  - (L) 9.5 | (T) 12 | (F) 5
- **Tube material:** Cu

**Controls Options**

<table>
<thead>
<tr>
<th>OPTION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unwired</td>
<td>Installer wires directly to fan terminal boxes.</td>
</tr>
<tr>
<td>Junction Box</td>
<td>Single or twin according to unit model.</td>
</tr>
<tr>
<td>Staged Control</td>
<td>Motor switchgear with or without controller.</td>
</tr>
<tr>
<td>Speed Control</td>
<td>EC, inverter or triac</td>
</tr>
</tbody>
</table>

**Variants & Accessories**

- Control Box & Isolators
- Sub cooling/Multi sections
- Alternative Fin Material
- Special Paint
- Adiabatic System
- Mounted Receivers
- Mounting frames & Customised Housing

**Operating Environment Guidance**

**Application Atmosphere**

<table>
<thead>
<tr>
<th>APPLICATION ATMOSPHERE</th>
<th>TUBE MATERIAL</th>
<th>FIN MATERIAL</th>
<th>TUBE PLATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Application</td>
<td>Cu, or St/St</td>
<td>Al, AV, AlMg, Cu, Bg</td>
<td>Al/Cu</td>
</tr>
<tr>
<td>Industrial Application</td>
<td>Cu or St/St</td>
<td>Al, AV, AlMg, Cu, Bg</td>
<td>Al/Cu</td>
</tr>
<tr>
<td>Within 20 miles of the Sea</td>
<td>Cu</td>
<td>Cu, Bg, AlMg</td>
<td>Al/Cu</td>
</tr>
<tr>
<td>Waste Disposal</td>
<td>Cu</td>
<td>Al, AV, AlMg, Cu, Bg</td>
<td>Al/Cu</td>
</tr>
</tbody>
</table>

**Note**

Selection and Pricing can be performed on the Searle Selection software which can be downloaded from our website www.kelvion.com

Kelvion Ltd
20 Davis way, Newgate lane, Fareham, PO14 1AR, UK
Phone +44 (0) 1329 823344,
Fax +44 (0) 1329 821242
www.kelvion.com