Transcritical CO2 booster rack for medium and low temperature applications

- Space saving design for indoor installation
- Designed for small stores / discounters
- Can be customized to suit customer requirements
- Single or dual temperature range
- Semi-hermetic compressors
- Integrated electrical control panel incorporating rack and gas cooler controls
- Variable speed drive for primary compressor
- Uses natural refrigerant CO2
- Variety of options available

**OptiCO2OL™ Indoor**

Transcritical CO2 booster rack for medium and low temperature applications

<table>
<thead>
<tr>
<th>No. of compressors</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 – 3</td>
<td>10 – 69 kW</td>
<td>3 – 6 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
<td>R744</td>
</tr>
</tbody>
</table>

Evaporating temp. MT: -8°C / LT: -35°C; ambient temperature: 32°C
MiniCO\textsubscript{2}OL\textsuperscript{®} Compact
Transcritical CO\textsubscript{2} booster rack for medium and low temperature applications

- Compact unit for indoor installation
- Designed for small to large store formats
- Single or dual temperature range
- Semi-hermetic compressors
- Integrated electrical control panel incorporating rack and gas cooler controls
- Variable speed drive for primary compressor
- Uses natural refrigerant CO\textsubscript{2}
- Optional parallel compression (ECO compressor)
- Optional outdoor housing with built-on gas cooler
- Variety of options available

<table>
<thead>
<tr>
<th>MINICO\textsubscript{2}OL COMPACT</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>2 – 6</td>
<td>0 – 4</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>20 – 380 kW</td>
<td>2 – 110 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
<td></td>
</tr>
</tbody>
</table>

Evaporating temp. MT: -8°C / LT: -35°C; ambient temperature = 32°C

CO\textsubscript{2}OLtec\textsuperscript{®} Evo
Transcritical CO\textsubscript{2} ejector rack and high-efficiency skid for medium and low temperature applications

- High-efficiency CO\textsubscript{2} solution for all climates
- Includes advanced modulating vapor ejector technology
- Designed for small to large store formats, for indoor installation
- Single or dual temperature range
- Semi-hermetic compressors
- Integrated electrical control panel incorporating controls for rack, high-efficiency skid and gas cooler
- Variable speed drive for primary compressor
- Uses natural refrigerant CO\textsubscript{2}
- Variety of options available to further improve efficiency in all climates

<table>
<thead>
<tr>
<th>CO\textsubscript{2}OLTEC EVO</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>2 – 6</td>
<td>0 – 4</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>40 – 480 kW</td>
<td>2 – 95 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
<td></td>
</tr>
</tbody>
</table>

Evaporating temp. MT: -4°C / LT: -35°C; ambient temperature = 36°C
MaxiCO₂OL®
Transcritical CO₂ booster rack for medium and low temperature applications

- Indoor installation
- Designed for supermarkets, hypermarkets and cold storage applications
- Single temperature range
- Semi-hermetic compressors
- Integrated electrical control panel incorporating rack and gas cooler controls
- Variable speed drive for primary compressor
- Uses natural refrigerant CO₂
- Variety of options available

<table>
<thead>
<tr>
<th>MAXICO₂OL</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>3 – 6</td>
<td>0 – 4</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>60 – 380 kW</td>
<td>8 – 170 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
<td>R744</td>
</tr>
</tbody>
</table>

Evaporating temp. MT: -8°C / LT: -35°C; ambient temperature = 32°C

CompactCO₂OL®
R134a / CO₂ cascade compressor rack for medium and low temperature applications

- Small footprint for indoor installation
- Designed for small stores and supermarkets
- Single and dual temperature range
- Frame with double level construction
- Semi-hermetic compressors
- Integrated electrical control panel with controller and condenser control
- Uses natural refrigerant CO₂ for low temperature
- CO₂ refrigerant receiver with liquid line
- Cascade heat exchanger
- Variety of options available

<table>
<thead>
<tr>
<th>COMPACTCO₂OL</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>2 – 4</td>
<td>1 – 3</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>22 – 205 kW</td>
<td>3 – 170 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R134a</td>
<td>R744</td>
</tr>
</tbody>
</table>

Evaporating temp. / condensing temp.: MT: -8°C/45°C; LT: -35°C/ -10°C
FlexiCO₂OL®

R134a / CO₂ cascade compressor rack for medium and low temperature applications

- Indoor installation
- Designed for supermarkets and hypermarkets
- Single or dual temperature range
- Semi-hermetic compressors
- Integrated electrical control panel with controller and condenser control
- Uses natural refrigerant CO₂ for low temperature
- CO₂ refrigerant receiver with liquid line
- Cascade heat exchanger
- Variety of options available

FlexiCO₂OL Specifications:

<table>
<thead>
<tr>
<th></th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>3 – 6</td>
<td>2 – 4</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>29 – 279 kW</td>
<td>9 – 171 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R134a</td>
<td>R744</td>
</tr>
</tbody>
</table>

Optivell™

Compressor rack for medium and low temperature applications

- Light construction with hook system for indoor wall mounting
- Designed for small stores / discounters
- Can be customized to suit customer requirements
- Single or dual temperature range
- Satellite system: optimal for combined medium and low temperature refrigeration
- Semi-hermetic compressor
- Mounted electrical control panel
- Intelligent passive oil distribution system without moving parts
- Compact design, no need for a machinery room
- Refrigerant receiver with liquid line
- Variety of options available

Optivell Specifications:

<table>
<thead>
<tr>
<th></th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>2 – 4</td>
<td>0 – 2</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>17 – 64 kW</td>
<td>5 – 11 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R134a, R404A, R507A</td>
<td>R134a, R404A, R507A</td>
</tr>
</tbody>
</table>

Evaporating temp./condensing temp.: MT: -8°C / 45°C; LT: -35°C / -10°C
Innovell®
Compressor rack for medium and low temperature applications

- Indoor installation
- Designed for discount stores and supermarkets
- Single or dual temperature range
- Satellite system: optimal for combined medium and low temperature refrigeration
- Hermetic scroll compressor
- Integrated electrical control panel incorporating rack and condenser control
- Intelligent passive oil distribution system without moving parts
- Refrigerant receiver with liquid line
- Optional indoor housing
- Variety of options available

<table>
<thead>
<tr>
<th>INNOVELL</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>2 – 4</td>
<td>1 – 4</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>10 – 72 kW</td>
<td>2 – 42 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R404A</td>
<td></td>
</tr>
</tbody>
</table>

R404A to = -10°C; tc = 45°C; tv1 = 20°C

Econvell™
Compressor rack for medium and low temperature applications

- Rack with small footprint for indoor installation
- Designed for discount stores and supermarkets
- Single and dual temperature range
- Frame with double level construction
- Semi-hermetic compressor
- Front side mounted electrical control panel incorporating rack and condenser control
- Intelligent passive oil distribution system without moving parts
- Refrigerant receiver with liquid line
- Variety of options available

<table>
<thead>
<tr>
<th>ECONVELL</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1 – 4</td>
<td>1 – 4</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>9 – 84 kW</td>
<td>2 – 53 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R134a, R404A, R507A</td>
<td></td>
</tr>
</tbody>
</table>

R404A to = -10°C; tc = 45°C; tv1 = 20°C
Maxivell®
Compressor rack for medium and low temperature applications

- Indoor installation
- Designed for supermarkets, hypermarkets and cold storage applications
- Single or dual temperature range
- Satellite system: optimal for combined medium and low temperature refrigeration
- Semi-hermetic compressor
- Integrated electrical control panel incorporating rack and condenser control
- Intelligent passive oil distribution system without moving parts
- Refrigerant receiver with liquid line
- Variety of options available

<table>
<thead>
<tr>
<th>MAXIVELL</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>3 – 6</td>
<td>2 – 6</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>27 – 479 kW</td>
<td>9 – 213 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R134a, R404A, R507A</td>
<td></td>
</tr>
</tbody>
</table>

GRS™
Compressor receiver set for medium and low temperature applications

- Ideal for indoor installation
- Designed for a single cooling application
- Hermetic scroll compressor
- Liquid injection system for low temperature models
- Refrigerant receiver
- Easy handling and installation
- Variety of options available

<table>
<thead>
<tr>
<th>GRS</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>2 – 70 kW</td>
<td>0 – 31 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R404A, R507</td>
<td></td>
</tr>
</tbody>
</table>

Performance data with R404A, 20K superheat.
**GSB™ / GSB™ SH**

Compressor receiver set for medium and low temperature applications

- Space saving design for indoor installation
- Designed for a small cooling capacity application
- Semi-hermetic compressor
- Compressor cylinder head cooling fans (depending on model)
- Refrigerant receiver positioned below compressor
- Easy handling and installation
- Variety of options available

**GF™ / GFB™**

Air-cooled condensing unit for medium and low temperature applications

- Space saving design for indoor installation
- Designed for a small cooling capacity application
- Semi-hermetic compressor
- Compressor cylinder head cooling fans (depending on model)
- Condenser mounted and connected
- Refrigerant receiver mounted and connected
- Easy handling and installation
- Variety of options available

### GSB / GSB SH

<table>
<thead>
<tr>
<th></th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>2 – 108 kW</td>
<td>0 – 43 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R404A, R507</td>
<td></td>
</tr>
</tbody>
</table>

**GF / GFB**

<table>
<thead>
<tr>
<th></th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>2 – 70 kW</td>
<td>0 – 31 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R404A, R507</td>
<td></td>
</tr>
</tbody>
</table>

*R404A to = -10°C; ti = 40°C; 20K superheat*

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**QuickCO₂OL™**

Packaged refrigeration unit for medium and low temperature applications

- Small size unit for outdoor application
- Designed for small store formats and store extensions
- Saves indoor space
- Single temperature range
- Hermetic compressor
- Integrated electrical control panel with controller
- Integrated gas cooler and medium pressure receiver
- Optional liquid cooled gas cooler
- Uses natural refrigerant CO₂
- Removable side panels for easy maintenance access
- Variety of options available

**MultiCO₂OL®**

Packaged refrigeration unit for medium, low and high temperature applications

- Small size unit for outdoor application
- Designed for small to medium store formats
- Saves indoor space
- Single or dual temperature range
- Semi-hermetic compressors
- Integrated electrical control panel with controller
- Integrated gas cooler and medium pressure receiver
- Liquid cooled gas cooler as option
- Uses natural refrigerant CO₂
- Removable side panels for easy maintenance access
- Variety of options available

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**QuickCO₂OL™**

<table>
<thead>
<tr>
<th>QuickCO₂OL</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1</td>
<td>0.5 – 7 kW</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>1 – 10 kW</td>
<td>R744</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
<td></td>
</tr>
</tbody>
</table>

Evaporating temp. MT: -8°C / LT: -35°C; ambient temperature = 32°C

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**MultiCO₂OL®**

<table>
<thead>
<tr>
<th>MultiCO₂OL</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>2 – 4</td>
<td>3 – 9 kW</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>5 – 19 kW</td>
<td>R744</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
<td></td>
</tr>
</tbody>
</table>

Evaporating temp. MT: -8°C / LT: -35°C; ambient temperature = 32°C
OptiCO₂OL™ Outdoor

Transcritical CO₂ booster rack for medium and low temperature applications

- Small size unit for outdoor application
- Can be customized to suit customer requirements
- Saves indoor space
- Single or dual temperature range
- Semi-hermetic compressors
- Integrated electrical control panel with controller
- Integrated gas cooler and medium pressure receiver
- Uses natural refrigerant CO₂
- Removable side panels for easy maintenance access
- Variety of options available

<table>
<thead>
<tr>
<th>OPTICO₂OL OUTDOOR</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>2 – 3</td>
<td></td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>10 – 69 kW</td>
<td>2 – 6 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
<td></td>
</tr>
</tbody>
</table>

Evaporating temp: MT -8°C / LT -35°C; ambient temperature = 32°C

GC₅™ CO₂

Transcritical CO₂ Booster rack for medium and low temperature applications

- Outdoor unit for large cooling capacities
- Can be customized to suit customer requirements
- Saves indoor space
- Single or dual temperature range
- Semi-hermetic compressors
- Integrated electrical control panel with controller
- Integrated gas cooler and medium pressure receiver
- Uses natural refrigerant CO₂
- Walk-in housing

<table>
<thead>
<tr>
<th>GC₅ CO₂</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>3 &lt;</td>
<td></td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>60 – 380 kW</td>
<td>8 – 170 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
<td></td>
</tr>
</tbody>
</table>

Evaporating temp: MT -8°C / LT -35°C; ambient temperature = 32°C
GC5™ Hybrid
Packaged refrigeration unit for medium and low temperature applications

- Outdoor unit for large cooling capacities
- Can be customized to suit customer requirements
- Saves indoor space
- Dual temperature range
- Semi-hermetic compressors
- Integrated electrical control panel with controller
- Integrated gas cooler and medium pressure receiver
- Uses natural refrigerant CO₂ for low temperature
- Walk-in housing

MINICOLD™ Compact
Packaged refrigeration unit for medium and low temperature applications

- Self-contained monoblock unit with integrated air cooler
- Designed for small cold rooms
- Quick and easy installation on cold room wall
- Hermetic compressor
- Integrated electrical control panel
- Power switch, indicator light, digital display and temperature alarm
- Removable high capacity condensate evaporating system
- Variety of options available

<table>
<thead>
<tr>
<th>GC5 HYBRID</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>3 – 6</td>
<td>2 – 4</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>29 – 279 kW</td>
<td>9 – 171 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R134a</td>
<td>R744</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MINICOLD COMPACT</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>No. of evaporator fans</td>
<td>1 – 2</td>
<td></td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>0 – 4 kW</td>
<td>0 – 3 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R404A</td>
<td></td>
</tr>
</tbody>
</table>
Minicold™ Split

Split refrigeration unit for medium and low temperature applications

- Split unit with ceiling-mounted air cooler and condensing unit for outdoor installation
- Designed for low temperature freezer rooms and medium temperature chiller rooms
- Version available for wine cellar
- Available also as separate condensing unit
- Hermetic compressor
- Remote electrical control panel for wall mounting
- Controller manages compressor, fans, temperature alarm and lighting
- Variety of options available

<table>
<thead>
<tr>
<th>MINICOLD SPLIT</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>No. of evaporator fans</td>
<td>1 – 2</td>
<td></td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>0 – 10 kW</td>
<td>0 – 5 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R404A</td>
<td></td>
</tr>
</tbody>
</table>

Supercold™ SH / Scroll

Split refrigeration unit for medium and low temperature applications

- Split unit with ceiling-mounted air cooler and condensing unit for outdoor installation
- Designed for low temperature and medium temperature cold rooms
- Available also as a separate condensing unit
- Hermetic scroll compressor or semi-hermetic compressor
- Integrated electrical control panel
- Variety of options available

<table>
<thead>
<tr>
<th>SUPERCOLD SH / SCROLL</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>No. of evaporator fans</td>
<td>1 – 3</td>
<td></td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>2 – 55 kW</td>
<td>0 – 31 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R404A / R507</td>
<td></td>
</tr>
</tbody>
</table>

R404A, cold room temp. MT +0°C / LT -25°C; ambient temperature = 32°C
Quietis®
Air-cooled condensing unit for medium and low temperature applications

- Compact design for outdoor installation
- Designed for cold room or display cabinet applications
- Low sound level
- Hermetic reciprocating compressors
- Integrated control box, all components factory wired
- Removable compressor compartment and top panels for easy maintenance access
- Wall mounting kit for single fan models
- Variety of options available

Quietis® G (centrifugal)
Indoor air-cooled condensing unit for medium and low temperature applications

- Compact design for indoor installation
- Designed for cold room or display cabinet applications
- Centrifugal fans with 180/250 Pa available static pressure for air duct connection
- Low sound level
- Hermetic reciprocating compressors or scroll compressors
- Outdoor version available
- Integrated control box, all components factory wired
- Removable compressor compartment and top panels for easy maintenance access
- Wall mounting kit for single fan models
- Variety of options available

<table>
<thead>
<tr>
<th>QUIETIS</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1 – 2</td>
<td>0 – 8 kW</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>R134a, R404A</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUIETIS G (CENTRIFUGAL)</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1</td>
<td>0 – 8 kW</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>R134a, R404A</td>
<td></td>
</tr>
</tbody>
</table>
Quietor® City (centrifugal)

Indoor air-cooled condensing unit for medium and low temperature applications

- Compact design for indoor installation
- Designed for use with multiple display cabinets and / or cold rooms
- Centrifugal fans with 200 Pa available static pressure for air duct connection
- Low sound level
- 1 or 2 hermetic scroll compressors (with 1 digital)
- EC fans
- Integrated control box, all components factory wired
- Removable side panels for easy maintenance access
- Outdoor version available
- Variety of options available

Quietor® SH

Air-cooled condensing unit for medium and low temperature applications

- Compact design for outdoor installation
- Designed for use with multiple display cabinets and / or cold rooms
- Low sound level
- Semi-hermetic compressors
- Integrated control box, all components factory wired
- Removable side panels for easy maintenance access
- Variety of options available, including compressor inverter

<table>
<thead>
<tr>
<th>QUIETOR CITY (CENTRIFUGAL)</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1 – 2</td>
<td></td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>6 – 23 kW</td>
<td>5 – 14 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R134a, R404A, R407F</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUIETOR SH</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>3 kW</td>
<td>1 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R134a, R404A, R407F, R507</td>
<td></td>
</tr>
</tbody>
</table>

R404A, evaporating temp. MT -10°C / LT -35°C; ambient temperature = 32°C
**Quietor® Evolution**

Air-cooled condensing unit for medium and low temperature applications

- Compact design for outdoor installation
- Designed for use with multiple display cabinets and / or cold rooms
- Low sound level
- Scroll or digital scroll compressors
- Integrated control box
- Removable side panels for easy maintenance access
- Variety of options available

<table>
<thead>
<tr>
<th>Quietor® Evolution</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1 – 2</td>
<td>2 – 4</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>2 – 46 kW</td>
<td>2 – 28 kW</td>
</tr>
</tbody>
</table>

R404A, evaporating temp. MT -10°C / LT -35°C; ambient temperature = 32°C

---

**GCV™ SH / Scroll**

Air-cooled condensing unit for medium and low temperature applications

- Compact design for outdoor installation
- Designed for applications with no machinery room and less space outside
- Small footprint due to integrated V-shape condenser
- Special, low sound level version available
- Semi-hermetic reciprocating compressors or scroll compressors
- Integrated control box, all components factory wired
- Removable side panels for easy maintenance access
- Refrigerant receiver with liquid line
- Variety of options available

<table>
<thead>
<tr>
<th>GCV™ SH / Scroll</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>2 – 4</td>
<td>6 – 37 kW</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>15 – 113 kW</td>
<td>15 – 113 kW</td>
</tr>
</tbody>
</table>

R404A, evaporating temp. MT -10°C / LT -35°C; ambient temperature = 32°C
**GC™**

Air-cooled condensing unit for medium and low temperature applications

- Compact design for outdoor installation
- Designed for applications with no machinery room and less space outside
- Integrated condenser, positioned adjacent to the compressor housing
- Special, low sound level version available
- Semi-hermetic reciprocating compressors
- Integrated control box, all components factory wired
- Removable side panels for easy maintenance access
- Refrigerant receiver with liquid line
- Variety of options available

<table>
<thead>
<tr>
<th>GC</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>1 – 2</td>
<td>6 – 48 kW</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>16 – 153 kW</td>
<td>R134a, R404A, R407F</td>
</tr>
</tbody>
</table>

**GC5™**

Air-cooled condensing unit for large medium and low temperature applications and large capacities

- Flexible design for outdoor installation
- Designed for applications without machinery room and restricted space outside
- Integrated condenser, positioned adjacent to the compressor housing
- Can be customized to suit customer requirements
- Semi-hermetic reciprocating compressors or scroll compressors
- Integrated control box, all components factory wired
- Removable side panels for easy maintenance access
- Refrigerant receiver with liquid line
- Variety of options available

<table>
<thead>
<tr>
<th>GC5</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>3 – 6</td>
<td>2 – 6</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>27 – 479 kW</td>
<td>R134a, R404A, R407F</td>
</tr>
</tbody>
</table>

R404A, evaporating temp. MT -10°C / LT -35°C; ambient temperature = 32°C
CO₂OLtec® Integral

Integrated system for refrigeration, space heating and cooling

- CO₂ integrated system range offers an advanced solution for a single central rack combining refrigeration, space heating and cooling
- Outdoor application
- Semi-hermetic compressors
- Separate water / glycol circuits providing heat for both space heating and either hot tap water, air curtain, comfort heating or cooling
- Integrated electrical control panel incorporating control of rack, gas cooler and thermal energy supply
- Building management controller fully integrated to control and monitor room temperatures, central ventilation system and lighting
- Built-on gas cooler
- Variable speed drive for primary compressor
- Uses natural refrigerant CO₂
- Ability to utilise 100 percent of the heat from the refrigeration cycle
- Possibility to eliminate conventional heating almost entirely
- Variety of options available

CO₂OLheat™

Heating system

- CO₂ heating units designed to efficiently obtain heat from your refrigeration system
- Operates as an add-on to the Carrier standard range of CO₂OLtec® refrigeration racks
- Indoor application
- One or two separate water / glycol circuits providing heat for both space heating and either hot tap water, air curtain, or comfort heating
- Integrated electrical control panel
- Specially designed control software allowing dynamic link with CO₂OLtec refrigeration rack
- Using natural refrigerant CO₂
- Ability to utilise 100 percent of the heat from the refrigeration cycle
- Possibility to eliminate conventional heating almost entirely
- Variety of options available

<table>
<thead>
<tr>
<th>CO₂OLTEC INTEGRAL</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of compressors</td>
<td>2 – 6</td>
<td>0 – 4</td>
</tr>
<tr>
<td>Refrigeration capacity</td>
<td>20 – 380 kW</td>
<td>2 – 170 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
<td></td>
</tr>
</tbody>
</table>

* Evaporating temp: MT -8°C / LT -35°C; ambient temperature = 32°C

CO₂OLHEAT

Heating capacity

<table>
<thead>
<tr>
<th>Heating capacity</th>
<th>1 – 500 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refrigerant</td>
<td>R744</td>
</tr>
</tbody>
</table>

Heating capacity shown is at -10°C, winter, 85 bar high pressure.
Soprano® CO₂

Air-cooled gas cooler for commercial and industrial refrigeration and air-conditioning applications

- Small to medium-sized capacities
- Outdoor application
- Single or double row design
- Vertical or horizontal airflow
- Robust casing
- High-efficiency EC fans and motors
- Modbus control for EC fans
- Uses natural refrigerant CO₂
- Energy savings and reduction of CO₂ emissions due to EC technology
- Compliant with ErP Directive
- Undergoing EUROVENT approval (new EUROVENT 2017 program)

<table>
<thead>
<tr>
<th>Soprano CO₂</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of fans</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Capacity</td>
<td>7 – 300 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
</tr>
</tbody>
</table>

Alto™ CO₂

Air-cooled condenser for commercial and industrial refrigeration and air-conditioning applications

- Small to medium-sized capacities
- Outdoor installation
- Single or double row design
- Vertical or horizontal airflow
- Robust casing
- High-efficiency EC fans and motors
- Modbus control for EC fans
- Uses natural refrigerant CO₂
- Energy savings and reduction of CO₂ emissions due to EC technology
- Compliant with ErP Directive
- Undergoing EUROVENT approval (new EUROVENT 2017 program)

<table>
<thead>
<tr>
<th>Alto CO₂</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of fans</td>
<td>1 – 10</td>
</tr>
<tr>
<td>Capacity</td>
<td>23 – 840 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
</tr>
</tbody>
</table>
Tenor® CO₂

Air-cooled gas cooler for commercial and industrial refrigeration and air-conditioning applications

- Large capacities
- Outdoor installation
- Single or double row design
- Vertical airflow
- Robust casing
- High-efficiency EC fans and motors
- Reduced footprint due to V-shaped configuration
- Modbus control for EC fans
- Uses natural refrigerant CO₂
- Energy savings and reduction of CO₂ emissions due to EC technology
- Compliant with ErP Directive
- Undergoing EUROVENT approval (new EUROVENT 2017 program)

<table>
<thead>
<tr>
<th>TENOR CO₂</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of fans</td>
<td>2 – 12</td>
</tr>
<tr>
<td>Capacity</td>
<td>64 – 1002 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
</tr>
</tbody>
</table>

Air temp. = 32°C; gas cooler temp. out = 34°C

Adagio™

Air-cooled condenser for commercial and industrial refrigeration and air-conditioning applications

- Small to medium-sized capacities
- Outdoor application
- Single or double row design
- Robust casing
- Vertical or horizontal airflow
- Optional high-efficiency EC fans and motors
- Compliant with ErP Directive
- EUROVENT certified

<table>
<thead>
<tr>
<th>ADAGIO</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of fans</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Capacity</td>
<td>4 – 312 kW</td>
</tr>
</tbody>
</table>

Fluid = R404A; inlet air temp. = 25°C; condensing temp. = 40°C; subcooling 3K
Alto™
Air-cooled condenser for commercial and industrial refrigeration and air-conditioning applications

- Small to medium-sized capacities
- Outdoor installation
- Single or double row design
- Vertical or horizontal airflow
- Robust casing
- Optional high-efficiency EC fans and motors
- Compliant with ErP Directive
- EUROVENT certified

<table>
<thead>
<tr>
<th>ALTO</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of fans</td>
</tr>
<tr>
<td>Capacity</td>
</tr>
</tbody>
</table>

Tenor®
Air-cooled condenser for commercial and industrial refrigeration and air-conditioning applications

- Large capacities
- Outdoor installation
- Single or double row design
- Vertical airflow
- Robust casing
- Optional high-efficiency EC fans and motors
- Reduced footprint due to V-shaped configuration
- Compliant with ErP Directive
- EUROVENT certified

<table>
<thead>
<tr>
<th>TENOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of fans</td>
</tr>
<tr>
<td>Capacity</td>
</tr>
</tbody>
</table>

Fluid = R404A; inlet air temp. = 25°C; condensing temp. = 40°C; subcooling 3K
**Adagio™ Fluid Cooler**

Air-cooled fluid cooler for commercial and industrial refrigeration and air-conditioning applications

- Small to medium-sized capacities
- Outdoor application
- Single or double row design
- Vertical or horizontal airflow
- Robust casing
- Optional high-efficiency EC fans and motors
- Compliant with ErP Directive
- EUROVENT certified

**Alto™ Fluid Cooler**

Air-cooled fluid cooler for commercial and industrial refrigeration and air-conditioning applications

- Small to medium-sized capacities
- Outdoor installation
- Single or double row design
- Vertical or horizontal airflow
- Robust casing
- Optional high-efficiency EC fans and motors
- Compliant with ErP Directive
- EUROVENT certified

<table>
<thead>
<tr>
<th><strong>ADAGIO FLUID COOLER</strong></th>
<th><strong>ALTO FLUID COOLER</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No. of fans</strong></td>
<td>1 – 6</td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td>10 – 300 kW</td>
</tr>
<tr>
<td><strong>Refrigerant</strong></td>
<td>All fluids, compatible with copper</td>
</tr>
</tbody>
</table>

Fluid = water; inlet air temp. = 25°C; inlet fluid temp. = 40°C; fluid dT=5K
Tenor® Fluid Cooler
Air-cooled fluid cooler for commercial and industrial refrigeration and air-conditioning applications

- Large capacities
- Outdoor installation
- Single or double row design
- Vertical airflow
- Robust casing
- Optional high-efficiency EC fans and motors
- Reduced footprint due to V-shaped configuration
- Compliant with ERP Directive
- EUROVENT certified

### Tenor Fluid Cooler

| No. of fans | 2 – 20 |
| Capacity   | 51 – 1804 kW |
| Refrigerant | All fluids, compatible with copper |

Fluid = water; inlet air temp. = 25°C; inlet fluid temp. = 40°C; fluid df=5K

Sirocco™ (centrifugal)
Air-cooled condenser for indoor or outdoor applications that require a static pressure

- Small to medium sized capacities
- Indoor or outdoor application
- Available static pressure of 0 / 50 / 100 / 150 Pa
- Centrifugal fan assembly
- Vertical or horizontal airflow
- Connection for air duct system

### Sirocco (Centrifugal)

| No. of fans | 1 – 3 |
| Capacity   | 11 – 89 kW |

Fluid = R404A; inlet air temp. = 25°C; condensing temp. = 40°C; subcooling 3K
SoloCO₂OL®

Industrial air cooler for large capacity low temperature applications

- Ceiling-mounted cubic air cooler
- Designed for large capacity refrigeration, storage and freezing applications
- Easy to install and maintain
- Coolers delivered in mounting position (with drain pan)
- Finned coil with smooth copper tubes and aluminium fins
- Wired fans with quick connectors and wired heaters
- Variety of options available
- Uses natural refrigerant CO₂
- Compliant with ErP Directive
- Undergoing EUROVENT approval (new EUROVENT 2017 program)

<table>
<thead>
<tr>
<th>SoloCO₂OL</th>
<th>BP™ / BN™ Evolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of fans</td>
<td>1 – 4</td>
</tr>
<tr>
<td>Capacity</td>
<td>4 – 111 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R744</td>
</tr>
</tbody>
</table>

Fluid = R744; inlet air temp. / evaporating temp.: LT = -18°C / -25°C

BP™ / BN™ Evolution

Air cooler for medium and low temperature applications

- Compact, ceiling-mounted air cooler
- Designed for refrigerated display cases and small cold rooms
- Axial fans
- Finned coil with grooved copper tubes and aluminium fins
- Optimized for a variety of refrigerants
- Variety of options available
- Compliant with ErP Directive
- EUROVENT certified

<table>
<thead>
<tr>
<th>BP / BN EVOLUTION</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of fans</td>
<td>1 – 4</td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>0 – 5 kW</td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R134a, R407F, R404A, R507, R407C, R417A, R422A</td>
<td></td>
</tr>
</tbody>
</table>

Fluid = R404A; inlet air temp. / evaporating temp.: MT = 0°C / -4°C; LT = -18°C / -25°C
**CAN™ / CAB™ Evolution**

Air cooler for medium and low temperature applications

- Ceiling-mounted cubic air cooler
- Designed for all types of cold rooms from small to medium capacities
- Large variety of dimensions, fin spacings and air flow configurations to suit cold room requirements
- Direct drive axial propeller fans
- Finned coil with copper tubes and aluminium fins
- Casing complete with doors and pivoting pan
- Variety of options available
- Compliant with ErP Directive
- EUROVENT certified

**SOLO™**

Industrial air cooler for large capacity medium and low temperature applications

- Ceiling-mounted cubic air cooler
- Designed for large capacity refrigeration, storage and freezing applications
- Hinged side covers and drain pan
- Wired fans with quick connectors and wired heaters
- Finned coil with grooved copper tubes and aluminium fins
- Delivered in mounting position (with drain pan)
- Variety of options available
- Compliant with ErP Directive
- EUROVENT certified

---

### CAN / CAB EVOLUTION

<table>
<thead>
<tr>
<th>No. of fans</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 – 6</td>
<td>2 – 54 kW</td>
<td>1 – 40 kW</td>
</tr>
</tbody>
</table>


Fluid = R404A; inlet air temp. / evaporating temp.: MT = 0°C / -8°C; LT = -18°C / -25°C

---

### SOLO

<table>
<thead>
<tr>
<th>No. of fans</th>
<th>MT application</th>
<th>LT application</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 – 4</td>
<td>7 – 128 kW</td>
<td>4 – 90 kW</td>
</tr>
</tbody>
</table>

Refrigerant: R134a, R407F, R404A, R507, R407C, R417A, R422A

Fluid = R404A; inlet air temp. / evaporating temp.: MT = 0°C / -8°C; LT = -18°C / -25°C
**DFC™ Evolution**

*Air cooler for medium and high temperature applications*

- Ceiling-mounted dual-discharge air cooler
- Designed for working areas, such as preparation rooms
- Low air speed for occupied areas
- Axial fans, configured for optimal air flow
- Comfortable sound level
- Finned coils with grooved copper tubes and aluminium fins
- Specially designed casing for easy cleaning and maintenance access
- Variety of options available
- Compliant with ERP Directive
- EUROVENT certified

### Specifications:

<table>
<thead>
<tr>
<th>DFV EVOLUTION</th>
<th>DUO EVOLUTION</th>
</tr>
</thead>
</table>

| No. of fans | 1 – 5 |
| Capacity | 2 – 16 kW |
| Refrigerant | R134a, R407F, R404A, R507, R407A, R427C, R417A, R422A |

**DUO™ Evolution**

*Air cooler for medium temperature applications*

- Ceiling-mounted dual-discharge air cooler
- Designed for refrigerated warehouses, preparation / processing cold rooms
- Low air speed for occupied areas
- Axial fans, configured for optimal air flow
- Comfortable sound level
- Finned coils with grooved copper tubes and aluminium fins
- Specially designed casing for easy cleaning and maintenance access
- Variety of options available, including factory mounted expansion valve
- Compliant with ERP Directive
- EUROVENT certified

### Specifications:

<table>
<thead>
<tr>
<th>DUO EVOLUTION</th>
<th></th>
</tr>
</thead>
</table>

| No. of fans | 1 – 5 |
| Capacity | 4 – 97 kW |
| Refrigerant | R134a, R407F, R404A, R507, R407A, R427C, R417A, R422A |

Fluid = R404A; inlet air temp. / evaporating temp.: MT = 0°C / -8°C
Air cooler for medium and low temperature applications

- Modular design for floor mounting
- Designed for low temperature blast freezers (QFC) and medium temperature blast chillers (QFR)
- Standard fan pressure = 50 Pa
- Axial fans, configured for optimal air flow
- Finned coils with grooved copper tubes and aluminum fins
- Adjustable unit height according to customer needs
- Variety of options available
Complete & Sustainable Refrigeration Solutions for Food Retailers

Project Planning
- Display cabinets to maximize merchandising opportunities
- Energy and environmental impact consulting and analysis
- Optimal refrigeration technology solutions for each store type
- Complete project design and documentation

Lifecycle Care
- Preventative maintenance program
- 24/7 call center and service assistance
- Remote monitoring to ensure optimized performance
- System modernization for improved efficiency

Product Development & Manufacturing
- Next-generation display cabinets to help increase sales
- Advanced refrigeration technology and integrated systems
- Energy-efficient solutions for the system lifecycle
- Sustainable natural refrigerant technologies

Installation
- Approach tailored to unique customer requirements
- Experienced teams with standard work processes
- A focus on quality throughout the process
- Limited on-site time for minimal business disruption

Carrier Commercial Refrigeration is a leading supplier of high-efficiency turnkey refrigeration systems and services in the food retail industry.

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www.carrier.com