


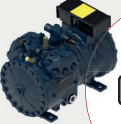
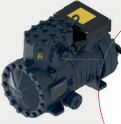

# A LONG TRADITION WITH NATURAL GAS COMPRESSORS: CO<sub>2</sub> RANGE



OFFICINE MARIO DORIN SINCE 1918  
**DORIN**  
INNOVATION

**DORIN** has believed, invested and developed "natural" solutions since the 1990s, and for 2021 has decided to further consolidate its position by improving its line of natural gas compressors with **low environmental impact**, the **ECOS line**, with the strengthening of the cooling capacities and the increase in products range

**The widest range in the market (displacement 50 Hz):**

 <p><b>CD RANGE</b></p> <ul style="list-style-type: none"> <li>from <b>1.12 m<sup>3</sup>/h</b> to <b>60 m<sup>3</sup>/h</b></li> <li>from <b>1.5 hp</b> to <b>90 hp</b></li> <li><b>2 - 4 - 6</b> cylinders</li> <li>PS = <b>150 bar</b> PSs = <b>100 bar</b></li> </ul>	 <p><b>CDS RANGE</b></p> <ul style="list-style-type: none"> <li>from <b>1.90 m<sup>3</sup>/h</b> to <b>48.82 m<sup>3</sup>/h</b></li> <li>from <b>1.0 hp</b> to <b>30 hp</b></li> <li><b>2 - 4</b> cylinders</li> <li>PS = <b>55 bar</b> PSs = <b>36 bar</b></li> </ul>	 <p><b>CD2S RANGE</b></p> <ul style="list-style-type: none"> <li>from <b>1.45 m<sup>3</sup>/h (LP + 0.57 (HP))</b> to <b>15.11 m<sup>3</sup>/h (LP + 8.98 (HP))</b></li> <li>from <b>3.0 hp</b> to <b>35 hp</b></li> <li><b>3 - 4</b> cylinders</li> <li>PS = <b>150 bar</b> Pss = <b>100 bar</b></li> </ul>	<ul style="list-style-type: none"> <li><b>1991</b> 1st to re-invent modern CO<sub>2</sub> transcritical compression technology</li> <li><b>1995</b> Prototypes to SINTEF - NTNU</li> <li><b>2003</b> TCS range</li> <li><b>2009</b> CD range</li> <li><b>2016</b> CD 500 range up to 100 hp largest worldwide</li> <li><b>2020</b> CD4 range</li> <li><b>2021</b> 30 years of technology leadership</li> </ul> 
--	--	---	--

**NEW MODEL 2021:  
CD6 901-99B**


**the most powerful semi-hermetic subcritical CO<sub>2</sub> compressor ever designed**

displacement of 99 m<sup>3</sup>/h (50 Hz)



**6 cylinders up to 99 m<sup>3</sup>/h**

greatest powers currently available on the global market



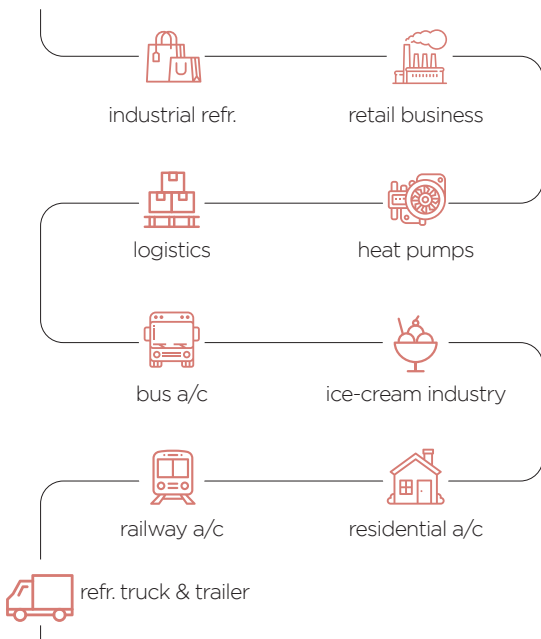
winner of the **AHR INNOVATION AWARDS 2021**





**CD600**

## MAIN APPLICATION



## MAIN STRENGTHS


- Cost saving
- Efficiency: high performance, low running costs
- Extra-robustness: longer lifetime
- Low noise levels
- Low vibrations
- Low discharge temperatures
- Low oil carry over

## SUSTAINABILITY


The range of semi-hermetic CO<sub>2</sub> compressors (CD, CDS and CD2S range) uses a natural gas (CO<sub>2</sub>) with **pollution levels to zero**

**DORIN IS A PIONEER AND STILL A LEADER IN THIS TECHNOLOGY**

**Contacts**  
**DORIN**

 **Via Aretina, 388, Compiobbi**  
50061 (FI), Italy

 [dorin@dorin.com](mailto:dorin@dorin.com)

 **+39-055-62321.1**  
Telephone

**FOLLOW US**

