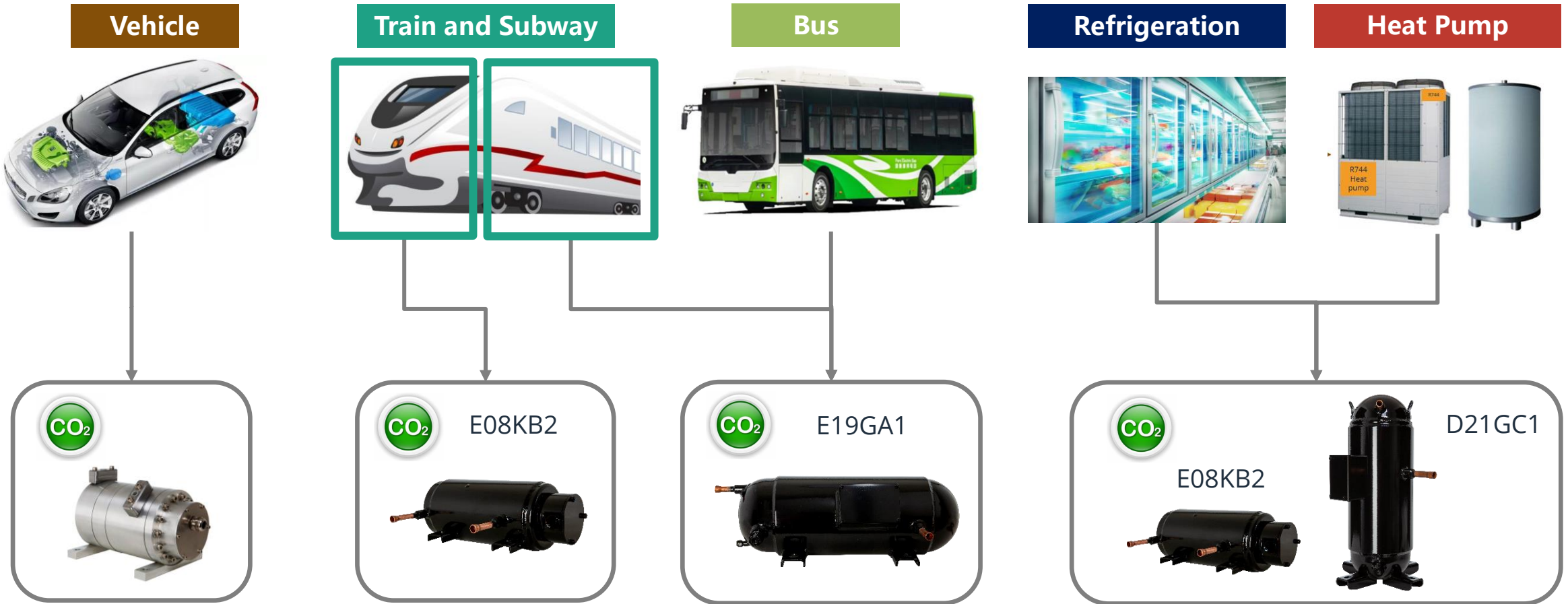


# CO2 Products

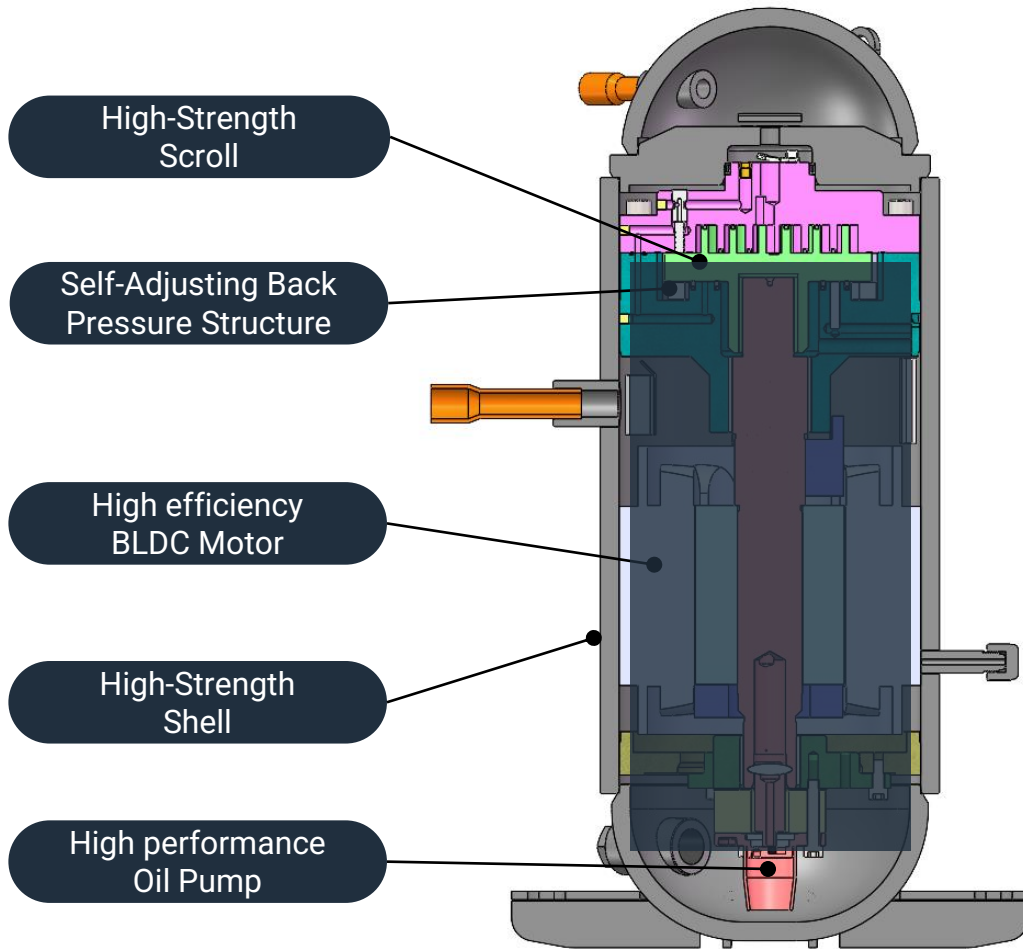




## Line up

Model	E08KB2	E19GA1	D21GC1	D36GC1	D62GC1
Appearance					
Displacement (HP)	8CC (4HP)	19CC (10HP)	21.6CC (10HP)	36CC (20HP)	62CC (20HP)
Launch time	2023 Q4	2023 Q4	2024 Q2	2024 Q4	2024 Q4
Status	Mass-Produced	Mass-Produced	Sample ready	In Development	In Development
Application	Transportation, Self-contained unit	Transportation	Refrigeration, Chiller & Heat Pump	Refrigeration, Chiller & Heat Pump	Refrigeration, Chiller & Heat Pump
Temperature range	MT&HT	MT&HT	MT&HT	MT&HT	MT&HT
Speed range RPM	1800~6000	2400~6000	3000~5400	3000~5400	Fixed 3000

## Features



### Efficient

Industry-leading volumetric-efficiency + Excellent isentropic-efficiency. Providing competitive performance while saving materials and energy.



### Reliable

The High-Strength shell can withstand bursting pressure of **up to 42MPa**. The oil pump and dual oil path ensure a sufficient oil supply.



### Compact

Compared with the piston compressor, **the weight is greatly reduced by ~60%**!

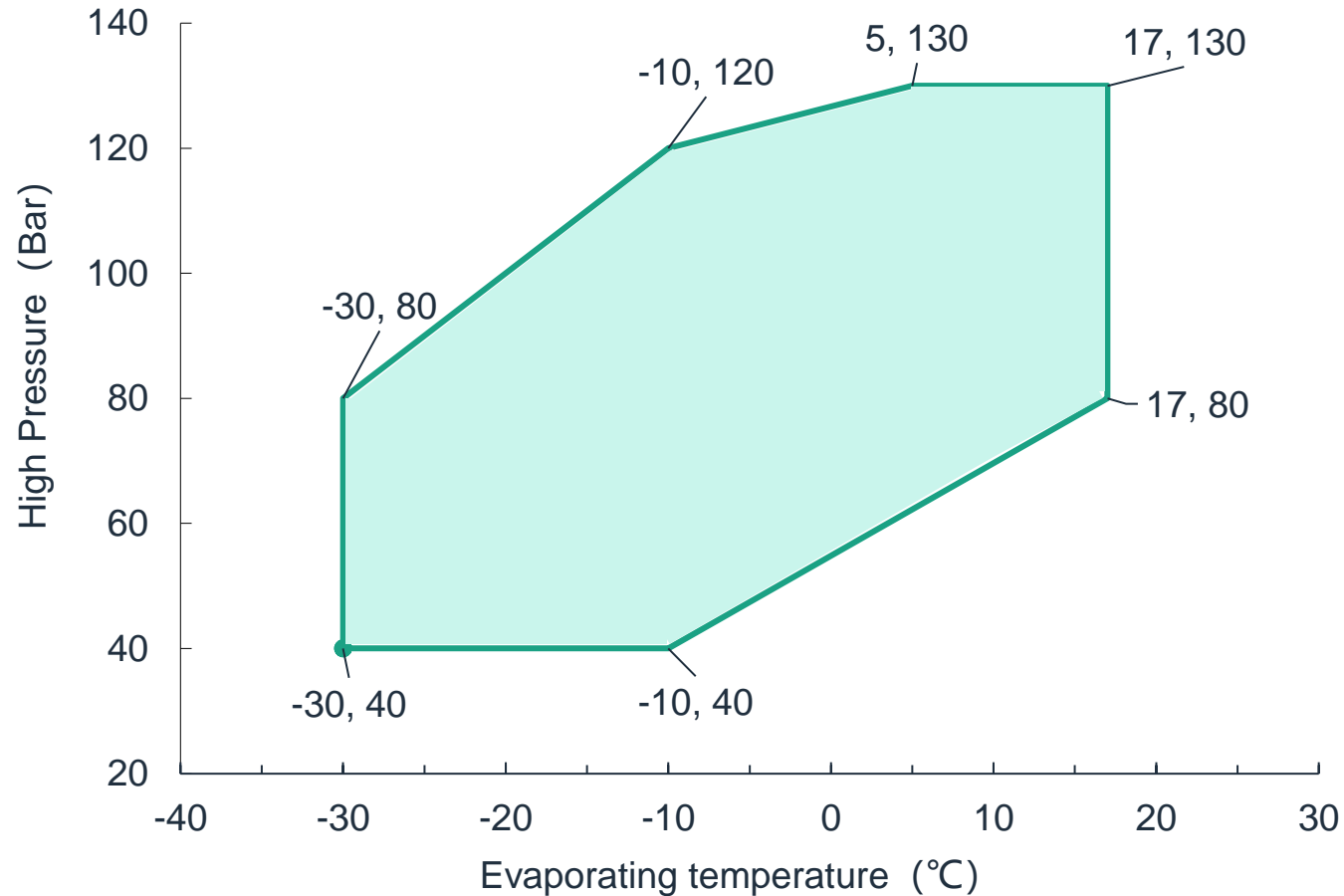


### Excellent NVH

Thanks to the precise balance design and a high-strength shell, the compressor has the lowest noise and vibration levels in the industry. You can tell the difference just by your eyes and ears.

Model: D21GC1

# Wide Operating Range



## Up to 130 Bar

Meet the needs of extreme high ambient temperature in summer of refrigeration units, or the needs of high outlet temperature of heat pump water heaters.

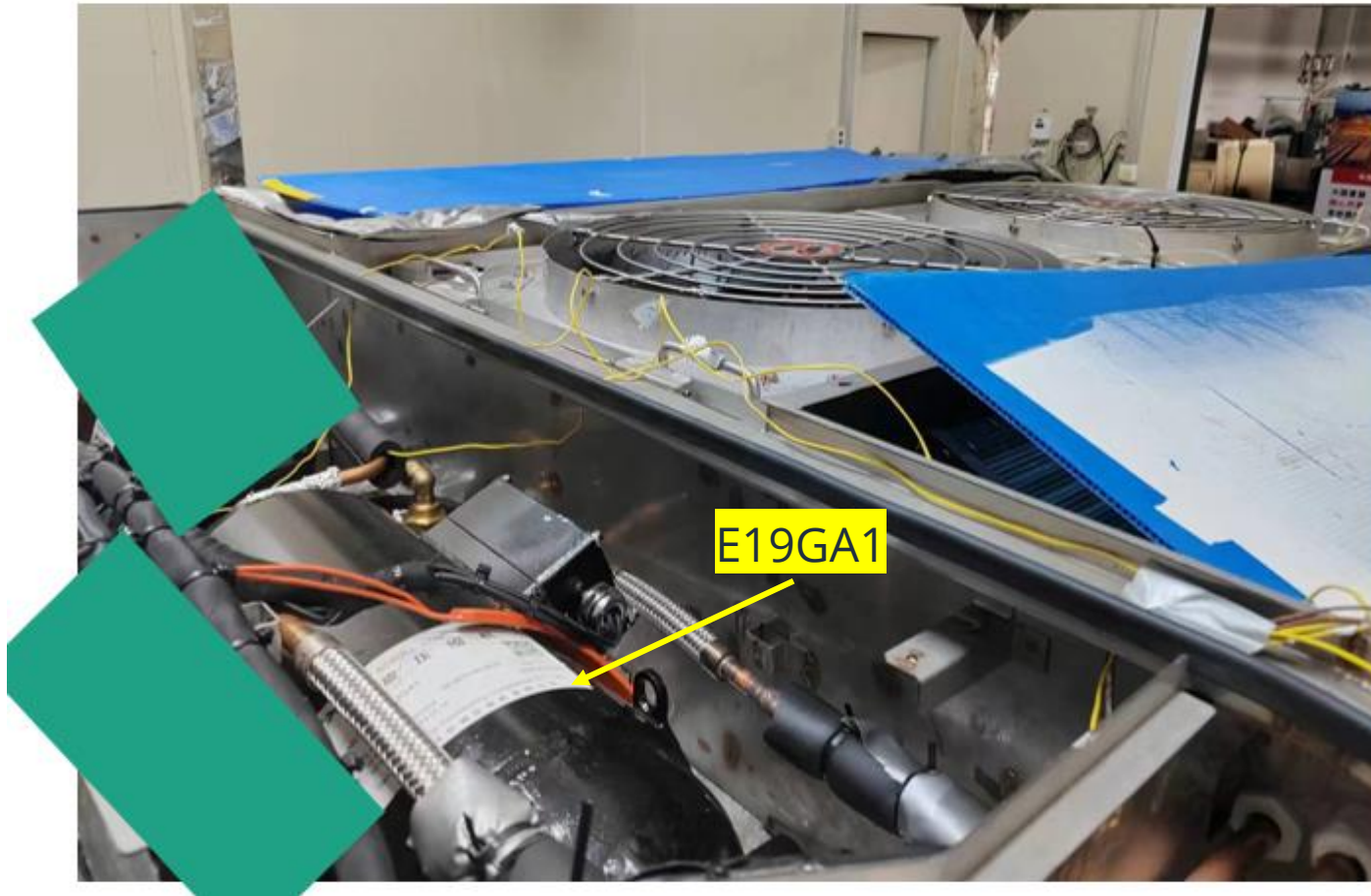


## Wide evaporation range

Evaporating temperatures, from 17°C to -30°C, can meet the needs of air conditioning, MT refrigeration and heat pump.

Model: E08KB2

# Example 1



Model	E19GA1
Product type	<i>Heat pump for subway</i>
Rated Cooling Capacity	<i>37kW (2 compressors)</i>
Rated Speed	<i>4200RPM</i>
CO2 charge	<i>~5kg per compressor</i>
Configurations	<i>EEV, 4-ways valve, one-way valve, IHX, Suction accumulator, Vibration absorber, PRV, pressure switch, discharge temperature switch.</i>



## Example 2



Model	E08KB2
Product type	<i>Air conditioning for cab</i>
Rated Cooling Capacity	<i>6kW</i>
Rated Speed	<i>4200RPM</i>
CO2 charge	<i>~1.8kg</i>
Configurations	<i>EEV, IHX, PRV, pressure switch, discharge temperature switch.</i>

## Example 3&4

Model	D21GC1
Product type	<i>CDU for CVS &amp; supermarket</i>
Rated Cooling Capacity	<i>17kW</i>
Rated Speed	<i>5000RPM</i>

Model	D21GC1
Product type	<i>All in one unit for Food industry</i>
Heating Capacity In/outlet=20/85°C	<i>30kW</i>
Rated Speed	<i>4800RPM</i>







# **CO2 Compressor For a Greener Tomorrow**

**Dalian, China**