

# NOVA66

## TRANSCRITICAL CO<sub>2</sub> / HFC

Compact compressor rack widely equipped for the generation of cold with CO<sub>2</sub> in transcritical cycle or HFC. It serves the refrigeration services in one or two temperatures, working as a booster.

**COOLING CAPACITY:** 44 to 63 KW

**APPLICATION:** 373 to 800 M<sup>2</sup> (HFC) / 700 to 1.500 M<sup>2</sup> (CO<sub>2</sub>)

- ✓ Full solution.
- ✓ Compact unit.
- ✓ Plug & play.
- ✓ Indoor & outdoor.
- ✓ 360° accessibility.
- ✓ Acoustic isolation.
- ✓ Up to 1 exchanger and 1 parallel compressor.
- ✓ Greater exchange surface = Lower flow.

- » CONVENIENCE STORES.
- » SUPERMARKETS.
- » REFRIGERATED WAREHOUSES.
- » SMALL INDUSTRY.



## STANDARD EQUIPMENT

- Double V battery.
- A battery can act as an evaporator in case of heat demand and when cold generation is not required.
- Condenser with 5 mm tubes (high performance) and with low refrigerant charge
- Gas Cooler.
- Two independent modules to contain the compressors and the gas cooler.
- Electrical panel with controller and disconnect switch with external control.
- Drivables EC fans.



NOVA66: 360° ACCESSIBILITY

## AVAILABLE OPTIONS

- Axial or Radial version.
- BITZER or COPELAND (HFC) compressors.
- Proportional compressor.
- RHX plus NV58 for heat recovery (CO2).
- IHX internal heat exchanger (CO2).
- Silent version.

| NOVA 66 HFC | COOLING CAPACITY |              |             |
|-------------|------------------|--------------|-------------|
|             | R134A-MT         | R449A-MT     | R449A-LT    |
| NV66        | 15 ... 52 kW     | 27 ... 67 kW | 9 ... 23 kW |

\* Calculation conditions:  $T_{ev} MT -10^{\circ}C$ ,  $T_{ev} LT -35^{\circ}C$ ,  $T_{ext} +32^{\circ}C$ .

## CO2 DESIGN PRESSURES

- MP (Suction MT): 52 bar.
- LP (Suction LT): 30 bar.
- IP (Receiver & liquid line): 70 bar.
- HP (Discharge): 120 bar.

| NOVA 66 CO2           | APPLICATION |           |           |              |
|-----------------------|-------------|-----------|-----------|--------------|
|                       | MT          |           | MT + CP   |              |
| cooling capacity kW   | 44 kW       | 54 kW     | 63 kW     | 40 + 4 kW    |
| number of compressors | 2           | 3         | 2 + 1     | 2 + 1        |
| inverter compressors  | 1           | 1         | 1 + 1     | 1 + 0 (opc.) |
| extra equipment       | IHX / RHX   | IHX / RHX | IHX / RHX | IHX / RHX    |
| recovery (max)        | 30 kW       | 38 kW     | 40 kW     | 30 kW        |

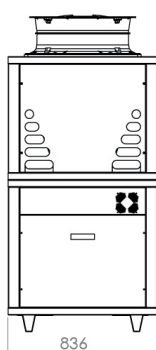
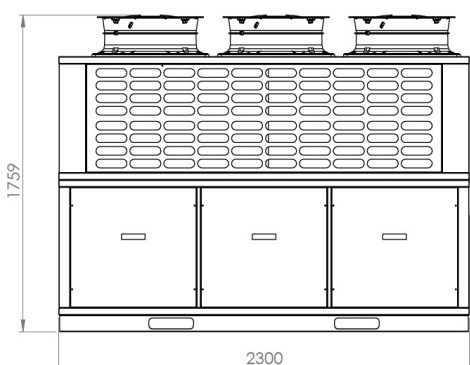
\* Calculation conditions:  $T_{ev} MT -8^{\circ}C$ ,  $T_{ev} LT -32^{\circ}C$ ,  $T_{sgc} +35^{\circ}C$ .

## NV66 AXIAL VERSION

Fans: 3xØ500 mm

Air flow: 24.000 m<sup>3</sup>/h

Sound pressure at 10m: 46 to 57 dB(A)



## NV66 RADIAL VERSION

Fans: 3xØ500 mm

Air flow: 22.500 m<sup>3</sup>/h

Sound pressure at 10m: 50 to 56 dB(A)

