



AIR CONDENSING UNIT FOR OUTDOOR INSTALLATION
ERACLE - GMC_SE-Piston 2-Stages

GENERAL TECHNICAL DESCRIPTION

The ERACLE - GMC_SE-Piston 2-Stages series consists of air condensing units for outdoor installation, equipped with 2-stages semi-hermetic reciprocating compressors. Units are realized with a strong self-supporting steel frame welded with pressbent metal sheet profiles, and then completed with removable panels; removable and permanent connecting elements in stainless steel. All components of the steel frame are polyester coated, color RAL 7035. The series is available for low evaporating temperatures (BSBT) applications such as freezing tunnel.

- BSBT -> Low temperature (-35/+45°C)

In the standard version, the **ERACLE - GMC_SE-Piston 2-Stages** series is equipped with:

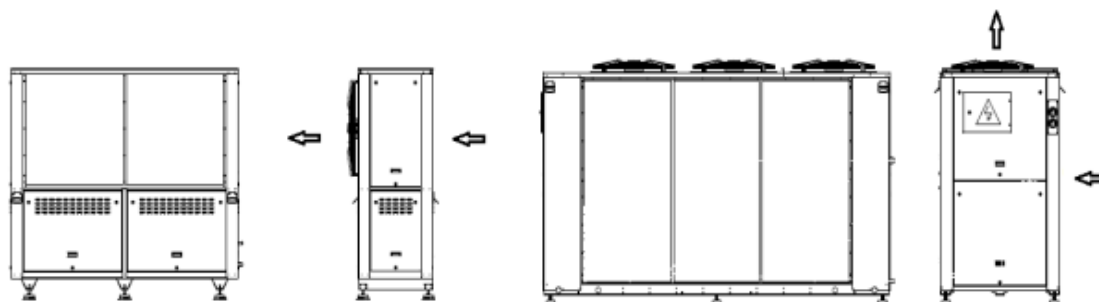
- ❖ 2-Stages semi-hermetic reciprocating compressors
- ❖ Sub-cooling kit
- ❖ Crankcase heater
- ❖ Widely seized air condenser
- ❖ Double pressure switch (PED certified)
- ❖ Discharge and suction vibration eliminators
- ❖ Liquid separator with: safety valve with shut-off valve (PED certified), heaters
- ❖ Hot gas discharge line with: oil separator, check valve (downstream of the oil separator)
- ❖ Liquid receiver with: shut off valve, safety valve with integrated shut-off valve (PED certified)
- ❖ Liquid line with: filter, sight glass, solenoid valve
- ❖ Electric control panel

The compressors of the units are supplied with a suitable charge of polyester oil (POE) for HFC refrigerants (R134a, R407C, R404a, R507a, R407f). The units are also supplied with a protective charge of dry nitrogen.

Benefits

- Strong, compact, simple installation and soundproofed (*)
- Weather-resistant units
- Competitive prices
- Many available optional
- High reliability
- Easy maintenance

(*) ERACLE - GMC_SE-Piston 2-Stages series is also available in low sound version, which consists of covering the compartment of the compressors with sound insulating cladding (Scheme A / A Drawing).



A Drawing

B Drawing

BRANDS USED:

- ❖ Compressors: BITZER;FRASCOLD;DORIN
- ❖ Condenser fan: EBM; ROSEMBERG
- ❖ Electric/electronic components: SIEMENS; SCHNEIDER; FAE-FAGAN
- ❖ Circuit components: PARKER; CASTEL; GMC; DANFOSS;
- ❖ Safety/checks: RANCO; NGI; CASTEL
- ❖ Exchangers: STEFANI; WTK; ROENEST; SWEP; ONDA

Herewith to inform you that this is for general information only. TECNOFREDDO reserves the right to validate the results as a whole, to modify the data reported, entirely or in part, at any time and without prior notice, and to use alternative components from other suppliers if necessary.