

SKY Cooling units for door or wall mounting

Quick and flexible assembly, reliability, minimised maintenance and optimum design are the planning criteria used to guide the construction of the SKY cooling unit series, TEXA's response to the requirements of the most demanding users.

Power range

The range of powers available goes from 1050 to 2050 W.

Assembly flexibility

All the units can be mounted outside the enclosure or recessed without the need for any assembly accessories. Thanks to this feature, made possible by the unit's modular structure, the user is completely free to choose which type of installation he prefers without any restrictions.

Pleasant design

The grille is made in shockproof ABS which has great mechanical strength, is self-extinguishing and conforms to the UL94 V0 standard. The pleasant grille design ensures a positive aesthetic impact that integrates and enhances enclosure appearance.

Electronic regulation control

All TEXA air conditioning units are supplied with electronic adjustment as standard.

Quick installation

Installation is very quick thanks to the simplicity of the holes to be drilled on the enclosure panel and to the fixing system, whose elements are all included in the cooling unit packaging.

They all lend themselves to easy and safe electrical connection by means of rapid connectors which are inserted into the back of the unit.

Ideal enclosure cooling

Internal enclosure air is sucked up from the top of it, cooled inside the cooling unit and let back into the enclosure with a high-speed flow aimed towards the bottom. This ensures optimum cooling of the whole panel and puts a stop to any hot points of the electronic components protected by the cooling unit.

Minimised maintenance

All the cooling units feature heat exchange surfaces designed to prevent clogging by solid contaminants in the ambient air. They maintain high efficiency even when the environmental conditions are bad, thus reducing maintenance work drastically meaning that the cooling unit can work without a filter on the external air intake.



Optimum enclosure protection

Thanks to the special internal configuration that keeps the flow of outside air separate and sealed from the inside air, and to the self-adhesive coupling seal, the SKY cooling unit allow the enclosure to maintain an IP54 protection level.

Safe guarding the environment

Great attention is paid to limiting the noise level, being one of the most important criteria when designing the SKY cooling units. They are, in fact, designed to minimise disturbance caused by noise to ensure a quiet working place. To protect the environment all the cooling units use the CFC-free, ozone-friendly refrigerant R134a.



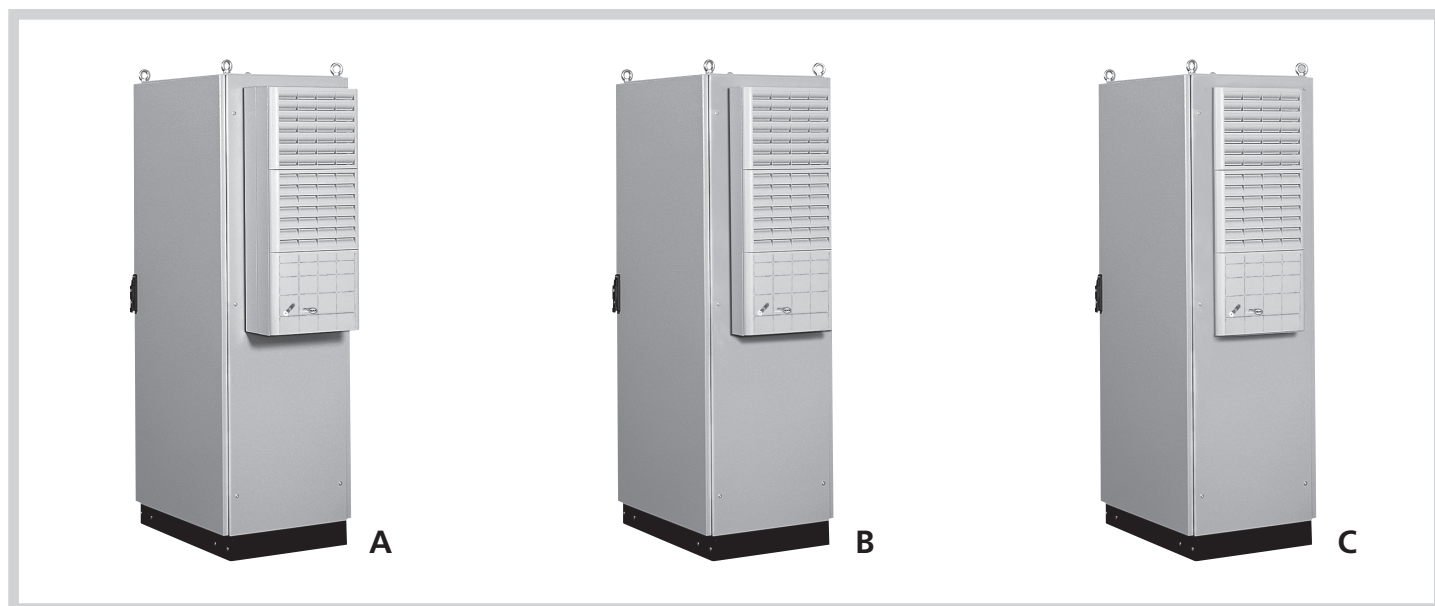
Supply voltage

The SKY cooling units are available for the main AC supply voltage: 230V single-phase, 400-440V two-phase (in the case of voltage between lines when there is no neutral), 115V single-phase and 400V three-phase, all bifrequency 50-60 Hz. On request and for substantial quantities they can also be available with other voltages not given in the catalogue.

Painting

RAL 7035 orange peel effect is the standard colour. Epoxy powder paint is used. On request other colours are available as well as stainless steel versions.

The three mounting possibilities: **A** - external, **B** - semi-recessed, **C** - internal.





Application tips

- When choosing the cooling unit maintain a safety margin of at least 10% on the rated power considering the most difficult conditions it will have to work in.
- Seal the enclosure well. Slits and openings will cause the cooling unit's capacity to drop considerably and excessive condensate to form.
- Install the cooling unit on a door or wall but always as high up as possible so that the air is taken from the top of the enclosure where very hot air is created. The cooling unit is factory set at 35°C
- which is the optimum temperature for the majority of applications. Unless it is strictly necessary, do not reduce the temperature as it would diminish the efficiency of the cooling unit and cause an excessive production of condensate.
- Arrange the electronic components inside the enclosure in such a way to facilitate the flow of air. Do not obstruct the air inlet or outlet with components installed too close. Any components that have their own internal ventilation must have the flow aimed so as not hinder the cooling unit airflow.
- Switch the cooling unit off if the enclosure doors are opened. This is to prevent an excessive production of condensate. To this end, install a limit switch on the door.
- The line supplying electricity to the cooling unit must be protected with a delayed fuse or a circuit breaker suitably rated according to the unit's technical data.