



*Self Contained
Wall Mounted
Reliable Communication*

Reliable Communication



High Durability

- All components contained in SWM Wall Mounted units have been carefully selected to withstand climactic conditions and preserving at the same time, the traditional characteristics of Trane durability such as:

- Cabinets are manufactured in galvanized steel panels that undergo a treatment of the surface and appropriate painting to correspond to the most severe climatic conditions.
- Screws are in inox-steel 304 and geomet top coat, with a high corrosion resistance, even when under aggressive environment.
- A scroll compressor of high durability is projected to correspond to the most rigid operational conditions.
- Control Pressostat of the condensation pressure allows the conditioner to operate normally under periods of external low air temperature.

Simplicity of Installation and Maintenance

- All SWM units come out of the factory totally assembled and tested. They follow the plug-in assembly in the field.
- There are assembly options of compressors (left/right) and accessories.
- There is easy access to electrical panel and filters through the rear part of the unit (out of the container).
- 4 and 5 Ton units have service valves in the suction and discharge of the compressor (optional for 2 until 3 Ton).
- Lifting flanges and bottom support (optional) for ease of installation.

Typical Application

Radio Based Stations (RBS) have a high heat factor sensitivity, what asks for a bigger cooling and air flow capacity, so as not to risk equipments working conditions. Wall Mounted Trane units were designed to cope with thermal charges, typical of telecommunication installations. The wide experience Trane has in air - conditioning and controls, proved to be responsible for the development of an integrated airconditioning system, designed specially for the telecommunication use. The Wall Mounted cooling units were developed considering specific and strict needs of the telecommunication market, representing a new standard for this growing market.

Scroll Compressor

All Wall Mounted Trane line are equipped with SCROLL compressors, assembled in independent cooling circuits. The SCROLL compressor has less than half movable parts than similar capacity units. It also eliminates internal blows caused by connecting rods and pistons, resulting in a much softer and quieter operation.



Lead-Lag Controllers

Lead-Lag controllers were developed to control the operation in telecommunication installations. As soon as energized the system becomes operational.



Lead-Lag controls the temperature in a container, using two airconditioning machines (Main and Spare) that can lower or raise temperature as needed, controlling operation and switch of equipments. Temperature Control happens through non-simultaneous work of the compressor and heating resistance of the selected machine. Besides the temperature value obtained through the sensor, parameters as maximum, medium and minimum temperature are used.

Periodically the main machine commands start to operate on the spare machine and vice-versa.

The controller makes this switch automatically and this leisure is kept indefinitely.

Machines switch can take place based on time of operation or damage.

Evaporator Start up (Fan) starts up with the compressor and heating, turning off automatically 90 seconds after one of them turns off.

SCU informs the existence of 3 CCC alarms. These can be of high temperature, main machine damage and spare machine damage.

Optionals

Trane economizer cycle (temperature or enthalpy)

Economizer cycle control compares outside air conditions with the previous setpoint (temperature or enthalpy). When both values appear below exterior conditions, the damper will position it self in order to allow 100% of outside air. This offers savings in energy consumption for telecommunication installations.

Emergency venting system

In case of power failure, it allows fan operation to provide outside air to the space (provided there is availability of 220 VAC 1Ph power supplied by batteries and variable speed drive by others). This eliminates the installation of independent injectors, reducing first cost expenditure.

Electrical Re-Heating

Electrical Re-Heating through the use of tube like resistances. Besides the standard disposable filter, ABNT G4, of fiber glass, it can be supplied in Double Filtering Stage (G0 + G4).

Liquid Display

Allows the identification of eventual problems in the cooling cycle, such as lack of cooler, presence of humidity, etc.

Lead-Lag

Provides simultaneous control of main and spare equipments within attainable cost.

Programmable thermostat

Touch sensitive display shows time of day, day of the week, operating mode and indoor temperature.

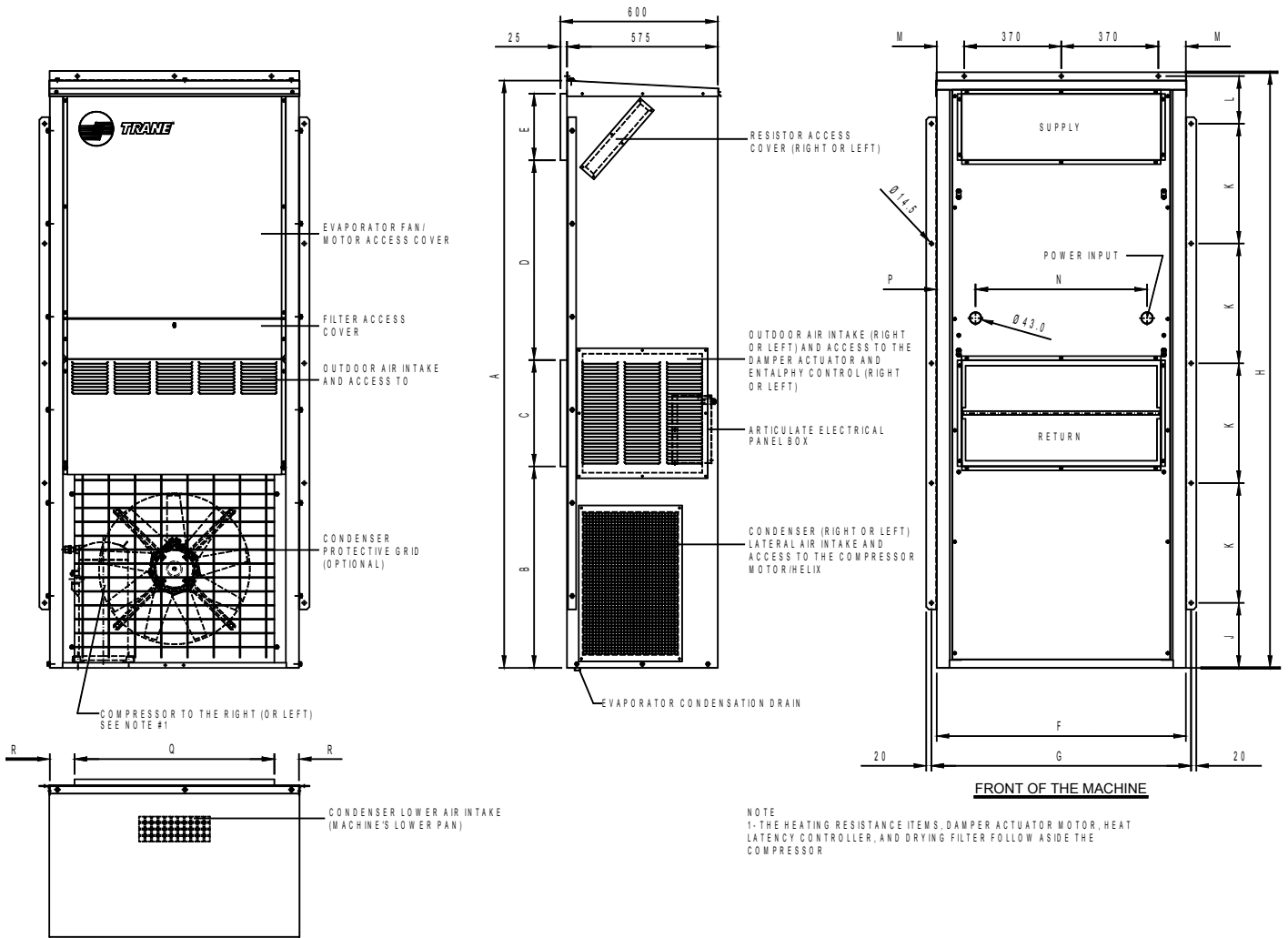


Selection of 4 different setpoints for each day of the week. Timed override button allows the user to program the operation of the equipment at desired time schedules. The main advantage of the programmable thermostat is in energy savings since equipment is enabled or disabled according to the programming schedule.



Outdoor Units

Dimensional - SWMB



| MODEL | A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R |
|--------------|------|-------|-----|-----|-----|-----|-----|------|-----|-----|-------|-----|-----|-----|-----|----|
| SWMB 020/030 | 1840 | 670 | 353 | 460 | 200 | 850 | 890 | 1872 | 115 | 410 | 97,5 | 55 | 600 | 125 | 708 | 71 |
| SWMB 040/050 | 2240 | 768,5 | 406 | 762 | 254 | 950 | 990 | 2272 | 248 | 457 | 181,5 | 105 | 654 | 148 | 762 | 94 |



Ingersoll Rand develops advanced technologies that improve quality of life through integrated solutions for the creation and maintenance of safe, comfortable and efficient environments. Our people and our family of brands — including Club Car®, Ingersoll Rand®, Thermo King® and Trane® work together providing indoor environmental quality and comfort in houses and buildings in addition to protecting food and perishables in transportation, and increasing industrial productivity and efficiency. Trane solutions optimize indoor comfort and industrial processes with a broad portfolio of energy efficient systems and products for homes, businesses and industry, including parts and components, building automation and services.

For more information visit: www.ingersollrand.com and www.trane.com.br

©2014 Trane All rights reserved
 PKG-SLB004D-EN April 2014
 Replaces PKG-SLB004C-EN November 2013

We are committed to environmentally friendly printing practices that reduce waste.



Trane has a policy of continuous improvement of products and product data and reserves the right to alter designs and specifications without notice.