



# intarPACK

*chiller*

*Air-cooled chillers, designed for refrigeration applications with glycol water and brine.*

*intarPACK chiller series covers compressor power from 7,5 to 60 HP at positive and negative temperature ranges.*

*intarPACK chillers have been developed for outdoor installation, to operate under extreme ambient conditions, featuring acoustic insulated components for lower noise level.*

- ✦ High power in a compact design.
- ✦ Tropicalised design for ambient temperature up to 45 °C.
- ✦ Acoustic isolated hermetic compressors.
- ✦ Minimum maintenance needs, with easy access through folding panels.
- ✦ Inbuilt brazed plates heat exchanger.
- ✦ Operation with glycol water and brine..
- ✦ Inbuilt hydraulic circuit (as an option).

# intarPACK

## chillers

### Description

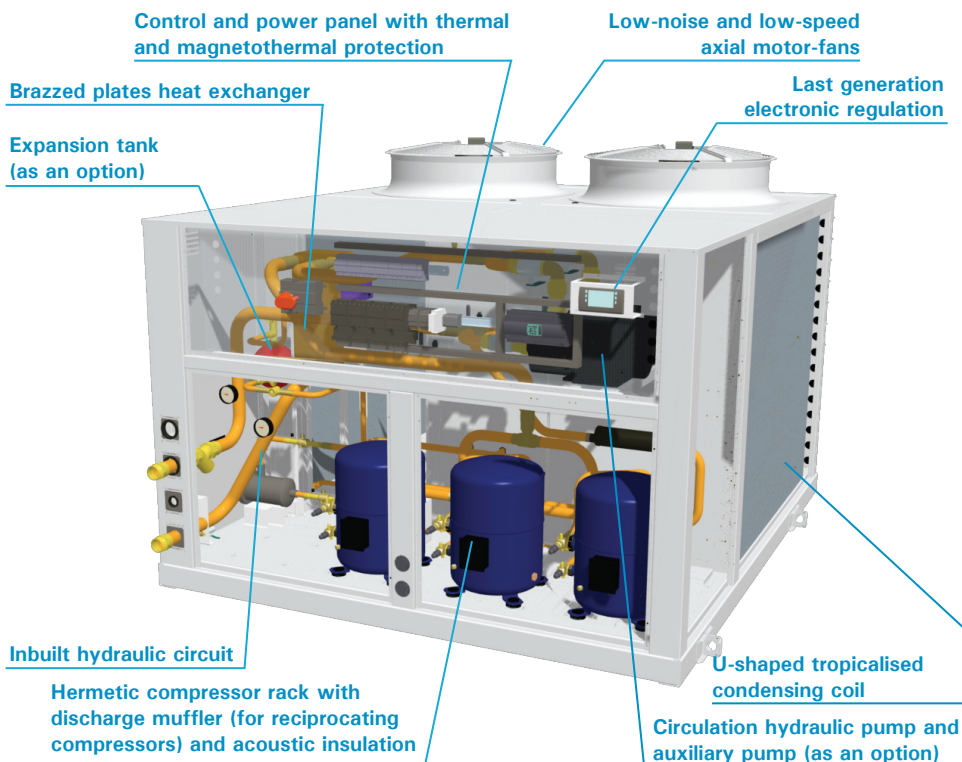
Air-condensed chillers for refrigeration applications with glycol water or brine, low noise operation and compact construction in a galvanised steel shell with polyester coating for outdoor installation.

### Features

- 400V-III-50Hz power supply.
- R-404A refrigerant.
- Hermetic reciprocating or scroll compressors, with noise insulation, with rotalock service valves, discharge muffler (for reciprocating compressor models), mounted on shock absorbers, with internal klixon, anti back-flow valves and crankcase heater.
- Large area U-shaped condensing coil, in copper pipes and aluminium fins, tropicalised for ambient temperature up to 45 °C.
- Low-speed electronic axial motor-fans (excepto for series 1) with low energy consumption, avec internal protection, mounted on nossles, dynamically balanced blades and external protection grille.
- Proportional control of condensing pressure.
- Brazzed plates heat exchanger featuring inox plates with copper welding, with anti-freezing heater.
- Refrigeration circuit with one or two suction line/s, built in copper piping with high and low pressure switches, pressure transducers, service valves, thermostatic expansion valve, dehydratant ceramic filter and sight glass.
- Hydraulic circuit built in copper piping with flow switch, temperature and pressure gauge, air vent and draining valve. thread connection up to 2 1/2" and DN80 bridle connection from 3".
- Full control and power panel, with thermal and magnetothermal protection for compressor/s, fan/s and water pump.
- Electronic regulation with 4 power stages and glycol inlet temperature set point, HP and LP transducers, anti-freezing protection and digital control keyboard.

### As an option

- Defrosting cycle of air blowers by glycol heating.
- Freecooling.
- Inbuilt hydraulic system with circulation hydraulic pump (auxiliary hydraulic pump as an option), service valves, anti back-flow valves, expansion tank, safety valve, mesh filter, air vent and draining valve.
- Buffer tank with differential pressure valve (page 99).
- Hydraulic variable displacement pump for secondary circuit (page 99).
- Anticorrosion coil coating.
- External communication by ModBus protocol and RS485 connection.



### Brazzed plates heat exchanger

intarPACK chillers feature a heat exchanger made in inox plates with copper brazing.



### Topicalised U-shaped condensing coil

intarPACK chillers feature a large area U-shaped condensing coil to guarantee the proper operation of the unit under high ambient temperature

