

RACA 20 ÷ 250 BT

Low Temperature



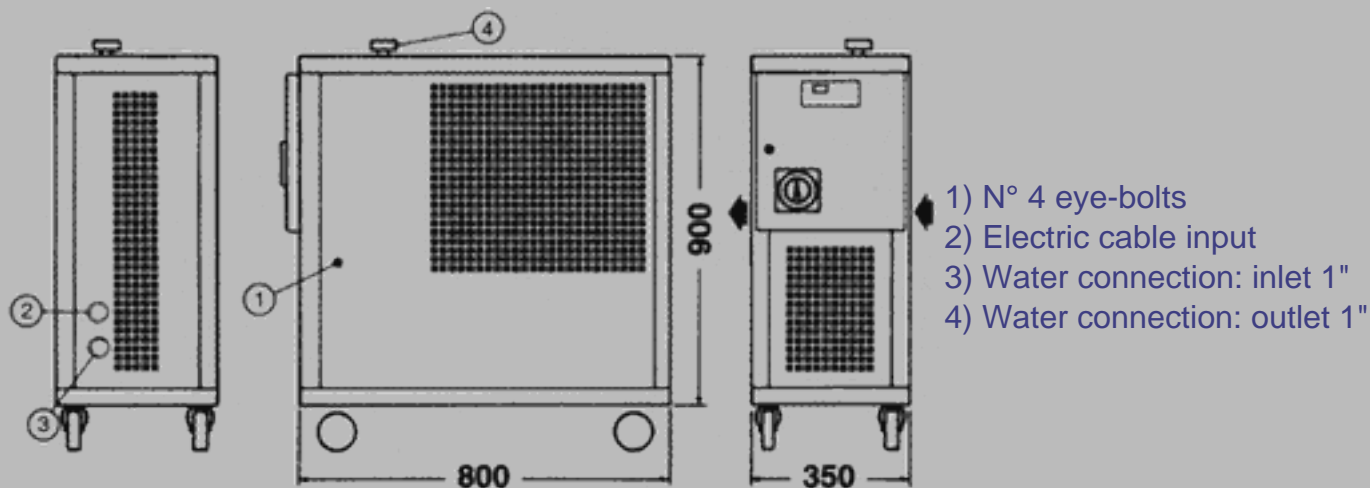
RACA 20 ÷ 250 BT

Water chiller for low fluid temperature, using unfreezing solutions down to -30°C the b.t. chillers are manufactured with all the necessary controls for temp. setting and for correct operations. The correct choice of all components and especially the right thermal insulation, give to this product a very good reliability as for all the frigosystem chillers. All RACA b.t. chillers stay for 10 hours under test at all the worst conditions.

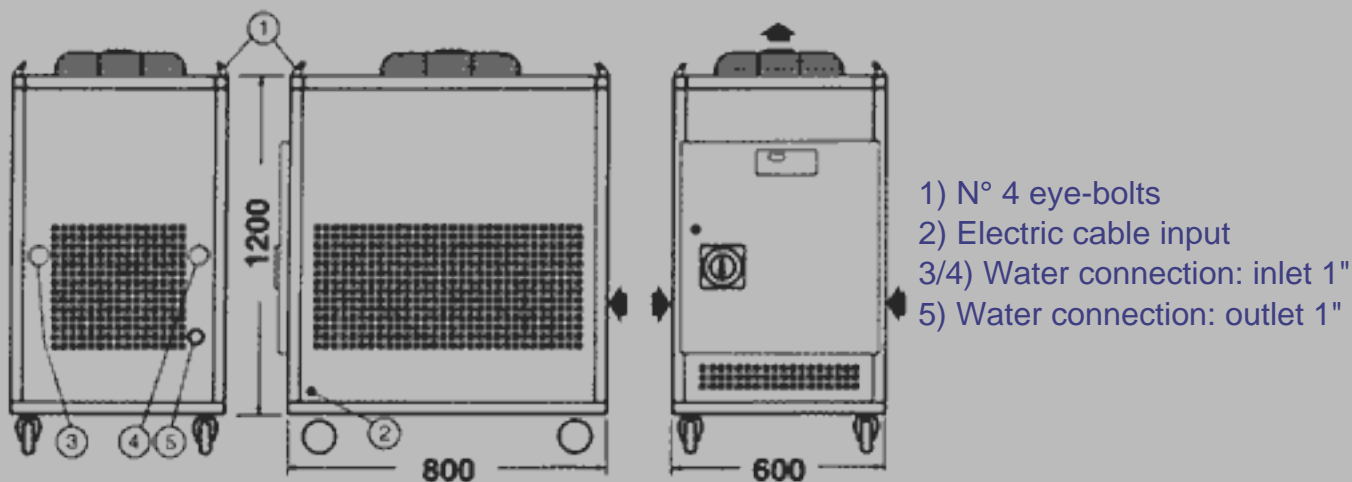
CONSTRUCTIVE FEATURES

- Disassemblable steel sectioned frame
- Cut and bent steel plate external panelling, stove enamelled
- Electrical board IP44
- Water level indicator for the storage tank
- Threaded connections for connecting up to the user plant
- Complete power plant mounted on rotary wheels in order to facilitate the moving about manoeuvres
- Large-surfaced built-in air condenser, complete with motor-fan, made with copper tubes and aluminium fins
- Dry expansion type water chiller evaporator
- One of the best hermetic compressor
- Chilled water storage tank, made in stainless steel
- Centrifugal pump for circulating the chilled water to and from the user
- Anti-frost probe, situated on the water outlet
- Digital microprocessor controller for commands, temperature adjustment and safety alarms
- Differential pressure switch for protecting the chilled water circuit against irregular operating pressures

RACA 20 BT



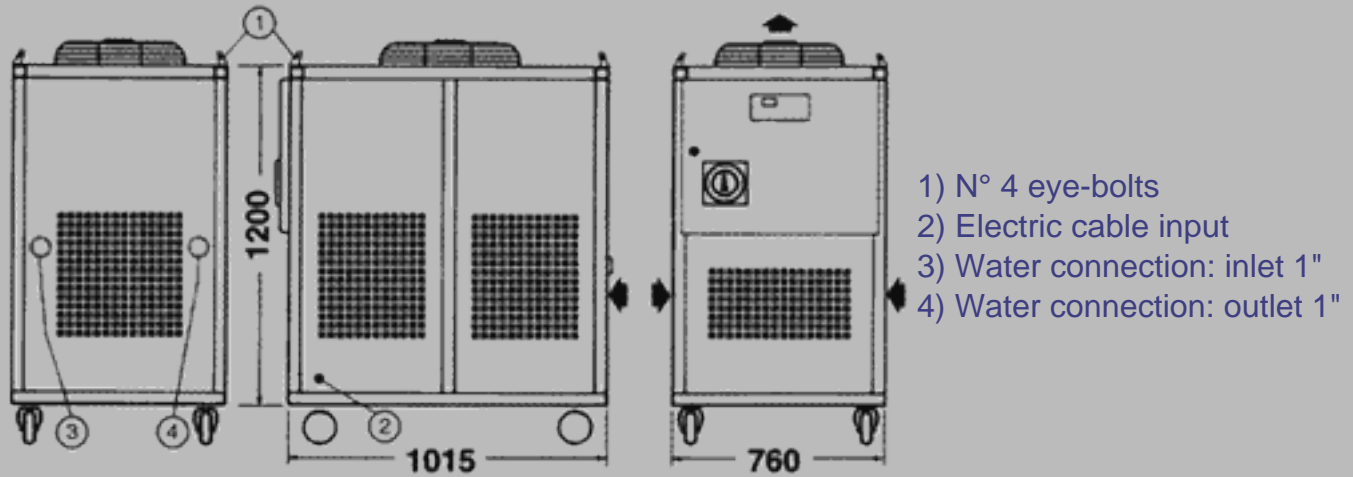
RACA 40 ÷ 65 BT



technical details

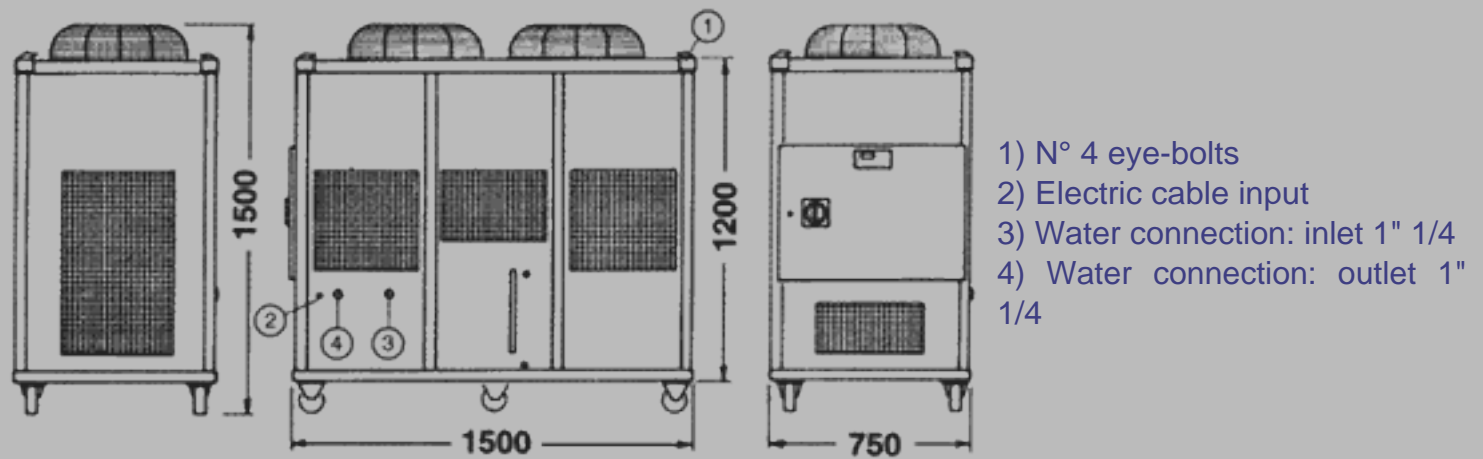
| Model | Glicol temperat. A0° C | Glicol temperat. A -10° C | Glicol temperat. A -20° C | Glicol temperat. A -30° C | Pump pressure | Pump flow | | Electric absorption |
|---------------|------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------|-----------|----------|------------------------|
| | kW | kW | kW | kW | | A -10° C | A +10° C | |
| RACA 20 BT | 3,7 | 2,65 | 2,3 | 1,2 | 2/3 | 7,5 | 20 | 2,1 |
| RACA 40 BT | 6,5 | 4,3 | 3,2 | 1,8 | 2/3 | 12,5 | 30 | 3,4 |
| RACA 65 BT | 10,2 | 6,7 | 5 | 3,4 | 2/3 | 19 | 40 | 6,7 |
| RACA 80 BT | 15,1 | 9,2 | 7,3 | 4,2 | 2/3 | 27 | 60 | 8,3 |
| RACA 120 BT | 20 | 12,7 | 9,5 | 6,1 | 2/3 | 36 | 80 | 11,8 |
| RACA 150 BT | 25,8 | 17 | 14,2 | 8,5 | 2/3 | 50 | 100 | 15 |
| RACA 170 S BT | 31,5 | 23,6 | 18,3 | 12,7 | 2/3 | 69 | 130 | 19,8 |
| RACA 250 S BT | 45 | 29,7 | 21,2 | 17,2 | 2/3 | 87 | 230 | 31 |

RACA 80 BT



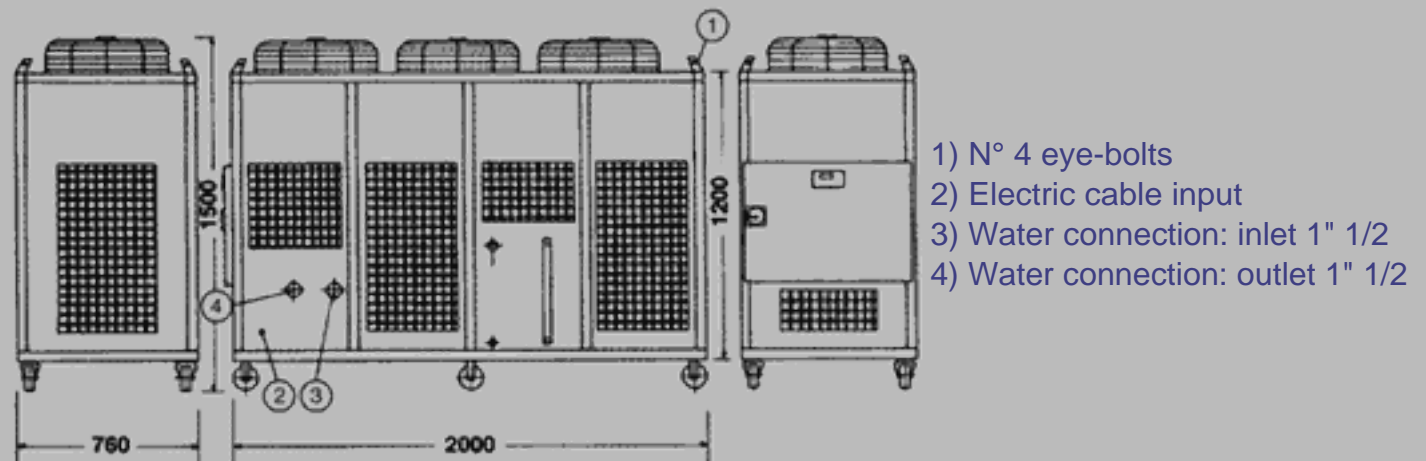
- 1) N° 4 eye-bolts
- 2) Electric cable input
- 3) Water connection: inlet 1"
- 4) Water connection: outlet 1"

RACA 120 BT



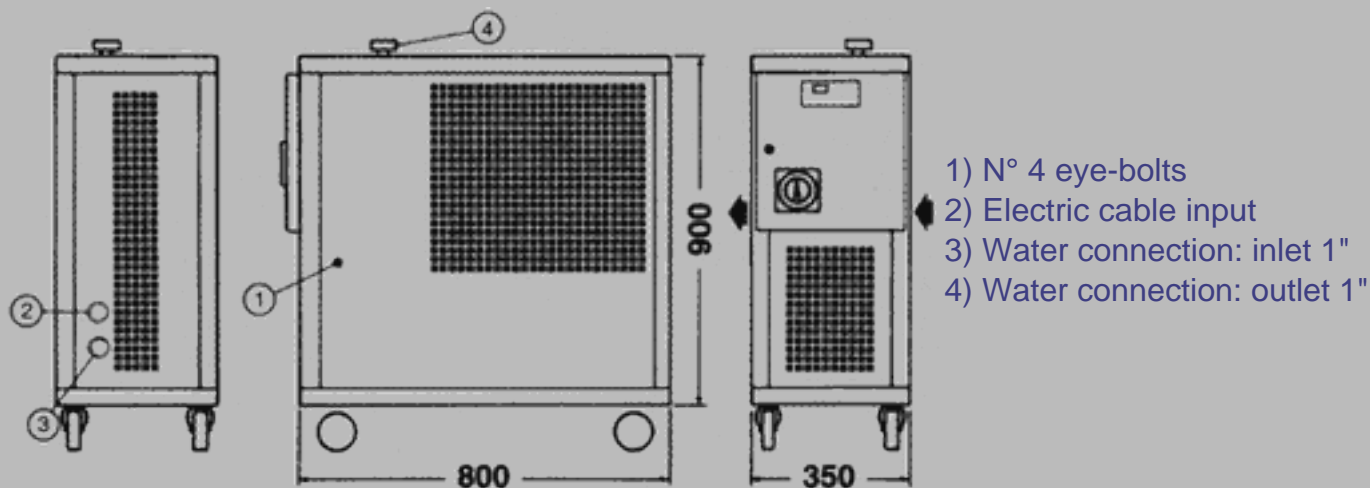
- 1) N° 4 eye-bolts
- 2) Electric cable input
- 3) Water connection: inlet 1" 1/4
- 4) Water connection: outlet 1" 1/4

RACA 150 ÷ 250 BT



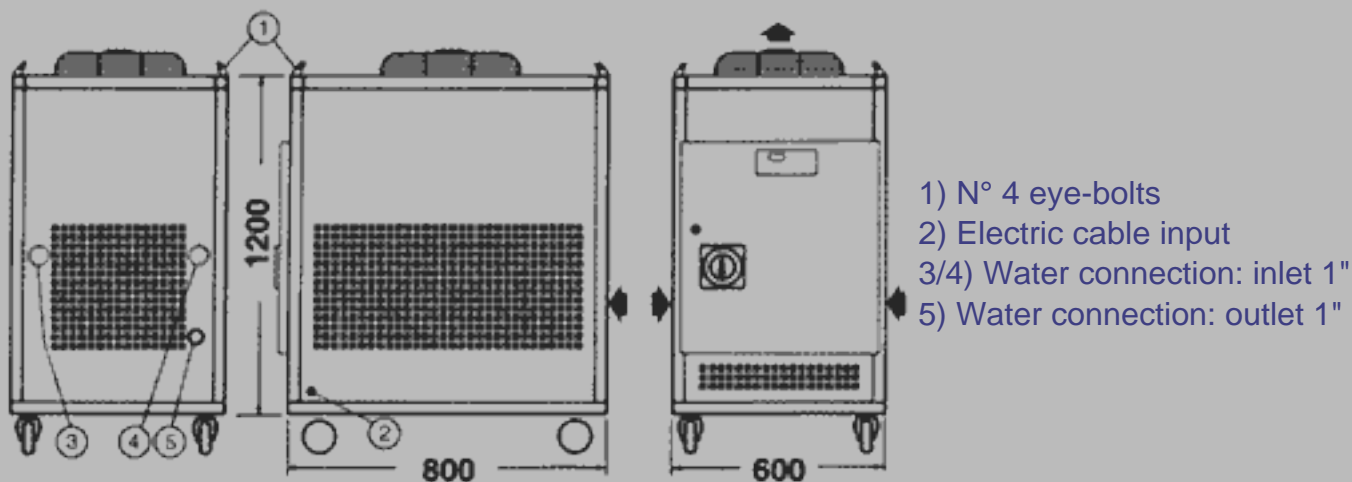
- 1) N° 4 eye-bolts
- 2) Electric cable input
- 3) Water connection: inlet 1" 1/2
- 4) Water connection: outlet 1" 1/2

RACA 20 BT



- 1) N° 4 eye-bolts
- 2) Electric cable input
- 3) Water connection: inlet 1"
- 4) Water connection: outlet 1"

RACA 40 ÷ 65 BT

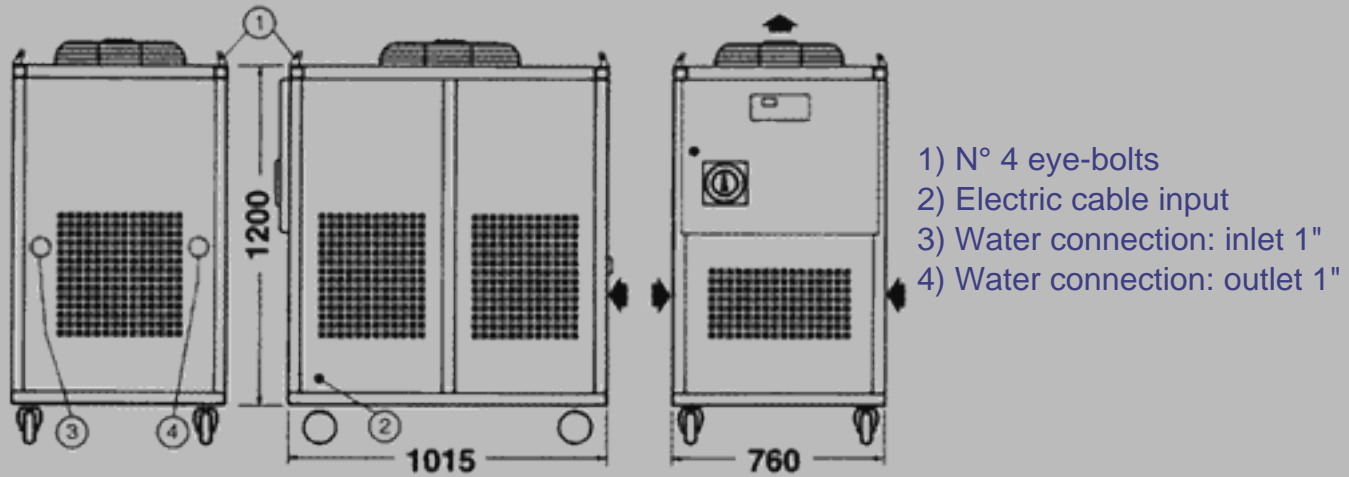


- 1) N° 4 eye-bolts
- 2) Electric cable input
- 3/4) Water connection: inlet 1"
- 5) Water connection: outlet 1"

technical details

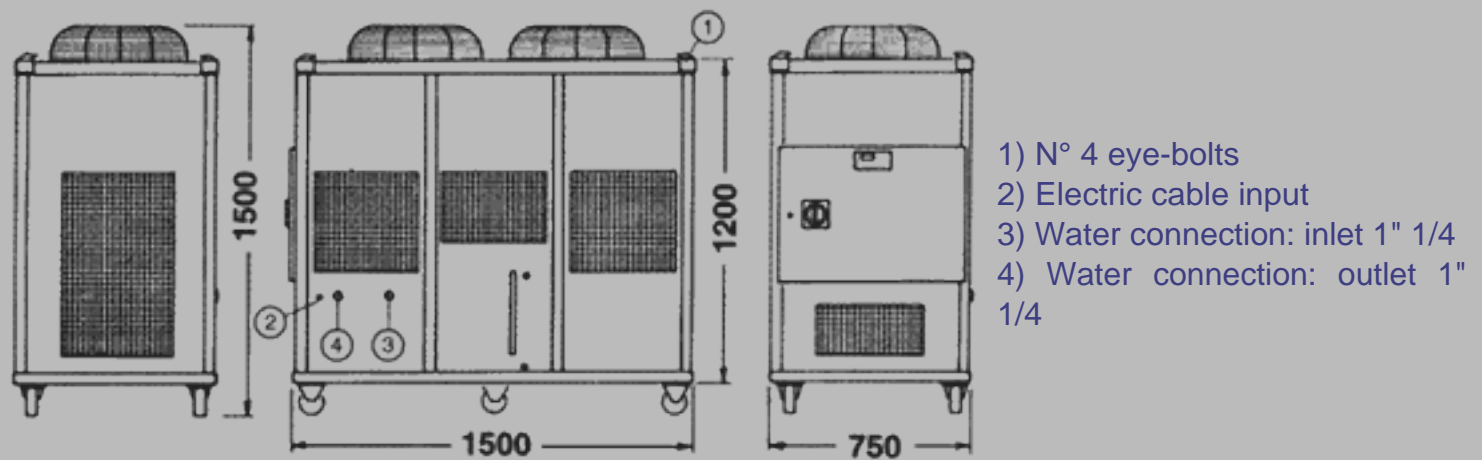
| Model | Glicol temperat. A0° C | Glicol temperat. A -10° C | Glicol temperat. A -20° C | Glicol temperat. A -30° C | Pump pressure | Pump flow | | Electric absorption |
|---------------|------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------|-----------|----------|------------------------|
| | kW | kW | kW | kW | | Bar | A -10° C | |
| RACA 20 BT | 3,7 | 2,65 | 2,3 | 1,2 | 2/3 | 7,5 | 20 | 2,1 |
| RACA 40 BT | 6,5 | 4,3 | 3,2 | 1,8 | 2/3 | 12,5 | 30 | 3,4 |
| RACA 65 BT | 10,2 | 6,7 | 5 | 3,4 | 2/3 | 19 | 40 | 6,7 |
| RACA 80 BT | 15,1 | 9,2 | 7,3 | 4,2 | 2/3 | 27 | 60 | 8,3 |
| RACA 120 BT | 20 | 12,7 | 9,5 | 6,1 | 2/3 | 36 | 80 | 11,8 |
| RACA 150 BT | 25,8 | 17 | 14,2 | 8,5 | 2/3 | 50 | 100 | 15 |
| RACA 170 S BT | 31,5 | 23,6 | 18,3 | 12,7 | 2/3 | 69 | 130 | 19,8 |
| RACA 250 S BT | 45 | 29,7 | 21,2 | 17,2 | 2/3 | 87 | 230 | 31 |

RACA 80 BT



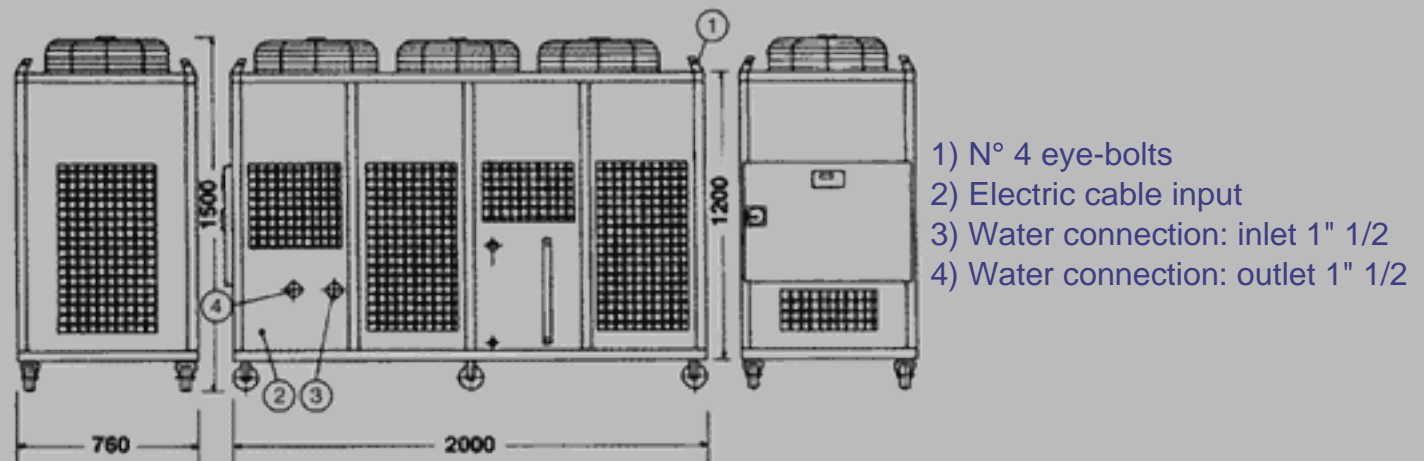
- 1) N° 4 eye-bolts
- 2) Electric cable input
- 3) Water connection: inlet 1"
- 4) Water connection: outlet 1"

RACA 120 BT



- 1) N° 4 eye-bolts
- 2) Electric cable input
- 3) Water connection: inlet 1" 1/4
- 4) Water connection: outlet 1" 1/4

RACA 150 ÷ 250 BT



- 1) N° 4 eye-bolts
- 2) Electric cable input
- 3) Water connection: inlet 1" 1/2
- 4) Water connection: outlet 1" 1/2