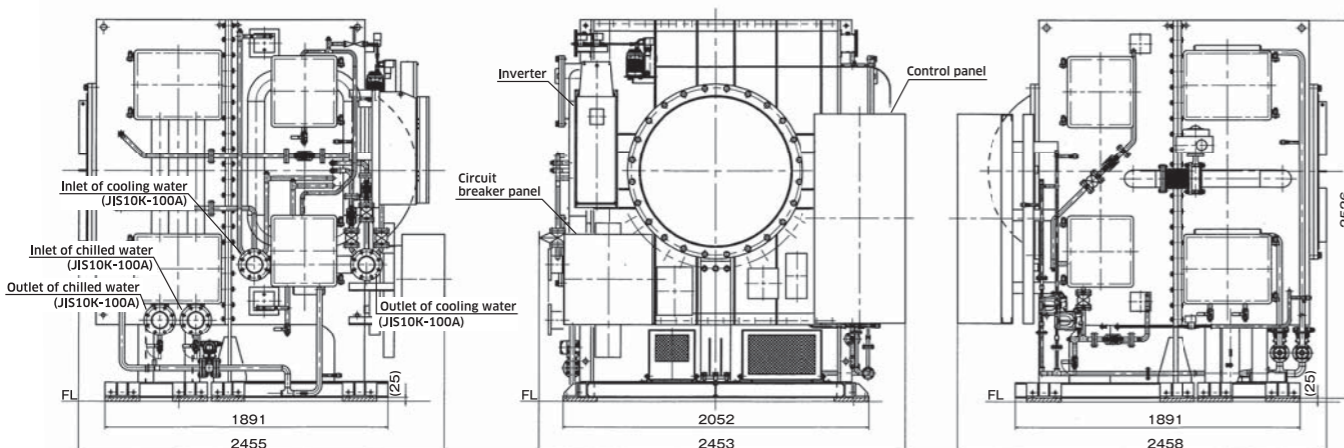


Dimension



Specification

| | | |
|-------------------|--------------------|---------------------------|
| Model | - | KMTR-100 |
| Specification | USRT | 100 |
| | kW | 352 |
| Input power | kW | 69 |
| Rating of Motor | kW | 110 |
| Chilled water | Inlet temperature | °C 12 |
| | Outlet temperature | °C 7 |
| | Flow rate | m ³ /h 60.5 |
| | Pressure loss | kPa 80 |
| Flange size | - | JIS10K-100A |
| Cooling water | Inlet temperature | °C 30 |
| | Outlet temperature | °C 35 |
| | Flow rate | m ³ /h 74.4 |
| | Pressure loss | kPa 80 |
| Flange size | - | JIS10K-100A |
| Shipping weights | t | 7.5 |
| Operating weights | t | 8.0 |
| Refrigerant | - | R718(Water) |
| Supply voltage | - | 3φ, 400V/440V (50Hz/60Hz) |
| Refrigerant pump | kW | 0.2 |
| Vacuum pump | kW | 0.05 |

Fouling factor : Cooling water 0.000086m²K/W(0.0001m²h°C/kal),
Chilled water 0.000043m²K/W(0.00005m²h°C/kal)

Standard Delivery Items

| Item | | Scope of supply | Out of scope | Remarks |
|---------------------------|-----------------------|-----------------|--------------|---|
| Main unit | Compressor | ○ | | |
| | Motor | ○ | | |
| | Heat exchanger | ○ | | Evaporator/Condenser/Intercooler |
| | Inverter | ○ | | |
| | Control Panel | ○ | | Operating panel |
| | Protection device | ○ | | |
| Accessories | Spare parts | ○ | | |
| | Refrigerant | ○ | | Initial fill ration |
| Factory testing | | ○ | | |
| Shipping and Installation | Shipping | ○ | | Free on truck |
| | Discharge | | ○ | |
| | Horizontal piling | | ○ | |
| | Installation | | ○ | |
| | Storage | | ○ | Storage management after delivery is out of scope |
| Operating Instruction | Start up and check | ○ | | |
| | Operating Instruction | ○ | | |
| Ancillary work | Electrical work | | ○ | |
| | Piping work | | ○ | |
| | Foundation work | | ○ | |
| Others | | | ○ | Electricity and water for commissioning should be provided for free |

Blower Section
Turbo Machinery Sales Department
Machinery Division

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Caution for security

Please read the User Manual before operation for secure use.
Wrong operation may result in fatal accident such as fire accident, electrical shock, machine breakdown.

Kawasaki Water-Refrigerant Centrifugal Chiller

Kawasaki Heavy Industries, Ltd. developed the centrifugal chiller which utilizes water(R718) as a refrigerant. HFCs are unnecessary.



The product is exempted from High Pressure Gas Safety Act.

Features

Water refrigerant

Kawasaki uses ultimate natural refrigerant "Water(R718)" (Ozone depleting potential is zero, no greenhouse gas emission, non-combustible and nontoxic.)

High Efficiency

Comparable performance to HFC chiller by developing highly efficient and high pressure ratio compressor under a vacuum condition. The product is certified by Ministry of the Environment, Government of Japan. "L2-Tech(Leading Low Carbon Technology)"

Compact

Replacement of existing turbo chiller is enable due to its compactness.