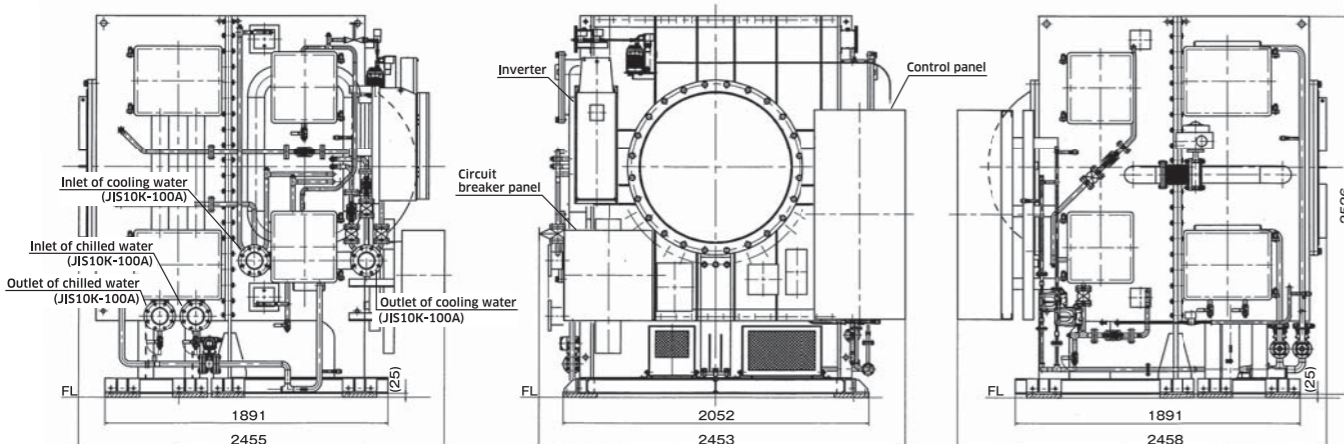


Dimension



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

Kawasaki Heavy Industries, Ltd.

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E-mail : miyata_hirofumi@khi.co.jp
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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.