



CH-MG 150

Specifications:

Direct fired absorption chiller heater with H₂O/LiBr solution
 System functionality provides Cooling & Heating
 with an automatic control mode
 Utilizing Natural Gas



ITEM		MODEL		CH-MG150	
Cooling Capacity				kW	527
Heating Capacity				kW	429
Chilled Water and Hot Water	Chilled Water Temperature	Inlet	°C	12.0	
		Outlet	°C	7.0	
	Hot Water Temperature	Inlet	°C	56.0	
		Outlet	°C	60.0	
	Evaporator Pressure Loss(Max) *3		kPa	72.3	
	Max Operating Pressure		kPa	785	
	Rated Water Flow		L/sec	25.2	
			m ³ /hr	90.7	
Water Retention Volume		L	180		
Cooling Water	Heat Rejection		kW	892	
	Cooling Water Temperature	Inlet	°C	29.5	
		Outlet	°C	34.6	
	Abs.&Cond.Pressure Loss(Max) *3		kPa	51.8	
	Max Operating Pressure		kPa	785	
	Rated Water Flow		L/sec	41.6	
			m ³ /hr	149.8	
Water Retention Volume		L	430		
Fuel	Type of fuel		Natural Gas		
	Consumption	Cooling	kW	440	
		Heating	kW	517	
Electrical	Power Supply		kPa		400VAC 50Hz 3ph. & Neutral
	Capacity		kVA		3.10
	Control	Cooling		35%-100% Proportional Control	
		Heating		30%-100% Proportional Control	
Combustion	Type		Forced draft(Proportional control)		
	Ignition		Electric intermittent spark		
	Flame detection		Flame rectification(Flame rod)		
Dimension	Width	mm		1,862 (1,951)	
	Depth	mm		3,663	
	Height *2	mm		2,240 (2,763)	
Piping	Chilled Water		A	100	
	Cooling Water		A	125	
	Gas supply		A	40	
Weight	Dry Weight		kg	5,600	
	Operation Weight		kg	6,210	

*1. Power consumption of Chiller Only. (excluding recirculating pumps and cooling tower fan)

*2. Dimension in () include fixed plate and vent cap.

*3. Specification are subject to change without prior notice.

*.Fuel consumption is calculated based on higher heating value : 46,047 kJ / Nm³

Item	Piping Connection	Remarks
Chilled-Hot Water Inlet	100A	Flange
Chilled-Hot Water Outlet	100A	Flange
Cooling Water Inlet	125A	Flange
Cooling Water Outlet	125A	Flange
Fuel Inlet	40A	Flange

Note)

1. Please secure minimum space for equipment maintenance:
left/right 0.7m front/back 1.0m. Above 1.0m
2. Wire inlets are on both left and right sides.
3. Please secure required tubing service space.
4. All dimensions are in mm.

