



## CH-MG 150

### Specifications:

Direct fired absorption chiller heater with H<sub>2</sub>O/LiBr solution  
 System functionality provides Cooling & Heating  
 with an automatic control mode  
 Utilizing Natural Gas



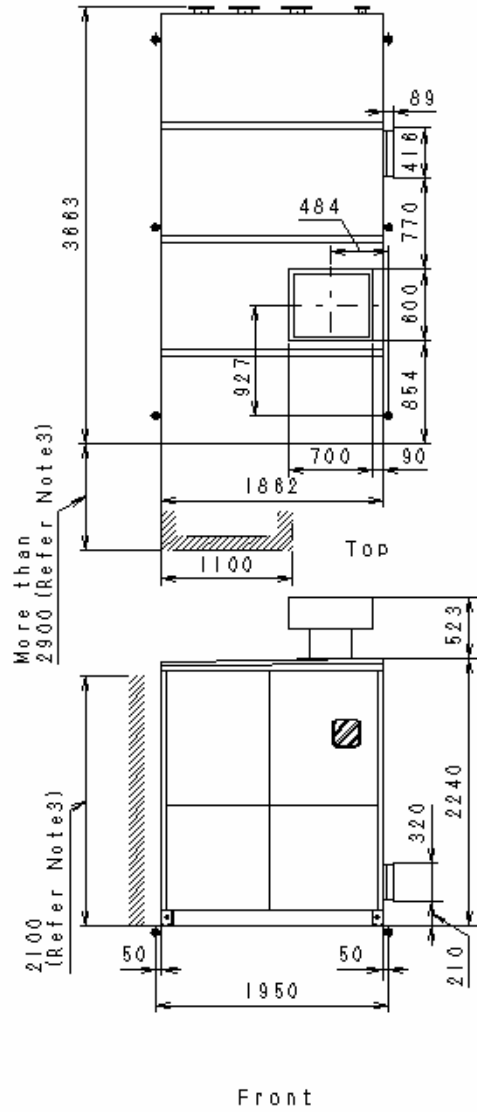
ITEM		MODEL		CH-MG150	
Cooling Capacity				kW	527
Heating Capacity				kW	429
Chilled Water and Hot Water	Chilled Water Temperature	Inlet	°C	12.0	
		Outlet	°C	7.0	
	Hot Water Temperature	Inlet	°C	56.0	
		Outlet	°C	60.0	
	Evaporator Pressure Loss(Max) *3		kPa	72.3	
	Max Operating Pressure		kPa	785	
	Rated Water Flow		L/sec	25.2	
			m <sup>3</sup> /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 <sup>3</sup> /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 / Nm<sup>3</sup>



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.

