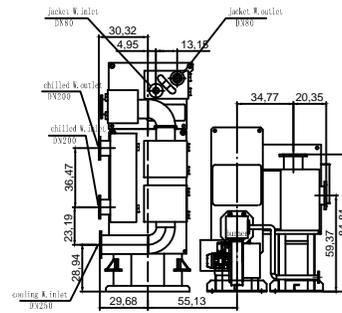


FRONT VIEW



SIDE VIEW

1. SPECIFICATION DATA

MODEL	TMAR-YD140-J	
LOCATION	INDOOR, NON-HAZARDOUS	
APPLIED STANDARD	ARI-560	
COOLING CAPACITY	RT	400
	kW	1407
TURN DOWN RATIO	100-20/PROPORTIONAL UNDER 20/ON-OFF	
CHILLED WATER		
MEDIUM	FRESH WATER	
INLET/OUTLET TEMP.	12 → 7 °C	
FLOW RATE	242 m ³ /hr	
MAX. WORKING PRESSURE	1.0 MpaG (10.2 kgf/cm ² G)	
FOULING FACTOR	m ² K/Kw	0.086
	m ² h °C/kcal	0.0001
PRESSURE DROP	80 kPa	
COOLING WATER		
MEDIUM	FRESH WATER	
INLET/OUTLET TEMP.	32 → 37 °C	
FLOW RATE	412 m ³ /hr	
MAX. WORKING PRESSURE	1.0 MpaG (10.2 kgf/cm ² G)	
FOULING FACTOR	m ² K/Kw	0.086
	m ² h °C/kcal	0.0001
PRESSURE DROP	80 kPa	
EXHAUST		
EXHAUST SOURCE 1 INLET TEMP	°C	454
EXHAUST SOURCE 1 FLOWRATE	kg/hr	3172
EXHAUST SOURCE 2 INLET TEMP	°C	454
EXHAUST SOURCE 2 FLOWRATE	kg/hr	3172
EXHAUST OUTLET TEMP	°C	170
EXHAUST PRESSURE DROP	kPa	1.7
HOT WATER		
MEDIUM	FRESH WATER	
INLET/OUTLET TEMP. SOURCE	88 → 78 °C	
FLOW RATE 1	311 L/min	
INLET/OUTLET TEMP. SOURCE	88 → 78 °C	
FLOW RATE 2	311 L/min	
PRESSURE DROP	60 kPa	

NATURAL GAS

PRESSURE	Psig	0.7-4.3
FUEL LOW CALORIFIC VALUE	Btu/ft ³	970
FUEL CONSUMPTION COOLING	ft ³ /h	3500
ELECTRICAL DATA		
POWER SOURCE	V x Hz	460V x 60Hz with transformer for control circuit
POWER CONSUMPTION	kw	10
FLANGE CONNECTION		
FLANGE TYPE	Standard English Unit Flange	
CHILLED WATER	mm	150
COOLING WATER	mm	200
EXHAUST	mm	250 * 2 (two DN250 2-way exhaust valves for each exhaust inlet, totally 4 DN250 valves for two exhaust inlets.)
HOT WATER	mm	65 * 2
RUPTURE DISK	mm	50
TOTAL SHIPPING WEIGHT	ton	16.3
MAX. PIECE SHIPPING WEIGHT	ton	13.8
APPROX OPERATING WEIGHT	ton	17.8
DIMENSION (L*W*H)	mm * mm * mm	5500 * 3800 * 3100

- Note: 1, Tube for evaporator is copper.
2, Tube for condenser and absorber is Ti.
3, Tube for exhaust is 10# CS.
4, Tube for natural gas generator is 10# CS.
5, Cold/heat insulation excluded.
6, Hot water regulation valve included.
7, Exhaust regulation valves included.