

Item	Unit	TU-100R	TU-200R	TU-300R	TU-500R	TU-500PR	
Type of Boiler	—	Once-Through Boiler					
Max. Pressure	MPa(kgf/cm ²)	0.69 (7)	0.98 (10)				
Working Pressure Range	MPa	0.39~0.59		0.39~0.88			
Hydraulic Testing Pressure	MPa(kgf/cm ²)	1.2 (12.1)	1.58 (16)				
Equivalent Evaporation	kg/h	100	200	300	500	500	
Heat Output	kW(kcal)	62.7 (53,900)	125 (108,000)	188 (162,000)	313 (270,000)	313 (270,000)	
Boiler Efficiency	%	87			85	91	
Heating Surface Area	m ²	2.83	3.89	4.95	4.98		
Holding Water Volume	L	38	53	63	82		
Type of Burner	—	Forced Draft, Pressure Spray					
Combustion Control	—	ON-OFF					
Feed Water Control	—	ON-OFF					
Ignition	—	AC Spark Ignition					
Dry Weight	kg	250	370	470	560	665	
Weight in Operation	kg	290	425	535	645	755	
External Dimensions	Width	794	933	965	1,029	1,029	
	Depth	619	777	896	1,047	1,256	
	Height	1,604	1,644	1,805	1,936	1,936	
Fuel Consumption	Kerosene	L/h	7.5	14.9	22.4	38.2	35.6
	Heavy Oil A	L/h	—	14.1	21.2	36.2	33.8
Power Supply	—	AC100V 1φ (50/60Hz)*	AC200V 3φ (50/60Hz)*				
Available Electricity	Kerosene	kW	Normal Temperature:0.35 High Temperature:0.40	1.20		1.90	
	Heavy Oil A	kW	—	1.25		1.95	
Total Electric Capacity	Kerosene	kVA	Normal Temperature:0.58 High Temperature:0.75	Normal Temperature:1.85 High Temperature:1.89		2.76	
	Heavy Oil A	kVA	—	Normal Temperature:1.90 High Temperature:1.94		2.81	
Description	Fan Motor	kW	0.07	0.4		0.75	
	Feed Water Pump Motor	kW	Normal Temperature:0.15 High Temperature:0.20	0.4		0.75	
	Nozzle Heater (A only)	kW	—	0.05			
	For Control	kW	0.1	0.4			
Main Wire Size	mm ²	2					
Power Breaker Capacity	A	15			20		
Connection Dia.	Feed Water Inlet	—	Normal Temperature:15A High Temperature:20A		Normal Temperature:20A High Temperature:20A		
	Oil Inlet	—	8A			15A	
	Steam Outlet	—	20A	25A		32A	
	Safety Valve Blow	—	20A		25A	32A	
	Boiler Water Blow	—	25A				
	Feed Water Tank Overflow	—	20A		25A		
	Air Intake	—	15A				
	Economizer Drain	—	—				25A
	Chemical Inlet	—	15A				
Chimney	mm	φ150	φ200	φ250			

- The above specifications are based on the following standard values in Japan.
 - Steam pressure 0.49 MPa (5 kgf/cm²)
 - Feed water temp. 15°C
 - Feed air temp. 35°C
 - Lower heating value Kerosene: 34.8 MJ/L (8,310 kcal/L)
 - Heavy Oil A: 36.7 MJ/L (8,770 kcal/L)
- The following allowance is considered as unavoidable measurement error.
 - ◎Measurement error in boiler efficiency ±2%
 - ◎Measurement error in combustion (input) ±3.5%
- Specifications are subject to change without prior notice.
 - * 200—480V can be available by transformer.