

Process Heating Systems



STEAMJET

3 PASS, Smoke tube type Wet Back Packaged Oil/Gas Fired Boiler

Capacity Range
1TPH-15 TPH

Standard Design Pressure
10.54 & 17.5 kg/cm²g



Technical Specifications

DESCRIPTION	UNITS	SJ-10	SJ-15	SJ-20	SJ-30	SJ-40	SJ-50	SJ-60	SJ-80	SJ-100
Boiler Type		Three pass wet back smoke tube boiler								
Design Code		IBR 1950 (With latest amendment)								
Steam Output F & A 100° C	kg / hr	1000	1500	2000	3000	4000	5000	6000	8000	10000
Design Pressure	kg / cm ² (g)	10.54								
Safety Valve Set Pressure *	kg / cm ² (g)	10.54								
Thermal Efficiency on NCV (L.D.O)	%	89 % (as per BS 845 Part - 1)								
Thermal Efficiency on NCV (NG/GAS)	%	88.5 % (as per BS 845 Part - 1)								
Dryness Fraction	%	98								
Heat Output	106kcal/hr	0.54	0.81	1.08	1.62	2.16	2.70	3.24	4.32	5.39
Heating Surface	m ²	25	37	45	69	90	107	131	165	193
FUEL										
Type		LDO / HSD / Natural Gas								
NCV of Light oil	kcal/kg	10200 (Min)								
NCV of Natural Gas	Kcal/Nm ³	8500								
BURNER										
Type		UNIGAS BURNER								
Type		Mono - bloc								
Fuel Supply Pressure(Oil)	kg/cm ² g	20-25								
Fuel Supply Pressure(Gas)		360 mbar / 1-2 bar			500 mbar / 1-2 bar					
Modulation Type		Step(Two stage)			Stepless					
Cumbustion Blower motor	KW	1.5	2.2	4.0	5.5	7.5	7.5	11	11	18.5
Fuel pump motor	KW			1.5	1.5	1.5	1.5	1.5	2.2	4.0
FEED WATER PUMP										
Type		Centrifugal Multistage - Vertical								
Flow	m ³ /hr	2.7			5.2		6.75		11	
Head	MLC	120								
Speed	RPM	2900								
Motor KW	KW	2.2	2.2	2.2	3.0	3.0	4.0	4.0	5.5	5.5
Power		415 Volts + 6% ; 50 Hz + 3% ; 3 Ph,3 / 4 Wire								
Control		240 Volts AC, Single Phase								
Control Panel Load	KW	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Connected Load (excl stand-bys)	KW	4.20	4.90	8.20	10.50	12.50	13.50	17.00	19.20	28.50

Note : In view our constant endeavors to improve of our products, we reserve the right to alter or change specification without prior notice



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