

TECHNICAL DETAILS	
TYPE OF BOILER	HORIZONTAL STATIONARY FWB / PACKAGE TYPE
DESIGN CODE	IBR 1950 with latest amendments
INSPECTING AUTHORITY	DOB, GUJARAT STATE
SAFETY VALVE SET PRESSURE	10.54 kg/cm ²
STEAM CONDITION	DRY SATURATED UP TO 98%
THERMAL EFFICIENCY (GCV)	85% ± 2
FLUE GAS TEMP.	220°C
MAX. EVAP. CAP. F & A. 100° C	1000 kg/hr
MODEL	IM10G
FLUE GAS OPENING	300 mm
HEAT TRANSFER AREA	33 m ²
WATER SPACE	2.4 m ³
STEAM SPACE	0.65 m ³
TOTAL ELECTRICAL LOADING	11 kW
FUEL CONSUMPTION ON GCV. LPG	58 m ³ /hr
OVERALL DIMENSIONS	
	LENGTH 2750 mm
	WIDTH 2100 mm
	HEIGHT 2250 mm
SHIPPING WEIGHT (UN PACKED)	7500 kg

FEED WATER PUMP	
NO OF FEED PUMP SET	2 Sets
TYPE	Multistage, Centrifugal Type
CAPACITY	1500 Litter
RPM	1450
POWER CONSUMPTION	3.75 kW

RECOMMENDED FEED WATER QUALITY	
TOTAL HARDNESS AS CaCO_3	Less than 5 PPM
pH VALUE	8.5 to 9.5
OIL CONTENT	5 mg/Lt.
OXYGEN (PPM)	0.2
FREE CARBON DIOXIDE	0
TDS	Less than 200

RECOMMENDED BOILER WATER QUALITY	
TOTAL HARDNESS	Less than 200 PPM
pH VALUE	10.5 TO 11 PM
TOTAL DISSOLVED SOLID	Less than 3500

RECOMMENDED FUEL	
VISCOSITY	50° Edgler AT 53 cst
GROSS CALORIFIC VALUE LPG	11000 kcal/m ³