

Thermax introduces the highest capacity & most efficient S-IBR boiler yet...

SUPERMAX PLUS- iSX

HIGHEST CAPACITY

At 1,000 and 1,250 kg/hr, Supermax Plus is the new benchmark in non-IBR boiler capacity, surpassing the existing 850 and 600 kg/hr S-IBR boilers by a whopping 50%.



HIGHEST EFFICIENCY - 92%

External air preheater, in addition to jacket preheating, results in the highest efficiency ever achieved in a coil type S-IBR boiler.



Rebiability

Increased tube Diameter increases the overall water holdup & reduces choking frequency.

ENHANCED BURNER ASSEMBLY

is capable of operating at higher preheat temperatures up to 230 deg C. This ensures total combustion, diminished sooting and contributes to higher equipment efficiency.



MODULATION

ensures higher efficiency at part loads, and avoids frequent start and stop operations. This imparts longer life to coil and electrical components.

THERMODYNAMICALLY BALANCED JACKET

ensures uniform heat distribution across the inner shell of the boiler, thus increasing its durability.



QUICK STARTUP

ensures 0 to 100% steam output in less than 3 minutes from cold start.

Supermax Plus is shipped fully assembled pre-wired, skid mounted, and is

PLUG AND PLAY.

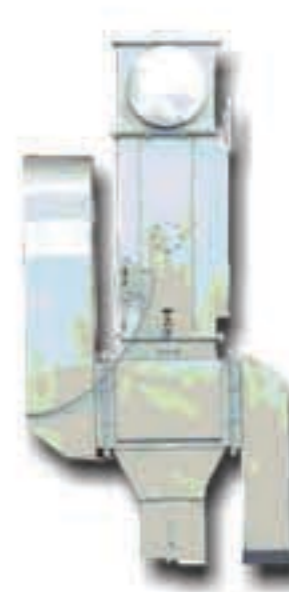


ECONOMISER

, with 30% more heat transfer area, ensures higher extraction of heat from the flue gases and contributes to increased efficiency of 91%.

EXTERNAL AIR PRE HEATER

in addition to jacket preheating, resulting in the highest efficiency ever achieved in a coil type S-IBR boiler



TECHNICAL SPECIFICATIONS

PARAMETERS	UNIT	iSX-1000	iSX-1250
Steam output, F&A 100°C	Kg/h	1000	1250
Steam pressure and temperature	-	12Kg/w ² 190°C	
Efficiency* on NCV	- Oil	92	92
	- Gas (LPG/NG)	90	90
Burner control	-	High - Low	High - Low
Total connected load	- FO	KW 12.02	12.02
	- LO	KW 7.52	7.52
	- Gas	KW 7.15	7.15
Overall dimensions (L x W x H)	Mtrs	2.15x1.68x3.3	2.15x1.68x3.3
Headroom clearance	Mtrs	2.6	2.6
Dry weight (approx.)	Tons	2.3	2.3
Flue gas outlet diameter	mm	300	300
Feed water tank outlet temp	°C	← 65 →	

*Efficiency calculated as per BS: 845 part I indirect method.