

		SF25 Standard	SF25-SE With Super Economiser	SF35 Standard	SF35-SE With Super Economiser	SF50 Standard	SF50-SE With Super Economiser	SF75 Standard	SF75-SE With Super Economiser	SF100 Standard	SF100-SE With Super Economiser	SF125 Standard	SF125-SE With Super Economiser	SF150 Standard	SF150-SE With Super Economiser	SF200 Standard	SF200-SE With Super Economiser
BOILER HORSEPOWER	BHP	25	25	35	35	50	50	75	75	100	100	125	125	150	150	200	200
NET HEAT OUTPUT	kcal/h	210900	210900	295260	295260	421800	421800	632700	632700	843600	843600	1054500	1054500	1265400	1265400	1687200	1687200
NET HEAT OUTPUT	kW	245	245	343	343	490	490	735.7	735.7	981	981	1226	1226	1471	1471	1962	1962
EQUIVALENT MAXIMUM OUTPUT SATURATED STEAM (from and at 100 °C feedwater and 0 barg steam)	kg/hr	391	391	548	548	783	783	1174	1174	1565	1565	1956	1956	2348	2348	3130	3130
DESIGN PRESSURE (See note 1)	barg	10	10	10	10	10	10	up to 20	up to 20	up to 20	up to 20	up to 20	up to 20	up to 20	up to 20	up to 20	up to 20
STEAM MAX OPERATING PRESSURE (determined by design pressure)	barg	8	8	8	8	8	8	up to 17	up to 17	17	17	17	17	17	17	17	17
OIL CONSUMPTION at maximum steam output (See note 2)	kg/hr	23,0	22,2	32,2	31,1	45,9	44,5	68,9	66,7	88,9	86,1	111,2	107,7	137,8	133,4	185,8	183,8
GAS CONSUMPTION at maximum steam output (See note 4)	Nm ³ /hr	26.5	25.7	37.1	35.9	53.0	51.3	81.3	78.7	103.7	100,5	128.3	125.6	162.7	157.3	222	216.9
GAS SUPPLY PRESSURE REQUIRED (See note 5)	(mbarg)	25	25	25	25	25/60	25/60	25/60	25/60	25/70	25/70	25/70	25/70	25/80	25/80	25/80	25/80
WATER CONTENT																	
- Filled	L	59,1	68,5	68,5	77,9	83,6	100,4	148	165	198	234	234	269	288	361	306	361
- In operation	L	19,7	22,8	22,8	26,0	27,9	33,5	49	55	66	78	78	90	96	120	102	120
THERMAL EFFICIENCY Gas Fired	%	90	93	90	93	90	93	88	91	92	95	93	95	88	91	86	88
THERMAL EFFICIENCY Oil Fired	%	90	93	90	93	90	93	90	93	93	96	93	96	90	93	89	90
FIRING RATE																	
- Step fired	%	0-100	0-100	0-100	0-100	0-50-100	0-50-100	0-50-100	0-50-100	0-50-100	0-50-100	0-50-100	0-50-100	0-50-100	0-50-100	0-50-100	0-50-100
- Modulating (See note 6)	%	N.A.	N.A.	N.A.	N.A.	33-100	33-100	30 -00	30-100	30-00	30 - 100	30 - 100	30 - 100	30-100	30-100	25-100	25-100
HEATING SURFACE	m ²	6.30	9.10	9.10	11.80	9,20	12.70	12.70	16.30	19.50	26.90	26.90	34.40	22.9	34.9	26.9	34.9
ELECTRIC MOTOR (Up to 10 barg)																	
- Blower	kW	1.5	1.5	1.5	1.5	1.4	1.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
- Pump	kW	0.55	0.55	2.4	2.4	2.4	2.4	3	3	3	3	3	3	3	3	4	4
APPROXIMATE OVERALL DIMENSIONS																	
- Length	mm	1537	1537	1537	1537	1562	1562	1562	1562	1842	1842	1842	1842	2047	2047	2047	2047
- Width	mm	1494	1494	1494	1494	1676	1676	1676	1676	1932	1932	1932	1932	2032	2032	2032	2032
- Height	mm	1836	2108	2108	2382	1899	2178	2159	2464	1940	2321	2321	2703	2364	2842	2712	3190
APPROXIMATE WEIGHT																	
- Filled	kg	848	930	930	1011	1363	1501	1501	1629	1864	2107	2107	2350	2878	3325	3105	3532
- Empty	kg	789	939	939	1007	1279	1401	1353	1464	1665	1873	1873	2081	2590	2964	2799	3171
STACK CONNECTION (Outer Diameter)	mm	302	302	302	302	302	302	302	302	450	450	450	450	450	450	560	560

NOTES

- For design pressure higher than 10 barg : consult factory
- Based on N° 2 fuel oil with a Low Heat Value (LHV) = 42700 kJ/kg
- Efficiencies are based on 60°C feed water temperature. Please consult factory for guaranteed values

- Based on natural gas with Low Heat Value (LHV) = 37000 kJ/Nm³
- To be regulated to this constant value by user, based on maximum gas consumption Highest value for fully modulating units.
- On dual fuel units only gas is modulating. Requires a manual change of burners.

TS-SigmaFire Rev A