



# TECHNICAL SPECIFICATIONS Sheet 4 - 600 to 1300 BHP

GENERATOR MODEL		UNIT	E- 604	SE- 604	E- 704	SE- 704	E- 1004	SE- 1004	E- 1104	SE- 1104	E- 1204	SE- 1204	E- 1304	SE- 1304								
NET OUTPUT	MAXIMUM LOAD	kW	5886	5886	6866	6866	9809	9809	10790	10790	11771	11771	12752	12752								
	MODULATION RANGE	%	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100								
EQUIVALENT MAXIMUM OUTPUT SATURATED STEAM (*)		kg/h	9394	9394	10960	10960	15657	15657	17223	17223	18788	18788	20354	20354								
NOMINAL OPERATING STEAM PRESSURES AVAILABLE UP TO (**)		barg	Up to 150barg depending on model and application																			
STANDARD INSTALLED ELECTRICAL MOTOR POWER  (230/400/415/440 VAC - 50/60 Hz)	WATER PUMP (****)	kW	11 + 11	11 + 11	11 + 11	11 + 11	55	55	55	55	75	75	75	75								
	BLOWER	kW	30	30	45	45	75	75	75	75	75	75	75	110								
COMBUSTION EFFICIENCY (**)	FUEL TYPE G(Gas) O(Light Oil)		G	O	G	O	G	O	G	O	G	O	G	O								
	MAXIMUM LOAD	%	91	91	94	95	91	90	93	92	92	91	96	95	92	91	96	95	92	91	96	95
	MINIMUM LOAD	%	96	97	97	97	92	91	94	93	94	93	95	94	94	93	95	94	94	93	95	94
CONSUMPTION @ FULL LOAD	GAS - LCV = 37000 kJ/Nm <sup>3</sup>	Nm <sup>3</sup> /h	629	609	734	718	1037	994	1141	1094	1245	1193	1349	1292								
	LIGHT OIL - LCV = 42700 kJ/kg	kg/h	545	522	643	629	909	871	1000	958	1091	1045	1181	1132								
WATER CONTENT (generator water/steam system)	FILLED	L	1917	2183	2109	2375	5501	6930	5501	6930	5501	6930	5501	6930								
	IN OPERATION	L	1120	1386	1150	1350	2500	3750	2500	3750	2500	3750	2500	3750								
HEATING SURFACE		m <sup>2</sup>	112,4	139,4	126,9	154	257	378	257	378	257	378	257	378								
MINIMUM GAS PRESSURE REQUIRED @ INLET (****)		mbarg	310-430	310-430	220-430	220-430	300	300	300	300	340	340	400	400								
ATOMIZING AIR (oil fired only)	REQUIRED FLOW	Nm <sup>3</sup> /h	40	40	40	40	50	50	50	50	60	60	70	70								
	REQUIRED PRESSURE	barg	5 → 7	5 → 7	5 → 7	6 → 7	5 → 7	5 → 7	5 → 7	5 → 7	5 → 7	5 → 7	5 → 7	5 → 7								
OVERALL GENERATOR DIMENSIONS (approx.)	LENGTH	gas	mm	3060	3060	3320	3320	4646	4646	4646	4646	4646	4646	4646								
		oil	mm	2840	2840	3100	3100	4646	4646	4646	4646	4646	4646	4646								
		gas-oil	mm	3190	3190	3320	3320	4646	4646	4646	4646	4646	4646	4646								
	WIDTH	all fuels	mm	2130	2130	2115	2115	2600	2600	2600	2600	2600	2600	2600								
	HEIGHT	all fuels	mm	4590	5235	5200	5845	5229	6153	5229	6153	5229	6153	5229	6153							
	WEIGHT (empty)	all fuels	kg	6900	7700	8600	9400	17800	21300	17800	21300	17800	21300	17800	21300							
OVERALL PUMP SKID DIMENSIONS (approx.)	LENGTH	mm	1350	1350	1350	1350	2600	2600	2600	2600	2600	2600	2600	2600								
	WIDTH	mm	820	820	820	820	770	770	770	770	770	770	770	770								
	HEIGHT	mm	1155	1155	1155	1155	877	877	877	877	877	877	877	877								
	WEIGHT	kg	400	400	400	400	950	950	950	950	950	950	950	950								
GENERATOR STACK CONNECTION (outer diameter)		mm	806	806	908	908	1000	1000	1000	1000	1000	1000	1000	1000								

**NOTES**

TS-604 to 1304 REV A

(\*) @ 1 bara (absolute) with feed water temperature of 100 °C

(\*\*) based on feed water temperature of 60 °C

(\*\*\*) to be provided by customer (based on 100% capacity; based on LHV between 31,8 and 37,3 MJ/Nm<sup>3</sup>) - (Note: gas train design pressure is 500 mbar)

(\*\*\*\*) motor power may vary due to feed water pressure. E404 / 504 / 604 and 704 have two pumps