



TECHNICAL SPECIFICATIONS Sheet 3 - 150 to 500 BHP

GENERATOR MODEL		UNIT	E- 154		SE- 154		E- 204		SE- 204		E- 254		SE- 254		E- 304		SE- 304		E- 354		SE- 354		E- 404		SE- 404		E- 504		SE- 504	
NET OUTPUT	MAXIMUM LOAD	kW	1471	1471	1962	1962	2452	2452	2943	2943	3433	3433	3924	3924	4905	4905														
	MODULATION RANGE	%	33 / 100	33 / 100	25 / 100	25 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	20 / 100	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	2349	2349	3131	3131	3914	3914	4697	4697	5480	5480	6263	6263	7829	7829														
NOMINAL OPERATING STEAM PRESSURES		barg	Up to 150 barg depending on model and application																											
STANDARD INSTALLED ELECTRICAL MOTOR POWER (230/400/415/440 VAC - 50/60 Hz)	WATER PUMP (****)	kW	4	4	5,5	5,5	7,5	7,5	7,5	7,5	7,5	7,5	11,0	5,5 + 5,5	5,5 + 5,5	7,5 + 7,5	7,5 + 7,5													
	BLOWER	kW	5,5	5,5	7,5	7,5	11	11	11	11	15	15	22	22	30	30														
COMBUSTION EFFICIENCY (**)	FUEL TYPE G(Gas) O(Light Oil)		G	O	G	O	G	O	G	O	G	O	G	LO	G	LO	G	LO	G	O	G	O	G	O	G	O	G	O	G	O
	MAXIMUM LOAD	%	93	93	95	95	92	93	94	95	92	93	94	95	92	93	94	95	91	92	93	94	91	92	95	95	90	91	94	95
	MINIMUM LOAD	%	96	97	96	97	95	95	96	97	95	95	96	97	95	95	96	97	94	95	96	97	96	97	97	97	96	97	97	97
CONSUMPTION @ FULL LOAD	GAS - LCV = 37000	$\frac{\text{kJ}}{\text{Nm}^3}$	154		151		207		203		259		254		311		305		367		359		420		402		530		508	
	LIGHT OIL- LCV = 42700	$\frac{\text{kJ}}{\text{kg}}$	133		131		178		174		222		218		267		261		315		308		360		348		454		435	
WATER CONTENT (generator water/steam system)	FILLED	L	556	695	556	695	556	695	556	695	777	916	777	916	777	916	777	916	777	916	777	916	777	916	777	916	777	916	777	916
	IN OPERATION	L	315	460	300	450	288	431	400	530	380	520	665	930	650	920														
HEATING SURFACE		m ²	41,7	59,9	41,7	59,9	41,7	59,9	41,7	59,9	55,2	73,4	55,2	73,4	83,9	111	83,9	111												
MINIMUM GAS PRESSURE REQUIRED @ INLET (***)		mbarg	160-240		160-240		210-360		210-360		190-280		190-280		230-365		230-365		280-450		280-450		190-250		190-250		250-340		250-340	
ATOMIZING AIR (oil fired only)	REQUIRED FLOW	Nm ³ /h	36	36	27	27	27	27	27	27	32	32	32	32	40	40	40													
	REQUIRED PRESSURE	barg	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7	5 --> 7													
OVERALL GENERATOR DIMENSIONS (approx.)	LENGTH	gas	mm	2755	2755	2755	2755	2755	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745	2745
		oil	mm	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550
		gas-oil	mm	2882	2882	2882	2882	2882	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872
	WIDTH	all fuels	mm	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950
		HEIGHT	all fuels	mm	2785	3165	2785	3165	2785	3165	2785	3165	2915	3490	2915	3490	2915	3490	2915	3490	2915	3490	2915	3490	2915	3490	2915	3490	2915	3490
WEIGHT (empty)	all fuels	kg	2950	3450	3050	3550	3150	3650	3600	4100	3700	4200	5800	6600	5800	6600														
OVERALL PUMP SKID DIMENSIONS (approx.)	LENGTH	mm	1345	1345	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	
	WIDTH	mm	680	680	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	
	HEIGHT	mm	1025	1025	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	
	WEIGHT	kg	325	325	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	
GENERATOR STACK CONNECTION (outer diameter)		mm	559	559	559	559	713	713	713	713	713	713	713	713	806	806	806	806												

NOTES

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(*) @ 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/Nm³) - (Note: gas train design pressure is 500 mbar)

(****) motor power may vary due to feed water pressure. E404 and up have two pumps