



TECHNICAL SPECIFICATIONS - 600 to 1300 BHP

GENERATOR MODEL			UNIT	E- 604	SE- 604	E- 704	SE- 704	E- 804	SE- 804	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	7848	7848	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	20 / 100	20 / 100
EQUIVALENT MAXIMUM OUTPUT SATURATED STEAM (*)			kg/h	9394	9394	10960	10960	12519	12519	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	WATER PUMP (****)		kW	11 + 11	11 + 11	11 + 11	11 + 11	55	55	55	55	55	55	75	75	75	75
	BLOWER		kW	30	30	45	45	55	55	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	G	O
	MAXIMUM LOAD		%	91	91	94	95	91	90	93	92	92	91	94	93	92	91
	MINIMUM LOAD		%	96	97	97	97	92	91	94	93	93	92	95	94	94	93
CONSUMPTION @ FULL LOAD	GAS - LCV = 37000	kJ/Nm ³	Nm ³ /h	629	609	734	718	830	812	1037	994	1141	1094	1245	1193	1349	1292
	LIGHT OIL - LCV = 42700	kJ/kg	kg/h	545	522	643	629	727	711	909	871	1000	958	1091	1045	1181	1132
WATER CONTENT (generator water/steam system)	FILLED		L	1917	2183	2109	2375	2400	2666	5501	6930	5501	6930	5501	6930	5501	6930
	IN OPERATION		L	1120	1386	1150	1350	1250	1350	2500	3750	2500	3750	2500	3750	2500	3750
HEATING SURFACE			m ²	1124	1394	1269	154	140.3	165.3	257	378	257	378	257	378	257	378
MINIMUM GAS PRESSURE REQUIRED @ INLET (****)			mbar	310-430	310-430	220-430	220-430	300	300	300	300	300	300	340	340	400	400
ATOMIZING AIR (oil fired only)	REQUIRED FLOW		Nm ³ /h	40	40	40	40	50	50	50	50	50	50	60	60	70	70
	REQUIRED PRESSURE		barg	5→7	5→7	5→7	6→7	6→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	3320	3320	4646	4646	4646	4646	4646	4646	4646	4646
		oil	mm	2840	2840	3100	3100	3100	3100	4646	4646	4646	4646	4646	4646	4646	4646
		gas-oil	mm	3190	3190	3320	3320	3320	3320	4646	4646	4646	4646	4646	4646	4646	4646
	WIDTH	all fuels	mm	2130	2130	2115	2115	2115	2115	2600	2600	2600	2600	2600	2600	2600	2600
	HEIGHT	all fuels	mm	4590	5235	5200	5845	5555	6220	5229	6153	5229	6153	5229	6153	5229	6153
	WEIGHT (empty)	all fuels	kg	6900	7700	8600	9400	9460	10260	17800	21300	17800	21300	17800	21300	17800	21300
OVERALL PUMP SKID DIMENSIONS (approx.)	LENGTH		mm	1350	1350	1350	1350	2300	2300	2600	2600	2600	2600	2600	2600	2600	2600
	WIDTH		mm	820	820	820	820	634	634	770	770	770	770	770	770	770	770
	HEIGHT		mm	1155	1155	1155	1155	595	595	877	877	877	877	877	877	877	877
	WEIGHT		kg	400	400	400	400	774	774	950	950	950	950	950	950	950	950
GENERATOR STACK CONNECTION (outer diameter)			mm	806	806	908	908	908	908	1000	1000	1000	1000	1000	1000	1000	1000

NOTES

(*) @ 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 steam/feed water pressure. E404 / 504 / 604 and 704 have two Clayton pumps.

As from model E-804 the units have one centrifugal feed water pump and feed water quantity regulating system.

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