

TECHNICAL SPECIFICATIONS MODULATING STEAM GENERATORS

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	E-604	SE-604	E-704	SE-704	
NET OUTPUT	MAXIMUM LOAD		kW	1471	1471	1962	1962	2452	2452	2943	2943	3433	3433	3924	3924	4905	4905	5886	5886	6866	6866	
	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	
EQUIVALENT MAXIMUM OUTPUT SATURATED STEAM (*)			kg/h	2349	2349	3131	3131	3914	3914	4697	4697	5480	5480	6263	6263	7829	7829	9394	9394	10958	10958	
NOMINAL OPERATING STEAM PRESSURES AVAILABLE UP TO (**)			barg	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
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	11.0	11.0	5.5 + 5.5	5.5 + 5.5	7.5 + 7.5	7.5 + 7.5	11 + 11	11 + 11	11 + 11	11 + 11	
	BLOWER		kW	5.5	5.5	7.5	7.5	11	11	11	11	18.5	18.5	22	22	30	30	30	30	45	45	
COMBUSTION EFFICIENCY (***)	FUEL TYPE: G=GAS/O=LIGHT OIL			G	O	G	O	G	O	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	91	92	93	94	91	92	
	MINIMUM LOAD		%	96	97	96	97	95	95	96	97	95	95	96	97	94	95	96	97	96	97	
CONSUMPTION @ FULL LOAD	GAS with LCV = 37000 kJ/Nm³		Nm³/h	154	151	207	203	259	254	311	305	367	359	420	402	530	508	629	609	737	720	
	LIGHT OIL with LCV = 42700 kJ/kg		kg/h	133	131	178	174	222	218	267	261	315	308	360	348	454	435	545	522	657	643	
WATER CONTENT (generator water/steam system)	FILLED		L	556	695	556	695	556	695	777	916	777	916	1495	1721	1495	1761	1917	2183	2025	2300	
	IN OPERATION		L	315	460	300	450	288	431	400	530	380	520	665	930	650	920	1120	1386	1150	1350	
MINIMUM GAS PRESSURE REQUIRED @ INLET (****)			mbarg	120	120	160	160	220	220	220	220	220	220	150	150	190	190	160	160	200	200	
ATOMIZING AIR (oil fired only)	REQUIRED FLOW		Nm³/h	36	36	27	27	27	27	32	32	32	32	40	40	40	40	40	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	5 --> 7	5 --> 7	5 --> 7	
OVERALL GENERATOR DIMENSIONS (approx.)	LENGTH	gas	mm	2755	2755	2755	2755	2745	2745	2745	2745	2745	2745	3060	3060	3060	3060	3060	3060	3320	3320	
		oil	mm	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2840	2840	2840	2840	2840	2840	3100	3100
		oil - gas	mm	2882	2882	2882	2882	2872	2872	2872	2872	2872	2872	2872	3190	3190	3190	3190	3190	3190	3320	3320
	WIDTH	all fuels	mm	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	2130	2130	2130	2130	2130	2130	2115	2115	
	HEIGHT	all fuels	mm	2785	3165	2785	3165	2785	3165	2915	3490	2915	3490	3410	3975	3410	3975	4590	5235	5200	5845	
	WEIGHT (empty)	all fuels	kg	2950	3450	3050	3550	3150	3650	3600	4100	3700	4200	5800	6600	5800	6600	6900	7700	8600	9400	
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	
	WIDTH		mm	680	680	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	
	WEIGHT		kg	325	325	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	806	806	806	806	806	806	908	908	

NOTES:

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

(**) Available as standard. Higher pressure(s) available on request.

(***) Based on feed water temperature of 60 °C.

(****) To be regulated by customer. based on 100% capacity and GAS-LCV = 37000 kJ/Nm³.

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