

TECHNICAL SPECIFICATIONS STEP FIRED STEAM GENERATORS

GENERATOR MODEL		UNIT	E-10	E-15	E-20	E-26	E-40	SE-40	E-50	SE-50	E-60	SE-60	E-80	SE-80	E-100	SE-100	E-125	SE-125	E-185	SE-185															
NET OUTPUT	MAXIMUM LOAD	kW	98	147	196	255	392	392	490	490	589	589	785	785	981	981	1226	1226	1815	1815															
	FIRING STEPS	%	ON/OFF burner				50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100														
EQUIVALENT MAXIMUM OUTPUT SATURATED STEAM (*)		kg/h	157	235	313	407	626	626	783	783	939	939	1253	1253	1566	1566	1957	1957	2897	2897															
NOMINAL OPERATING STEAM PRESSURES AVAILABLE UP TO: (**)		barg	8	8	8	8	17	17	17	17	27	27	26	26	27	27	27	27	27	27															
STANDARD INSTALLED ELECTR. MOTOR POWER (230/400/415/440 VAC - 50/60 Hz)	WATER PUMP	kW	0,37	0,37	0,55	0,55	2,4	2,4	2,4	2,4	4	4	3	3	7,5	7,5	7,5	7,5	11	11															
	BLOWER	kW	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5			5,5	5,5																					
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	G	O	G	O	G	O									
	@ 100% STEP	%	94	93	91	92	92	92	90	91	92	94	95	88	93	91	91	94	94	92	93	95	96	92	93	95	96	91	92	94	95	90	91	94	94
	@ 50% STEP	%	ON/OFF burner				94	95	96	96	93	95	94	93	95	95	95	95	97	97	95	95	97	97	94	95	96	97	94	94	96	96			
CONSUMPTION @ FULL LOAD	GAS with LCV = 37000 kJ/Nm ³	Nm ³ /h	10,2	15,7	20,7	27,6	42,0	40,6	54,2	51,3	62,9	60,9	83,0	80,4	103,7	100,5	131,1	126,9	196,2	187,8															
	LIGHT OIL with LCV = 42700 kJ/kg	kg/h	8,9	13,5	18,0		36,0	34,8		54,5	52,8	71,1	68,9	88,9	86,1	112,4	108,8	168,1	162,8																
WATER CONTENT (generator water/steam system)	FILLED	L	24	24	50	50	65	76,5	65	76,5	104	130	192	235	192	235	192	235	296	367															
	IN OPERATION	L	9,1	9,1	14	13	20	30,4	20	30,4	25	33	47	61	47	61	47	61	84	108															
GAS PRESSURE REQUIRED @ INLET (****)		mbarg	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25															
OVERALL GENERATOR DIMENSIONS (approx.)	LENGTH	gas	mm	1325	1325	1325	1325	1520	1520	1520	1520	2030	2030	1973	1973	2230	2230	2230	2230	2395	2395														
		oil	mm					1325	1325			1710	1710	1755	1755	1880	1880	1880	1880	2030	2030														
	WIDTH	gas	mm	960	960	1045	1045	945	945	945	945	1290	1290	1260	1260	1400	1400	1400	1400	1625	1625														
		oil	mm	835	835	925		945	945	945	945	1290	1290	1260	1260	1400	1400	1400	1400	1625	1625														
	HEIGHT	all fuels	mm	1470	1470	1890	1890	2150	2465	2150	2450	2320	2320	2405	2700	2405	2700	2405	2700	2515	2935														
	WEIGHT (empty)	gas	kg	390	390	450	450	660	790	660	790	1250	1320	1725	1980	1695	1950	1695	1950	2335	2650														
oil		kg	1215									1285	1725	1980	1650	1905	1650	1905	2245	2560															
OVERALL PUMP SKID DIMENSIONS (approx.)	LENGTH	mm	500	500	515	515	930	930	930	930	Feed water pump installed on generator base frame as a standard.																								
	WIDTH	mm	375	375	465	465	630	630	630	630																									
	HEIGHT	mm	650	650	650	650	1065	1065	1065	1065																									
	WEIGHT	kg	40	40	40	40	180	180	180	180																									
GENERATOR STACK CONNECTION (outer diameter)		mm	202	202	202	202	305	305	305	305	381	381	457	457	457	457	457	457	559	559															

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.

SINCE CLAYTON INDUSTRIES' POLICY IS ONE OF CONTINUOUS IMPROVEMENT, ALL SPECIFIED VALUES ARE SUBJECT TO CHANGE WITHOUT NOTICE.



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