Clayton
INNOVATIVE STEAM SYSTEM SOLUTIONS

TECHNICAL SPECIFICATIONS - 10 to 185 BHP

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
EQUIVALENT MAXIMUM OUTPUT SATURATED STEAM (*)			kg/h	0	235	313	407	626	626	783	783	939	939	1253	1253	1566	1566	1957	1957	2897	2897
NOMINAL OPERATING STEAM PRESSURES UP TO: (**)			barg	13	13	13	13	17	17	17	17	58	58	58	58	58	58	58	58	58	58
STANDARD INSTALLED ELECTRICAL MOTOR POWER	WATER PUMP		kW	0,37	0,37	0,55	0,55	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	4,2	4,2	5,5	5,5
(230/400/415/440 VAC - 50/60 Hz)	BLOWER		kW	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	4	4	5,5	5,5	5,5	5,5	5,5	5,5	11	11
COMBUSTION EFFICIENCY (***)	FUEL TYPE: G(Gas) O (Light Oil)			G O	G O	G O	GAS	G O	G O	GAS	GAS	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 - LCV 37000 kJ/Nm³		Nm3/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 - 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	FILLED		L	24	24	50	50	65	76,5	65	76,5	104	130	192	235	192	235	192	235	296	367
(generator water/steam system	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
HEATING SURFACE			m²	4,5	4,5	5,1	5,1	7,8	11	7,8	11	10,7	15,8	19,1	27,5	19,1	27,5	19,1	27,5	25,1	37,1
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	1846	1846	2030	2030	2030	2030	2030	2030	2185	2185
		oil	mm					1325	1325			1570	1570	1755	1755	1755	1755	1755	1755	1885	1885
	WIDTH	gas	mm	960	960	1045	1045	945	945	945	945	1240	1240	1300	1300	1300	1300	1300	1300	1415	1415
		oil	mm	835	835	925															
	HEIGHT	gas - oil	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	1000	1070	1725	1980	1725	1980	1725	1980	2000	2315
		oil	kg									965	1035	1725	1980	1725	1980	1725	1980	1910	2225
OVERALL PUMP SKID DIMENSIONS (approx.)	LENGTH		mm	500	500	515	515	930	930	930	930	1345	1345	1345	1345	1345	1345	1345	1345	1350	1350
	WIDTH		mm	375	375	465	465	630	630	630	630	680	680	677	677	677	677	677	677	820	820
	HEIGHT		mm	650	650	650	650	1065	1065	1065	1065	1025	1025	1025	1025	1025	1025	1025	1025	1155	1155
	WEIGHT		kg	40	40	40	40	180	180	180	180	325	325	325	325	325	325	325	325	400	400
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 as shown above.

TS-10 to 185 Rev A

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