

# ST95 Heat Recovery Steam Boiler

**Cochran's ST95 packaged heat recovery steam boiler is available as a single, twin or triple stream design constructed in accordance with BS EN 12953.**

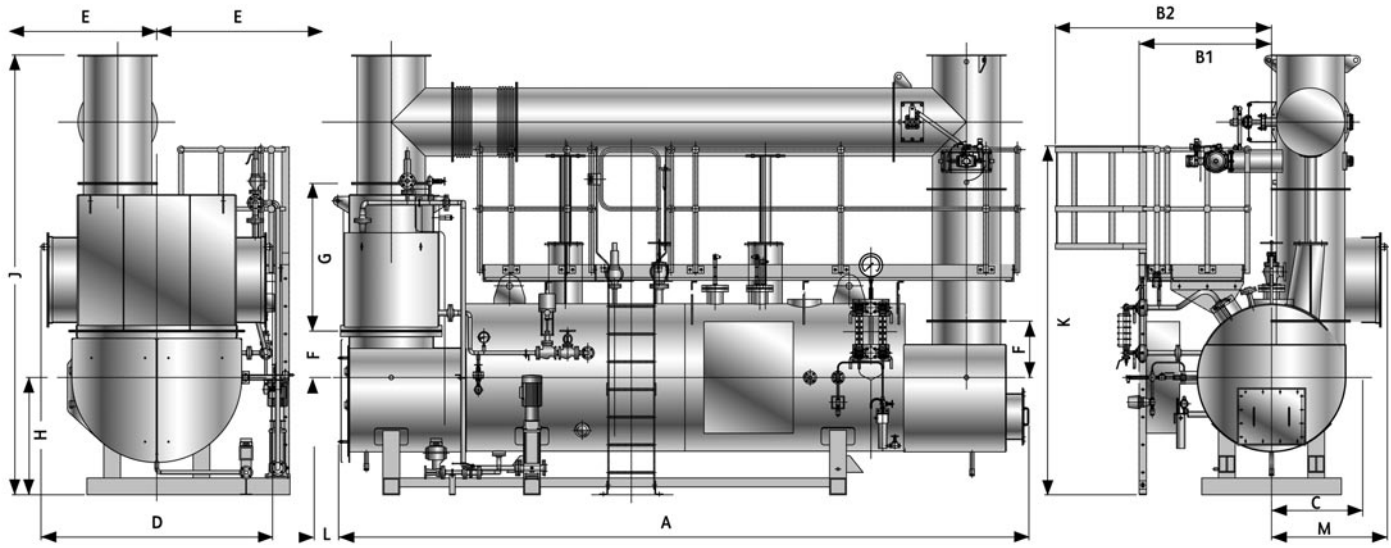
It also complies with the requirements of the Factories Act (1961) and Guidance on Safe Operation of Boilers Ref: BG01 developed by the Safety Assessment Federation (SAFED) and the Combustion Engineering Association (CEA). In addition, the ST95 is CE Marked to meet the requirements of the Pressure Equipment Directive (PED), Low Voltage; Electro-Magnetic Compliance & Machinery Safety Directives. Throughout the manufacturing process, this boiler is subject to inspection by a leading Independent Insurance Company, in addition to Cochran's own ISO 9001-compliant quality procedures.

**Cochran's ST95 packaged heat recovery steam boiler offers the following key features and optional upgrades:**

- The ST95 is a heat recovery boiler range providing single, twin or triple stream solutions.
- Designs to match commercially available gas engines, thermal oxidisers, gas turbines and other heat source.
- Complies with the requirements of BS EN 12953 and the PED (Pressure Equipment Directive).
- Supplied as a package, fully insulated and clad, complete with valves and pipework to ease site installation.
- Optional equipment such as bypass dampers, ductwork and control interface modules are available.
- Variable speed drives for feedwater pump motors help deliver low noise levels and reduce power consumption.
- Enhanced insulation for lower touch temperature.



# ST95 Heat Recovery Steam Boiler



ST95 Single Pass Boiler Model			ST95-1	ST95-2	ST95-3	ST95-4	ST95-5	ST95-6	ST95-7	ST95-8	
Nominal Engine Size	kW		400	600	800	1200	1600	2000	3500	4300	
Boiler Output with Economiser	kg/Hr		302	473	623	800	1115	1342	2524	3191	
Boiler Output with Economiser	kW		204	320	421	541	754	907	1706	2157	
Dimensions	A	mm	5415	5540	5665	5790	5960	6155	6495	6740	
	B1	mm	1155	1155	1155	1155	1155	1155	1266	1366	
	B2	mm	1905	1905	1905	1905	1905	1905	1989	2089	
	C	mm	564	614	664	714	766	816	966	1066	
	D	mm	1436	1536	1636	1736	1860	1960	2260	2460	
	Economiser Tube Withdrawal	E	mm	1465	1615	1765	1915	2071	2221	2671	2971
	F	mm	335	370	400	430	460	495	590	650	
	G	mm	1150	1085	1015	1150	1195	1280	1115	1115	
	H	mm	800	850	900	950	1000	1050	1200	1300	
	J	mm	3185	3255	3315	3580	3755	4025	4255	4565	
Boiler Tube Withdrawal	K	mm	2618	2718	2818	2918	3020	3120	3420	3620	
	L	mm	3180	3105	3030	2950	2835	2740	2550	2455	
	M	mm	718	768	818	868	930	980	1130	1230	
Minimum Transport Width	mm	1582	1682	1782	1882	1996	2096	2396	2596		
Minimum Transport Height	mm	2285	2305	2315	2530	2655	2825	2905	3065		
Recommended Chimney Diameter	mm	300	350	400	450	500	600	750	900		
Safety Valve Exhaust Diameter	mm	32	32	32	32	40	50	65	65		
Steam Stop Valve Diameter	mm	50	50	50	50	65	65	80	100		
Blow Down Valve Diameter	mm	25	25	25	25	25	25	25	25		
Feed Pump Inlet Diameter	mm	25	25	25	25	25	25	32	32		
Boiler Weight - Empty Complete	Tonnes		4.8	5.2	5.8	6.5	7.2	8.8	11.7	14.2	
Boiler Weight - to NWL	Tonnes		6.3	6.9	7.9	9.0	10.2	12.1	16.6	20.2	
Boiler Weight - Full of Water	Tonnes		6.5	7.2	8.3	9.5	10.7	12.8	17.5	21.5	

## Notes:

1. Boiler output based on a feed water temperature of 80°C with the economiser fitted and 7.0 BarG working pressure.
2. Actual boiler output will be dependent on exhaust gas temperature and flow rate.
3. Designs based on typical commercially available gas engine.

**+44(0) 1461 202 111 [www.cochran.co.uk](http://www.cochran.co.uk)**

Newbie Works, Annan, Dumfries & Galloway, UK DG12 5QU.

Whilst this information is given in good faith, no warranty or representation is given concerning such information which must not be taken as establishing any contractual or other commitment binding upon Cochran Group Ltd Company or any of its subsidiary associated companies. ©2019 Cochran Ltd.

