

# HW34 Hot Water Boiler

# 5000-16000 kW

**Cochran's HW34 is a horizontal three pass, wet back hot water boiler. Designed and built to EN12953, the HW34 delivers higher operational efficiencies. This model is suitable for both low and high temperature applications, the boiler meets the latest European environmental legislation and the Medium Combustion Plant Directive (MCPD).**

The boiler is designed to meet the current UK building regulations with gross seasonal efficiency of over 86% and complies with the requirements of the Factories Act (1961) and with HSE and UK Inspection Authority requirements. In addition, the Boiler is CE Marked to meet the requirements of the Pressure Equipment; Low Voltage; Electro-Magnetic Compliance; and 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.

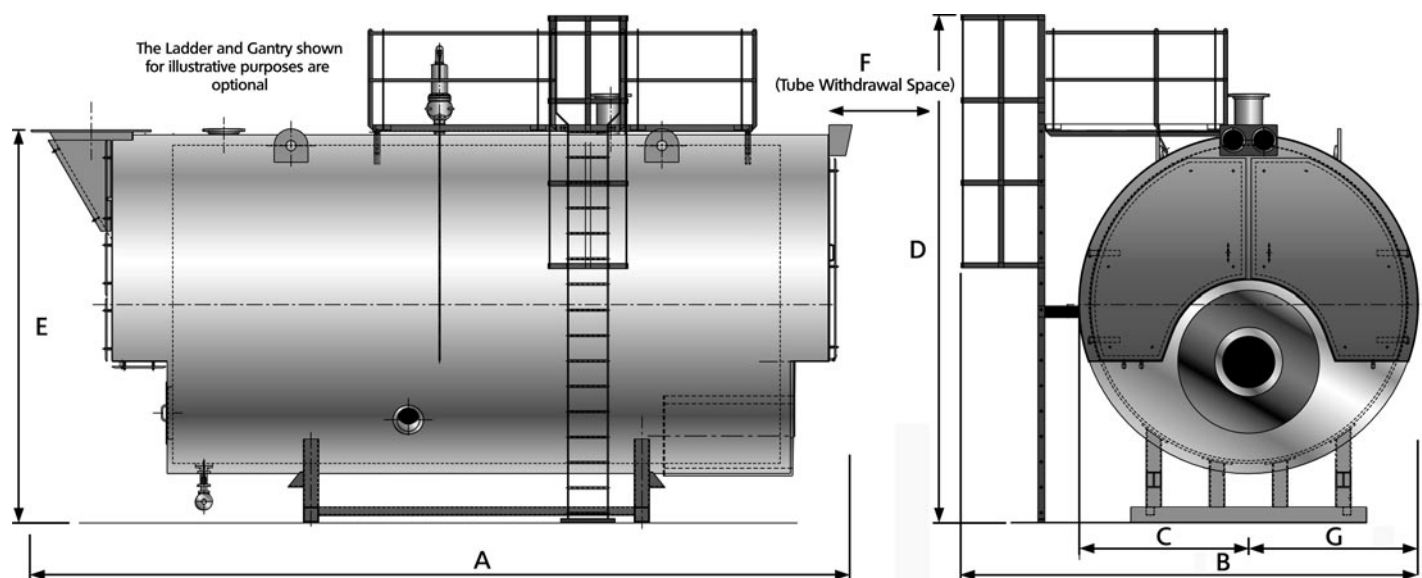
**Cochran's HW34 packaged hot water boiler offers the following key features and optional upgrades:**

- A fully wet-back hot water boiler range, developed to meet today's demands for higher operational efficiencies and lower emissions.
- Offers impressive performance and lower emissions for larger commercial and industrial applications.
- Features Cochran's low NO<sub>x</sub> burners as standard.
- Wide range of outputs from 5000 kW to 16000 kW, with bespoke twin furnace designs for outputs up to 30000 kW.
- Normal operating pressure is 5.25 Barg, with options up to 25 Barg.
- Features Cochran's low NO<sub>x</sub> burners as standard.
- Wide range of combustion and control packages, superheater and economiser options.
- Turndown of up to 7:1.
- Variable speed drives for FD Fan motor helps deliver low noise levels and reduce power consumption.
- Enhanced insulation for lower touch temperature.



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HW34 Model			HW34-1	HW34-2	HW34-3	HW34-4	HW34-5	HW34-6	HW34-7	HW34-8	HW34-9
Output	kW		5000	6000	7000	8000	9000	10000	12000	14000	16000
Length	A	mm	6547	7218	7318	7569	8126	8200	8962	9671	10205
Width	B	mm	4171	4547	4631	4582	4582	4682	4994	5346	5446
	C	mm	1280	1387	1454	1496	1496	1514	1665	1915	1915
	D	mm	4250	4447	4459	4704	4704	4698	5035	5392	5392
	E	mm	3020	3217	3229	3474	3474	3468	3805	4162	4162
Boiler Tube Withdrawal	F	mm	4144	4794	4754	4924	5424	5454	5896	6455	6888
	G	mm	1810	2079	2096	2005	2005	2087	2248	2350	2450
Rec. Chimney Dia.		mm	535	550	610	650	690	700	800	835	885
Flow Connection Dia.		mm	250	250	250	300	300	300	350	350	350
Return Connection Dia.		mm	250	250	250	300	300	300	350	350	350
Safety Valve Size		mm	80	80	100	100	100	125	125	150	150
Safety Valve Outlet Dia.		mm	125	125	150	150	150	200	200	250	250
Drain Valve Dia.		mm	50	50	50	50	50	50	50	50	50
Weight Empty		Tonnes	14.1	18.9	18.5	19.8	21.5	23.6	30.1	38.4	41.7
Weight Full		Tonnes	26.2	35.1	37.2	39.1	42.7	44.8	54.3	83.1	88.7

**Note:** All Dimensions and weights are approximate only and are based on a boiler working pressure of 5.25 BarG.

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