

Wet Base,

Horizontal Tube

Oil-Fired Boiler



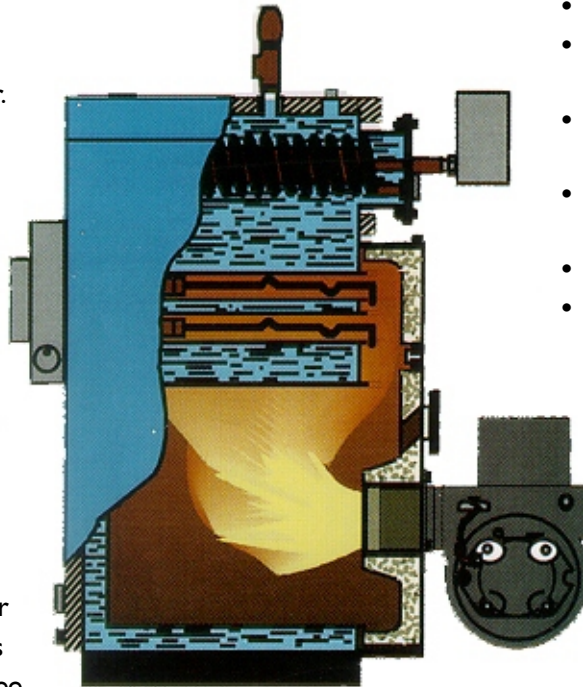
Horizon

The Horizon boiler has a wet base horizontal tube design that is engineered to maximize heat transfer through increased heat retention in the base and chamber.

It is highly efficient reaching far beyond ASHRAE efficiency standards without the additional cost and labor of adding vent dampers. The standard coil provides 5 gpm of domestic hot water.

Cleaning and maintenance are made effortless due to the raised coil flanges, stainless steel baffles and easy to remove covers.

The solid steel construction of the Horizon is up to 50% stronger than that of cast iron boilers and is built to last a lifetime. We guarantee this with our nonprorated limited lifetime warranty.



Features

- Steel for strength
- Lifetime warranty (ASME Shell)
- Built to ASME boiler and pressure vessel code
- Horizontal tube design with stainless turbulators
- Wet base 3 pass horizontal firetube design
- Easy rear flue box clean out
- 5 GPM tankless coil with raised and bolted flange
 - Two fully insulated front doors provide easy cleaning access
- Enamelled flush jacket with heavy duty insulation
- Taco 007-F4 circulator
- Honeywell L81 24A aquastat
- Beckett burner or Blue Angel HS burner
- Optional equipment
 - Riello F3, F5 or F10

Specification	HC 100	HC 125	HC 145	HC 175	HC 205	HC 240	HC 270	HC 300
D.O.E. Heating Capacity B.H.U./h <i>kW</i>	100 29.3	125 36.6	145 42.5	175 51.3	205 60.1	240 70.3	270 69.1	300 87.9
Net Output - B.H.U./h <i>kW</i>	87 25.5	109 31.9	126 36.9	152 44.5	178 52.2	209 61.2	235 68.9	261 76.5
AFUE %	84.2	84.0	85.8	85.2	85.4	84.2	85.2	84.4
Firing Rate - GPH <i>mL/s</i>	.85 1	1.00 1	1.25 1	1.50 2	1.75 2	2.00 2	2.25 2	2.50 3
Net Stack Temperature - °F °C	333 167	371 188	319 159	354 179	325 163	350 177	330 166	360 182
Water Capacity - Gal. <i>L</i>	21 79.5	21 79.5	34 128.7	34 128.7	42 159.0	42 159.0	48 181.7	48 181.7
Coil Capacity - GPM <i>L/s</i>	5 0.3	5 0.3	5 0.3	5 0.3	5 0.3	5 0.3	5 0.3	5 0.3
Approx. Weight - lbs. <i>kg</i>	494 224	494 224	608 276	608 276	764 347	764 347	810 368	810 368

Dimensions - inches <i>mm</i>	HC 100	HC 125	HC 145	HC 175	HC 205	HC 240	HC 270	HC 300
Jacket Height	39 991	39 991	42 1067	42 1067	45¾ 1162	45¾ 1162	45¾ 1162	45¾ 1162
Jacket Width	21 533	21 533	23 584	23 584	25 635	25 635	25 635	25 635
Jacket Length	21 533	21 533	23 584	23 584	25 635	25 635	29 737	29 737
Overall Length	32 813	32 813	34 864	34 864	36 914	36 914	40 1016	40 1016
Smoke Outlet Height	24½ 622	24½ 622	27 686	27 686	29½ 749	29½ 749	29½ 749	29½ 749
Burner Center Line	10¾ 273	10¾ 273	11¾ 298	11¾ 298	12½ 318	12½ 318	12½ 318	12½ 318
Smoke Outlet Diameter	6 152	6 152	6 152	6 152	8 203	8 203	8 203	8 203
Smoke Box	1¾ 44	1¾ 44	1¾ 44	1¾ 44	2½ 64	2½ 64	2½ 64	2½ 64
Supply Size Water	1¼ 32	1¼ 32	1¼ 32	1¼ 32	1½ 38	1½ 38	1½ 38	1½ 38



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