



Product Data Submittal
 Fulton Model: ICS/FB-A and ICX/FB-F
 (ASME Section I)

**Fulton Classic and Edge
 Gas Fired Vertical Tubeless
 Steam Boilers**

Dimensions

Standard Models ICS/FB-A		BHP	4	6	9.5	10	15	20	25	30	50	60
Standard Models ICX/FB-F		BHP	6	9.5	10	15	20	30	30	30	30	30
(A)	Boiler Overall Height ⁽¹⁾	IN	53	63	73.5	69.5	76	78.5	80.5	88.5	95	100.5
		MM	1346	1600	1867	1765	1930	1994	2045	2248	2413	2553
(B)	Boiler Height w/ Trim & Fuel Train Assembly ⁽²⁾	IN	63.5	73.5	83	80	86	91.5	93.5	101	106.5	118.5
		MM	1613	1867	2108	2032	2184	2324	2375	2565	2705	3010
(C)	Overall Depth Stack to Burner Fan Housing	IN	44	44	44	45	47	59.5	60	66.5	77	77
		MM	1118	1118	1118	1143	1194	1511	1524	1689	1956	1956
(D)	Boiler Diameter	IN	26	26	26	28	30	39	39	46	55	55
		MM	660	660	660	711	762	991	991	1168	1397	1397
(E)	Overall Width with Water Column	IN	35.5	35.5	35.5	37	39	46.5	47	52.5	60	60
		MM	902	902	902	940	991	1181	1194	1334	1524	1524
(F)	Flue Outlet Diameter	IN	6	6	6	6	8	10	10	12	12	12
		MM	152	152	152	152	203	254	254	305	305	305
(G)	To Center of Flue Outlet	IN	42	52	62	58	63	65	66	73.5	79	85
		MM	1070	1320	1575	1473	1600	1651	1676	1867	2007	2159
(H)	Feedwater Inlet	IN	27	33	33.5	33.5	33.5	34.5	34.5	34.5	35.5	35.5
		MM	686	840	851	851	851	876	876	876	902	902
(I)	Lower Handhole 3" x 4" 4-15 HP - QTY: 2 20-60 HP - QTY: 3	IN	18.5	18.5	18.5	18.5	18.5	20	20	20	20	20.5
		MM	483	483	483	483	483	508	508	508	508	521
(J)	Blowdown Outlet	IN	15	15	15.5	15.5	15.5	16.5	16.5	16.5	17.5	17.5
		MM	380	380	394	394	394	420	420	420	445	445
(K)	Water Column Extension	IN	14	14	14	14	14	14	14.5	14.5	14	14
		MM	356	356	356	356	356	356	368	368	356	356
(L)	Fuel Train Extension ⁽³⁾	IN	33.5	34	34	34	34	33	32	28	27.5	19.5
		MM	851	864	864	864	864	838	813	711	699	495
(M)	Clearance Required for Burner Removal	IN	72	82	92	86	92	96	98	106	114	124
		MM	1828	2083	2337	2184	2337	2438	2490	2692	2896	3150

Weights

Approx. Shipping Weight	LB	1500	1780	2050	2000	2400	3750	3690	5450	7860	8260
	KG	680	807	930	907	1089	1701	1674	2472	3565	3747
Approx. Operating Weight	LB	1617	1913	2183	2200	2725	4392	4374	6868	9903	10512
	KG	733	868	990	998	1236	1992	1984	3115	4492	4768

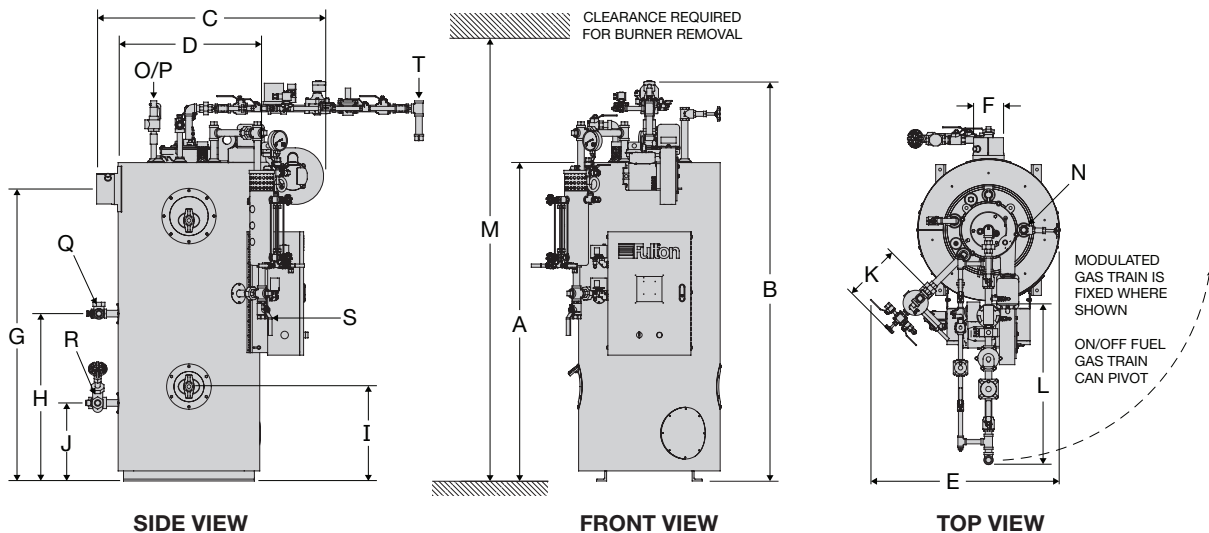
Specifications and dimensions are approximate and subject to change based on optional components. Fulton reserves the right to change specifications and/or dimensions.

NOTE: Recommended minimum clearance is 24" to the side and back of unit; 36" in front.

(1) This dimension is typical for boilers with high pressure openings only. For boilers described as high pressure with low pressure openings, consult factory.

(2) This dimension is 6" less for oil fired units 4-50 HP and 12" less for oil fired units 60 HP.

(3) This dimension is typical for stock US boilers only. Subject to change depending on burner and fuel train options.



Specifications

Models ICS/ICX/FB-A/FB-F			4	6	9.5	10	15	20	25	30	50	60
Boiler Connections			NOTE: All piped connections < 3" are NPT, ≥ 3" are ANSI Class 150 flanged									
(N)	Steam Outlet (High Pressure w/ Low Pressure Openings)	IN	1	1		1.5	2	3	3	3	4	4
		MM	25	25		38	51	76	76	76	102	102
(N)	Steam Outlet (Standard High P ressure)	IN	0.75	0.75	1	1	1.25	1.5	2	2	3	3
		MM	19	19	25	25	32	38	51	51	76	76
(O)	Safety Outlet 15 PSI ⁽⁴⁾	IN	0.75	0.75		0.75	1	1.5	1.5	1.5	2	2
		MM	19	19		19	32	38	38	38	51	51
(O)	Safety Outlet 150 PSI (9.5 HP 100 PSI)	IN	1	1	1	1	1	1	1	1	1.25	1.25
		MM	25	25	25	25	25	25	25	25	32	32
(P)	Safety Valve Inlet 15 PSI	IN	0.75	0.75		0.75	1	1.25	1.25	1.25	1.5	2
		MM	19	19		19	25	32	32	32	38	21
(P)	Safety Valve Inlet 150 PSI (9.5 HP 100 PSI)	IN	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1	1
		MM	19	19	19	19	19	19	19	19	25	25
(Q)	Feedwater Inlet	IN	0.75	0.75	1	1	1	1	1	1	1	1
		MM	19	19	25	25	25	25	25	25	25	25
(R)	Blowdown Outlet	IN	1	1	1	1	1	1.25	1.25	1.25	1.5	1.5
		MM	25	25	25	25	25	32	32	32	38	38
(S)	Watercolumn Blowdown	IN	1	1	1	1	1	1	1	1	1	1
		MM	25	25	25	25	25	25	25	25	25	25
(T)	NG/LPG Connection Size (Std CSD-1)	IN	1	1	1	1	1	1.25	1.25	1.5	1.5	2
		MM	25	25	25	25	25	32	32	38	38	51
(U)	Oil Inlet Size (location not shown)	IN			0.25	0.25	0.25	0.25		0.25	0.25	0.25
		MM			6	6	6	6		6	6	6
Ratings ⁽⁵⁾ (Sea level to 1999 ft.)												
Output	1000 BTU/HR		134	201	319	335	503	670	837	1005	1674	2009
	1000 KCAL/HR		34	51	81	85	127	169	211	254	422	507
Steam Output	LB/HR		138	207	328	345	518	690	863	1035	1725	2070
	KG/HR		63	94	149	157	235	313	392	470	785	939
Approximate Fuel Consumption at Rated Capacity ⁽⁶⁾												
Light Oil	GPH				2.9	3.0	4.5	6.0		9.0	15.0	18.0
	LPH				11.0	11.4	17.0	22.7		34.1	56.8	68.1
Propane Gas (ICS) (11-13.8" WC Required)	FT ³ /HR		67	101	160	168	252	335	419	503	837	1005
	M ³ /HR		1.9	2.9	4.5	4.8	7.1	9.5	11.9	14.2	23.7	28.5
Propane Gas (ICX) (11-13.8" WC Required)	FT ³ /HR			97	154	161	242	323		484		
	M ³ /HR			2.7	4.4	4.6	6.9	9.1		13.7		
Natural Gas (ICS) (4-30 HP: 7-13.8" WC Required) (50-60 HP: 9-13.8" WC Required)	FT ³ /HR		168	251	399	419	629	838	1046	1256	2093	2511
	M ³ /HR		4.8	7.1	11.3	11.9	17.8	23.7	29.6	35.6	59.3	71.1
Natural Gas (ICX) (7-13.8" WC Required)	FT ³ /HR			242	384	404	606	807		1211		
	M ³ /HR			6.9	10.9	11.4	17.2	22.9		34.3		
Burner Motor HP (3450 RPM/60CY, 2850 RPM/50CY)	Gas Only		0.33	0.33	0.33	0.33	0.33	0.33	0.75	0.75	1.5	1.5
	Gas/Oil Combo				0.33	0.33	0.33	0.75		0.75	2	2
Electrical Power Requirements ⁽⁷⁾ ⁽⁸⁾ (Burner Only)												
120V, 60 CY, 1 Phase	(Gas/Oil)	Amps	7.2	7.2	7.2	7.2	7.2	7.2/13.8	13.8	13.8	20/24	20/24
240V, 50/60 CY, 1 Phase	(Gas/Oil)	Amps	3.6	3.6	3.6	3.6	3.6	3.6/6.9	6.9	6.9	10/12	10/12
208V, 50/60 CY, 3 Phase	(Gas/Oil)	Amps	2.4	2.4	2.4	2.4	2.4	2.4/3.5	3.7	3.7	6.9/7.8	6.9/7.8
240 V, 50/60 CY, 3 Phase	(Gas/Oil)	Amps	2.2	2.2	2.2	2.2	2.2	2.2/3.2	3.2	3.2	6.0/6.8	6.0/6.8
480 V, 50/60 CY, 3 Phase	(Gas/Oil)	Amps	1.1	1.1	1.1	1.1	1.1	1.1/1.6	1.6	1.6	3.0/3.4	3.0/3.4
575 V, 60 CY, 3 Phase	(Gas/Oil)	Amps	0.9	0.9	0.9	0.9	0.9	0.9/1.3	1.3	1.3	2.4/2.7	2.4/2.7
Water Content												
	US Gallons		14	16	16	24	39	77	82	170	245	270
	Liters		53	61	61	91	148	291	310	644	927	1022

Specifications and dimensions are approximate. Fulton reserves the right to change specifications and/or dimensions.

(4) 50 and 60 HP have two safety valves on low pressure.

(5) Steam output ratings at 212°F (100°C) feedwater temperature; 0 PSIG.

(6) Consumption based on #2 oil 140,000 BTU/gal; Natural Gas 1,000 BTU/ft³; Propane 2,500 BTU/ft³.

(7) Power requirements shown are for standard unit packages and may vary slightly when additional control options are added.

(8) Where two amperage specifications are shown, they correlate to both the smaller and larger burner options respectively.



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