

But Innovation Always Will.

	KN-6	KN-10	KN-16	KN-20	KN-26	KN-30	KN-40
Boiler Ratings and Capacities							
Input BTU/HR	600,000	1,000,000	1,600,000	1,999,000	2,600,000	3,000,000	4,000,000
Output BTU/HR (High Fire)	540,000	900,000	1,440,000	1,799,100	2,340,000	2,700,000	3,540,000
AHRI Thermal Efficiency (%)	90	90	90.0	90	90	90.0	88.5
AHRI Combustion Efficiency (%)	87	86.8	86.0	86.6	86	85.8	86.6
Turn Down	10:1*	10:1*	10:1*	10:1*	10:1*	10:1*	10:1*
Boiler HP	16	27	43	54	70	81	106
Fuel Type	NG/Prop	NG/Prop	NG/Prop	NG/Prop	NG/Prop	NG/Prop	NG/Prop
Category	CAT II/IV	CAT II/IV	CAT II/IV	CAT II/IV	CAT II/IV	CAT II/IV	CAT II/IV
Water Volume (gal)	7.9	11.9	17.9	21.9	27.7	31.7	41.6
Design Data - (Max working Press)	100 psig	100 psig	100 psig	100 psig	100 psig	100 psig	100 psig
ASME Sect IV Fireside Htg Surface (sq-ft)	21.18	34.48	54.43	67.72	87.69	100.98	134.23
ASME Sect IV Waterside Htg Surface (sq-ft)	21.32	35.54	56.86	71.08	92.41	106.63	142.17
Cv GPM (1PSIG)	62	100	140	161	222	246	271
Electrical (Standard)	120 V - 1ph	120 V - 1ph	230V - 1ph	230V - 1ph	230V - 3ph	230V - 3ph	230V - 3ph
Electrical (Optional - 3ph)	N/A	N/A	208V-575V	208-575V	208-575V	208-575V	208-575V
Boiler FLA (amps) - Standard Voltage***	15.8	15.8	19.8	19.8	16.1	16.1	19.9
Min. Gas Pressure (w.c.)	3	3	3	3	3	3	3
Max. Gas Pressure (w.c.)	14	14	14	14	14	14	14
Boiler Temp Rise/Press Drop							
Max. Flow Rate (gpm) @ 20 delta-t (f)	54.0	90.0	144.1	180.0	234.1	270.1	354.1
Min. Flow Rate (gpm) @ 100 delta-t (f)	10.8	18.0	28.8	36.0	46.8	54.4	70.8
40 deg f - delta t (Flow Rate, gpm)	27.0	45.0	72.0	90.0	117.0	135.1	177.1
Pressure drop (ft-hd)	0.44	0.47	0.61	0.72	0.64	0.70	0.99
60 deg f - delta t (Flow Rate, gpm)	18.0	30.0	48.0	60.0	78.0	90.0	118.0
Pressure drop (ft-hd)	0.19	0.21	0.27	0.32	0.29	0.31	0.44
80 deg f - delta t (Flow Rate, gpm)	13.5	22.5	36.0	45.0	58.5	67.5	88.5
Pressure drop (ft-hd)	0.11	0.12	0.15	0.18	0.16	0.17	0.25
Max Vent (Equiv. ft)	120	120	120	120	120	120	100
Max Combustion Air (Equiv. ft)	120	120**	120	120	120	120	100
Boiler Trim							
Number of Relief Valves	1	1	1	1	1	1	1
Relief Valve Pressure Rating (PSI)	50	50	50	50	50	50	50
Inlet Water Connection (in)	3	3	3	3	4	4	4
Outlet Water Connection (in)	3	3	3	3	4	4	4
Gas Connection (in)	1	1	1 1/2	1 1/2	1 1/2	1 1/2	2
Vent Outlet Connection (in)	4	4/5**	6	6	8	8	10
Standard Vent Material	SS	SS	SS	SS	SS	SS	SS
Combustion Air Connection	6	6	8	8	8	8	12
Dimensions							
Height (in)	71 17/32	71 17/32	71 3/8	71 29/32	71 29/32	71 29/32	73 15/32
Width (in)	35 1/8	35 3/32	34 31/32	34 29/32	34 9/32	34 9/32	33 3/16
Depth (in)	42 9/16	49 15/16	59 7/32	66 19/32	77 29/32	85 9/32	105 11/16
Operating Weight (lbs.)	1150	1557	2360	2714	3425	3850	4627
Shipping Weight (lbs.)	1080	1400	2160	2480	3120	3500	4280
Clearance Service/Combustible							
Front (in)	36/6	36/6	36/6	36/6	36/6	36/6	36/6
Rear (in)	24/6	24/6	24/6	24/6	24/6	24/6	24/6
Right Side (in)	6/6	6/6	6/6	6/6	6/6	6/6	6/6
Left Side (in)	6/6	6/6	6/6	6/6	6/6	6/6	6/6
Top (in)	24/6	24/6	24/6	24/6	24/6	24/6	24/6

* 5:1 Standard Turndown

** Max equivalent length of 80' using 4" and 120' using 5".

*** Add circulator amps.