Flexcore Boiler Product Summary
CK1500-CK6000

* Pending	CK 1500	CK 2000	CK 2500	CK 3000	CK 3500	CK 4000	CK 4500	CK 5000	CK 6000
Boiler Ratings and Capacities									
Input BTU/HR	1,500,000	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	4,500,000	5,000,000	6,000,000
Output BTU/HR (High Fire)	1,426,500	*	*	2,904,000	*	*	4,315,500	*	5,808,000
AHRI Thermal Efficiency (%)	95.1	*	*	96.8	*	*	95.9	*	96.8
Turn Down	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1
Boiler HP	42.6	*	*	86.8	*	*	128.9	*	173.5
Fuel Type	Nat Gas	Nat Gas	Nat Gas	Nat Gas	Nat Gas	Nat Gas	Nat Gas	Nat Gas	Nat Gas
Category	CAT II/IV	CAT II/IV	CAT II/IV	CAT II/IV	CAT II/IV	CAT II/IV	CAT II/IV	CAT II/IV	CAT II/IV
Water Volume (gal)	40	*	*	56	*	*	96	*	112
Design Data - (Max working Press)	160 psig	160 psig	160 psig	160 psig	160 psig	160 psig	160 psig	160 psig	160 psig
ASME Sect IV Fireside Htg Surface	124	*	*	235	*	*	359	*	470
ASME Sect IV Waterside Htg Surface	132	*	*	244	*	*	376	*	488
Cv GPM (1PSIG)	85	*	*	132	*	*	*	*	*
Electrical (Standard)	230V - 1ph	230V - 1ph	230V - 3ph	230V - 3ph	230V - 3ph	230V - 3ph	230V - 3ph	230V - 3ph	230V - 3ph
Electrical (Optional - 3ph)	208V-575V	208-575V	460-575V	460-575V	460-575V	460-575V	460-575V	460-575V	460-575V
Boiler FLA (amps)	10.3	10.3	10.3	10.3	20.7	20.7	20.7	20.7	20.7
Min. Gas Pressure (w.c.)	3	3	3	3	3	3	3	3	3
Max. Gas Pressure (w.c.)	14	14	14	14	14	14	14	14	14
Boiler Temp Rise/Press Drop									
Max. Flow Rate (gpm)	142.7	*	*	290.5	*	*	431.7	*	581
Min. Flow Rate (gpm)	28.5	*	*	58.1	*	*	86.3	*	116.2
40 deg f - delta t (Flow Rate, gpm)	71.4	*	*	145.3	*	*	215.9	*	290.5
Pressure drop (ft-hd)	1.6	*	*	2.8	*	*	*	*	*
60 deg f - delta t (Flow Rate, gpm)	47.6	*	*	96.8	*	*	143.9	*	193.7
Pressure drop (ft-hd)	0.7	*	*	1.2	*	*	*	*	*
80 deg f - delta t (Flow Rate, gpm)	35.7	*	*	72.6	*	*	107.9	*	145.3
Pressure drop (ft-hd)	0.4	*	*	0.7	*	*	*	*	*
Max Vent (Equiv. ft)	100	100	100	100	100	100	100	100	100
Max Combustion Air (Equiv. ft)	100	100	100	100	100	100	100	100	100
Boiler Trim									
Number of Relief Valves	1	1	1	1	2	2	2	2	2
Relief Valve Pressure Rating (PSI)	50	50	50	50	50	50	50	50	50
Inlet Water Connection (in)	2-1/2	2-1/2	3	3	4	4	4	4	4
Outlet Water Connection (in)	2-1/2	2-1/2	3	3	4	4	4	4	4
Gas Connection (in)	1-1/2	1-1/2	1-1/2	1-1/2	2	2	2	2	2
Vent Outlet Connection (in)	6	6	8	8	10	10	10	12	12
Vent Material	SS	SS	SS	SS	SS	SS	SS	SS	SS
Combustion Air Connection	8	8	8	8	10	10	10	12	12
Dimensions									
Height (in)	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
Width (in)	32	32	32	32	34	34	34	34	34
Depth (in)	67	67	67	67	109.4	109.4	109.4	109.4	109.4
Operating Weight (lbs.)	1500	*	*	2100	*	*	*	*	*
Shipping Weight (lbs.)	*	*	*	*	*	*	*	*	*
Clearance Service/Combustible									
Front (in)	36/6	36/6	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	24/6	24/6
Right Side (in)	24/6	24/6	24/6	24/6	24/6	24/6	24/6	24/6	24/6
Left Side (in)	24/6	24/6	24/6	24/6	24/6	24/6	24/6	24/6	24/6
Top (in)	30/6	30/6	30/6	30/6	30/6	30/6	30/6	30/6	30/6