



CREST BOILER with HELLCAT COMBUSTION TECHNOLOGY PRODUCT SUMMARY
(FCB) 1,000,000 - 6,000,000 BTU/HR

	FCB1000	FCB1500	FCB2000	FCB2500	FCB3000	FCB4000	FCB5000	FCB6000
WATER								
GALLON CAPACITY	77	94	111	157	156	201	254	304
HEATING SURFACE (SQ. FT.)	115	162	198	241	265	352	452	563
INLET WATER CONNECTION	3" Flanged	4" Flanged	4" Flanged	4" Flanged	4" Flanged	4" Flanged	6" Flanged	6" Flanged
OUTLET WATER CONNECTION	3" Flanged	4" Flanged	4" Flanged	4" Flanged	4" Flanged	4" Flanged	6" Flanged	6" Flanged
DRAIN	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
MAXIMUM FLOW RATE (GPM)	350	350	350	350	350	350	600	600
ABSOLUTE MINIMUM FLOW RATE (GPM)	18	25	25	25	25	45	50	60
20°F ΔT WATER FLOW (GPM)	96	144	192	240	288	350†	480	576
HEAD LOSS (FT. OF HD.)	8.3	12.3	14.5	8.4	8.0	10.9	13.9	17.2
40°F ΔT WATER FLOW (GPM)	48	72	96	120	144	192	240	288
HEAD LOSS (FT. OF HD.)	6.0	7.3	8.1	5.3	4.0	5.9	7.6	9.4
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160
# OF RELIEF VALVES	1	1	1	1	1	1	1	1
RELIEF VALVE SIZE	1 1/4	1	1 1/2	1 1/2	1 1/2	2	2	2 1/2
RELIEF VALVE RATING (MBH)	1,954	1,954	1,954	3,075	3,075	4,237	5,575	7,672
RELIEF VALVE PRESSURE RATING (PSI)	50	50	50	50	50	50	50	50
GAS								
BTU/HR INPUT	999,000	1,500,000	1,999,000	2,500,000	3,000,000	3,999,000	4,999,000	6,000,000
BTU/HR OUTPUT (HIGH FIRE)	961,000	1,443,000	1,923,000	2,400,000	2,883,000	3,843,000	4,804,000	5,766,000
BTU/HR OUTPUT (LOW FIRE)	48,100	57,720	76,920	120,000	144,150	192,150	240,200	288,300
HORSE POWER (INPUT)	30	45	60	75	90	119	149	179
INLET CONNECTION	1 1/4	1 1/2	1 1/2	2	2	2 1/2	2 1/2	3
MAX. INLET PRESSURE, NAT	14" w.c	14" w.c	14" w.c	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.
MIN. INLET PRESSURE, NAT	4" w.c.	4" w.c.	4" w.c.	4" w.c.	4" w.c.	4" w.c.	4" w.c.	4" w.c.
MAX. INLET PRESSURE, LP	14" w.c	14" w.c	14" w.c	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.
MIN. INLET PRESSURE, LP	8" w.c.	8" w.c.	8" w.c.	8" w.c.	8" w.c.	8" w.c.	8" w.c.	8" w.c.
ELECTRICAL *								
VOLTAGE/HEATER (VAC)	120V/1PH/60Hz	120V/1PH/60Hz	120V/1PH/60Hz	208V/3PH/60Hz	208V/3PH/60Hz	480V/3PH/60Hz	480V/3PH/60Hz	480V/3PH/60Hz
VOLTAGE/CONTROL (VAC)	24	24	24	24	24	24	24	24
TOTAL AMPS (FLA)	6.0	10.0	13.0	4.5	6.5	6.0	5.0	7.0
MINIMUM CIRCUIT AMPS (MCA)	7.5	12.5	16.3	5.6	8.1	7.5	6.3	8.8
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1	1
DIMENSIONS								
HEIGHT	78	78	78	77 3/4	77 3/4	78	78	78
WIDTH	30	30	30	35	35	43 1/4	46 1/2	50
DEPTH	57 1/2	64	64 1/4	79 1/4	79 1/4	95 1/4	96 1/2	102 3/4
SHIPPING WEIGHT (lbs.)	1,721	1,985	2,120	2,812	2,848	3,874	4,470	4,862
OPERATING WEIGHT (lbs.)	1,939	2,345	2,622	3,555	3,582	4,882	5,920	6,755
SERVICE CLEARANCES (RECOMMENDED)								
FRONT	30	30	30	30	30	30	30	30
REAR	24	24	24	24	24	24	24	24
RIGHT SIDE	24	24	24	24	24	24	24	24
LEFT SIDE	24	24	24	24	24	24	24	24
TOP	24	24	24	24	24	24	24	24
DIRECT VENTING								
VENT SIZE	6	8	8	9	10	12	14	14
AIR INLET SIZE	6	8	8	8	10	12	14	14
VENT CATEGORY	II or IV	II or IV	II or IV	II or IV	II or IV	II or IV	II or IV	II or IV
VENT MATERIAL	SS, CPVC, PVC, Polypro	SS, CPVC, PVC, Polypro	SS, CPVC, PVC, Polypro	SS, CPVC, PVC, Polypro	SS, CPVC, PVC, Polypro	SS, CPVC, PVC, Polypro	Stainless Steel	Stainless Steel

* Electrical - For alternate voltages and amp draws, please consult the factory or the installation and operation manual.

† Data based on 22°F delta T

Unless otherwise specified dimensions are in inches.

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