



**POWERHOUSE**

# BOILER SPECIFICATION SHEET

POWERHOUSE.COM

800.37.STEAM



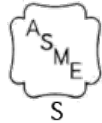
## B-1269

1984 CB-400-350-200



# GENERAL DESIGN

## STANDARDS & CERTIFICATIONS



ASME Section I



National Board  
Registered



NFPA-85 Build  
Standard



Hartford Steam  
Boiler Inspected

MANUFACTURER (OEM)	Cleaver-Brooks
YEAR	1984
SERIAL NO.	L-78812
NATIONAL BOARD NO.	58481
CRN NO.	-
MODEL	CB-400-350-200
ASME CODE SECTION	Sect I - High Pressure Steam
TYPE	Scotch
DESIGN	Four-Pass Dry Back Firetube
MOUNTING	Legs & Skid-Mounted
INTERNAL	Corrugated Furnace & Straight Tubes



# CAPACITIES & INPUTS

OUTPUT SERVICE	LPS & HPS
OUTPUT CAPACITY	12,075 LB/HR
HORSEPOWER	350 BHP
DESIGN PRESSURE (MAWP)	200 PSIG
OPERATING RANGE	15 - 185 PSIG
HEATING SURFACE	1,750 ft <sup>2</sup>
MAX. FUEL INPUT	NG: 14,650,000 BTU/HR #2: 104.6 GAL/HR
STANDARD FUELS <sup>1</sup>	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS <sup>2</sup>	#6 Fuel Oil
INPUT GAS PRESSURE	MIN: 29.0" WC
TURNDOWN RATIOS	NG: 10:1 #2: 8:1
EMISSION RATING (NOX)	Uncontrolled (100/502 PPM)

<sup>1</sup> Standard Fuels: Boiler comes ready to burn these fuels including fuel train, safety devices, integral wiring and delivery systems.

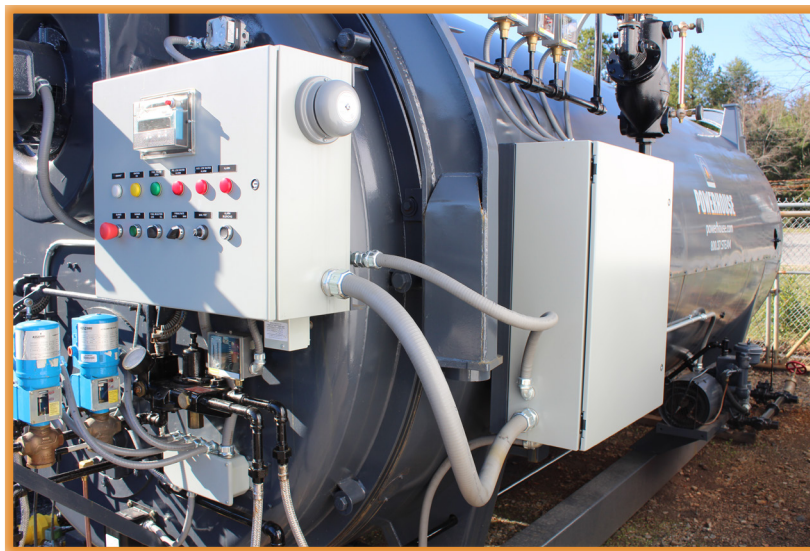
<sup>2</sup> Additional Fuels: Boiler is capable of running on these fuels but requires modifications to the burner, fuel delivery systems and wiring, at additional cost.





# BURNER AND ELECTRICAL

BURNER MANUFACTURER (OEM)	Cleaver-Brooks
MODEL	Integral
TYPE	Full Modulation
FLUE GAS RECIRCULATION (FGR)	No
ELECTRIC	460V/3PH/60Hz
ATOMIZATION	Air
CONTROL TYPE	Single Point Positioning
BOILER CONTROL SYSTEM	-
BURNER MANAGMENT SYSTEM	Honeywell RM7800
FLAME SAFEGUARD	IR Scanner
BLOW MOTOR	20 HP
BURNER INSTALLED	Yes
PILOT TYPE	Interrupted Gas
INSTRUMENT AIR	Oil Atomization
AIR COMPRESSOR	Included







# DIMENSIONS AND WEIGHTS

OVERALL LENGTH	21' 7-1/2"
OVERALL HEIGHT	8' 10"
OVERALL WIDTH	9' 4"
SHIPPING WEIGHT	28,500 LBS
OPERATING WEIGHT	43,965 LBS
BOILER OUTLET	12" $\varnothing$ 300# FLG.
EXHAUST OUTLET	20" $\varnothing$ OD



**800.37.STEAM**

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