



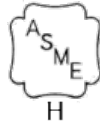
B-1010T

1989 CB-200-125-15



GENERAL DESIGN

STANDARDS & CERTIFICATIONS



ASME Section IV



National Board
Registered



NFPA-85 Build
Standard



Hartford Steam
Boiler Inspected

MANUFACTURER (OEM)	Cleaver-Brooks
YEAR	1989
SERIAL NO.	97427
NATIONAL BOARD NO.	68075
CRN NO.	-
MODEL	CB-200-125-15
ASME CODE	Section IV, Low Pressure Steam
TYPE	Scotch
DESIGN	Four-Pass Dryback Firetube
MOUNTING	Legs & Skid-Mounted
INTERNAL	Plain Furnace & Straight Tubes



CAPACITIES & INPUTS

OUTPUT CAPACITY	4,313 LB/HR
HORSEPOWER	125 BHP
DESIGN PRESSURE (MAWP)	15 PSIG
OPERATING RANGE	0 - 15 PSIG
HEATING SURFACE	625 ft ²
MAX. FUEL INPUT	NG: 5,230,000 BTU/HR #2: 37.5 GAL/HR
STANDARD FUELS ¹	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS ²	
INPUT GAS PRESSURE	MIN: 7.5 " WC
TURNDOWN RATIOS	NG: 4:1 #2: 4:1
EMISSION RATING (NOX)	Uncontrolled (~100 PPM)

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

² 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 MANAGEMENT SYSTEM	Honeywell RM7800L
FLAME SAFEGUARD	IR Scanner
BLOW MOTOR	5 HP
BURNER INSTALLED	Yes
PILOT TYPE	Propane (LPG), NG
INSTRUMENT AIR	Oil Atomization
AIR COMPRESSOR	Belt Driven on Blower Motor



DIMENSIONS AND WEIGHTS

OVERALL LENGTH	14' 07"
OVERALL HEIGHT	7' 01"
OVERALL WIDTH	7' 02"
SHIPPING WEIGHT	11,750 LBS
OPERATING WEIGHT	17,500 LBS
BOILER OUTLET	8" 150# FLG
EXHAUST OUTLET	16" \varnothing OD





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