



B-1290

1995 CB-200-800-250



GENERAL DESIGN

STANDARDS & CERTIFICATIONS



ASME Section I



National Board
Registered



NFPA-85 Build
Standard



Hartford Steam
Boiler Inspected

MANUFACTURER (OEM)	Cleaver-Brooks
YEAR	1995
SERIAL NO.	L-94207
NATIONAL BOARD NO.	4339
CRN NO.	-
MODEL	CB-200-800-250
ASME CODE SECTION	Section I
TYPE	Scotch
DESIGN	Four-Pass Dryback Firetube
MOUNTING	Legs & Skid-Mounted
INTERNAL	Corrugated Furnace & Straight Tubes



CAPACITIES & INPUTS

OUTPUT SERVICE	HPS
OUTPUT CAPACITY	27,600 LB/HR
HORSEPOWER	800 BHP
DESIGN PRESSURE (MAWP)	250 PSIG
OPERATING RANGE	100 - 235 PSIG
HEATING SURFACE	3,500 ft ²
MAX. FUEL INPUT	NG: 33,476,000 BTU/HR #2: 239 GAL/HR
STANDARD FUELS ¹	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS ²	#6 Fuel Oil
INPUT GAS PRESSURE	MAX: 5.0 PSIG MIN: 3.0 PSIG
TURNDOWN RATIOS	NG: 10:1 #2: 8:1
EMISSION RATING (NOX)	NG: 100 PPM #2: 185 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.



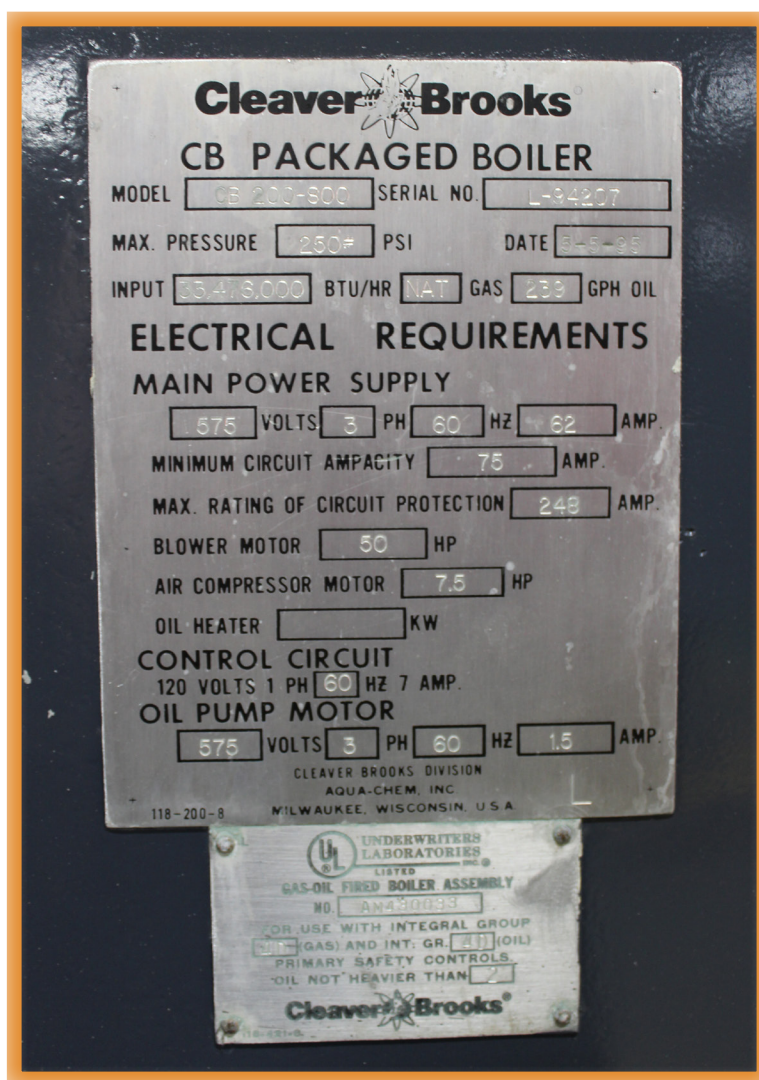
BURNER AND ELECTRICAL

BURNER MANUFACTURER (OEM)	Cleaver-Brooks
MODEL	Integral
TYPE	Full Modulation
FLUE GAS RECIRCULATION (FGR)	Yes
ELECTRIC	480V/3Ph/60Hz
ATOMIZATION	Air
CONTROL TYPE	Single-Point Positioning
BOILER CONTROL SYSTEM	-
BURNER MANAGAMENT SYSTEM	Honeywell RM7800L
FLAME SAFEGUARD	IR Scanner
BLOW MOTOR	50 HP
BURNER INSTALLED	Yes
PILOT TYPE	Propane (LPG), NG, Spark
INSTRUMENT AIR	Oil Atomization
AIR COMPRESSOR	7.5 HP (Included)



DIMENSIONS AND WEIGHTS

OVERALL LENGTH	26' 5"
OVERALL HEIGHT	10' 6"
OVERALL WIDTH	10' 3"
SHIPPING WEIGHT	60,000 LBS
OPERATING WEIGHT	87,790 LBS
BOILER OUTLET	8" ø 300# STUDDERY FLG.
EXHAUST OUTLET	27" ø OD



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