



B-891

2010 CBR-200-350-250



GENERAL DESIGN

STANDARDS & CERTIFICATIONS



ASME Section I



National Board
Registered



NFPA-85 Build
Standard



Hartford Steam
Boiler Inspected

MANUFACTURER (OEM)	Cleaver-Brooks
YEAR	2010
SERIAL NO.	T1634-4-1
NATIONAL BOARD NO.	16601
CRN NO.	M7181.5
MODEL	CBR-200-350-250
TYPE	Scotch
DESIGN	Two-Pass Dryback Firetube
MOUNTING	Saddles & Skid-Mounted
INTERNAL	Corrugated Furnace & Straight Riffled Tubes





CAPACITIES & INPUTS

OUTPUT CAPACITY	12,075 LB/HR
HORSEPOWER	350 BHP
DESIGN PRESSURE (MAWP)	250 PSIG
OPERATING RANGE	50 - 235 PSIG
HEATING SURFACE	1,238 ft ²
MAX. FUEL INPUT	NG: 14,644,00 BTU/HR #2: 104.6 GAL/HR
STANDARD FUELS ¹	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS ²	
INPUT GAS PRESSURE	MAX: 2.2 PSIG MIN: 1.4 PSIG
TURNDOWN RATIOS	NG: 10:1 #2: 8:1
EMISSION RATING (NOX)	NG: 30 PPM #2: 90 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 - LE
TYPE	Full Modulation
FLUE GAS RECIRCULATION (FGR)	Yes
ELECTRIC	480V/3Ph/60Hz
ATOMIZATION	Air
CONTROL TYPE	Single-Point Positioning
BOILER CONTROL SYSTEM	-
BURNER MANAGEMENT SYSTEM	Honeywell RM7800L
FLAME SAFEGUARD	IR Scanner
BLOW MOTOR	30 HP
BURNER INSTALLED	Yes
PILOT TYPE	Propane (LPG), NG, Spark
INSTRUMENT AIR	Oil Atomization
AIR COMPRESSOR	5HP (Included)





DIMENSIONS AND WEIGHTS

OVERALL LENGTH	21' 6"
OVERALL HEIGHT	8' 6-1/2"
OVERALL WIDTH	7' 3-5/8"
SHIPPING WEIGHT	34,350 LBS
OPERATING WEIGHT	44,900 LBS
BOILER OUTLET	6" \varnothing 300# FLG.
EXHAUST OUTLET	20" \varnothing OD





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