



**B-1193**

1998 CBLE-200-700-150



# GENERAL DESIGN

## STANDARDS & CERTIFICATIONS



ASME Section I



National Board  
Registered



NFPA-85 Build  
Standard



Hartford Steam  
Boiler Inspected

MANUFACTURER (OEM)	Cleaver-Brooks
YEAR	1998
SERIAL NO.	OL097980
NATIONAL BOARD NO.	9460
CRN NO.	-
MODEL	CBLE-200-700-150
TYPE	Scotch
DESIGN	Four-Pass Dryback Firetube
MOUNTING	Saddles & Skid Mounted
INTERNAL	Straight Furnace & Straight Tubes



# CAPACITIES & INPUTS

OUTPUT CAPACITY	24,150 LBS/HR
HORSEPOWER	700 BHP
DESIGN PRESSURE (MAWP)	150 PSIG
OPERATING RANGE	50 - 140 PSIG
HEATING SURFACE	3,500 ft <sup>2</sup>
MAX. FUEL INPUT	NG: 28,576,200 BTU/HR #2: 204.1 GPH
STANDARD FUELS <sup>1</sup>	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS <sup>2</sup>	#6 Fuel Oil
INPUT GAS PRESSURE	MIN: 2.24 PSIG
TURNDOWN RATIOS	NG: 10:1 #2: 8:1
EMISSION RATING (NOX)	NG: 20 PPM #2: 90 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	LE
TYPE	Full Modulation
FLUE GAS RECIRCULATION (FGR)	Yes, 18%
ELECTRIC	480V/3Ph/60Hz
ATOMIZATION	Air
CONTROL TYPE	Single Point Positioning
BOILER CONTROL SYSTEM	-
BURNER MANAGEMENT SYSTEM	Honeywell RM7800
FLAME SAFEGUARD	IR Scanner
BLOW MOTOR	75 HP
BURNER INSTALLED	Yes
PILOT TYPE	NG / Spark
INSTRUMENT AIR	-
AIR COMPRESSOR	Included (7.5 HP)



# DIMENSIONS AND WEIGHTS

OVERALL LENGTH	25' 5-5/8"
OVERALL HEIGHT	11' 2"
OVERALL WIDTH	9' 7"
SHIPPING WEIGHT	52,050 LBS
OPERATING WEIGHT	75,050 LBS
BOILER OUTLET	8" $\varnothing$ 300# FLG.
EXHAUST OUTLET	24" $\varnothing$ OD





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