



B-1149

1998 Cleaver Brooks CB-700-300-15ST



GENERAL DESIGN

STANDARDS & CERTIFICATIONS



ASME Section IV



National Board
Registered



NFPA-85 Build
Standard



Hartford Steam
Boiler Inspected

MANUFACTURER (OEM)	Cleaver-Brooks
YEAR	1998
SERIAL NO.	0L097371
NATIONAL BOARD NO.	9136
CRN NO.	-
MODEL	CB-700-300-15
TYPE	Scotch
DESIGN	Four-Pass Dry Back Firetube
MOUNTING	Saddles & Skid-Mounted
INTERNAL	Corrugated Furnace & Straight Riffled Tubes



CAPACITIES & INPUTS

OUTPUT CAPACITY	10,350 LB/HR
HORSEPOWER	300 BHP
DESIGN PRESSURE (MAWP)	15 PSIG
OPERATING RANGE	3-12 PSIG
HEATING SURFACE	1,500 ft ²
MAX. FUEL INPUT	12,553,000
STANDARD FUELS ¹	Natural Gas
ADDITIONAL FUELS ²	#2 Fuel Oil
INPUT GAS PRESSURE	15.5" WC Minimum
TURNDOWN RATIOS	4:1
EMISSION RATING (NOX)	100 PPM Uncontrolled

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	None
CONTROL TYPE	Single-Point Positioning
BOILER CONTROL SYSTEM	-
BURNER MANAGAMENT SYSTEM	CB780
FLAME SAFEGUARD	IR Scanner
BLOW MOTOR	7.5 HP TEFC
BURNER INSTALLED	Yes
PILOT TYPE	NG / Propane
INSTRUMENT AIR	None
AIR COMPRESSOR	Not Required



DIMENSIONS AND WEIGHTS

OVERALL LENGTH	18' 7-1/2"
OVERALL HEIGHT	8' 10"
OVERALL WIDTH	8' 7"
SHIPPING WEIGHT	24,000 LBS
OPERATING WEIGHT	37,000 LBS
BOILER OUTLET	12" ø 150# R.F. FLG.
EXHAUST OUTLET	20" ø OD





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