



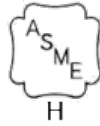
B-1207

2007 CBLE-200-500-15



GENERAL DESIGN

STANDARDS & CERTIFICATIONS



ASME Section IV



National Board
Registered



NFPA-85 Build
Standard



Hartford Steam
Boiler Inspected

MANUFACTURER (OEM)	Cleaver-Brooks
YEAR	2007
SERIAL NO.	OL106225
NATIONAL BOARD NO.	15073
CRN NO.	-
MODEL	CBLE-200-500-15
TYPE	Scotch
DESIGN	Four-Pass Dry Back Firetube
MOUNTING	Saddles & Skid-Mounted
INTERNAL	Straight Furnace & Straight Tubes



CAPACITIES & INPUTS

OUTPUT CAPACITY	17,250 LB/HR
HORSEPOWER	500 BHP
DESIGN PRESSURE (MAWP)	15 PSIG
OPERATING RANGE	5 - 12 PSIG
HEATING SURFACE	2500 FT ²
MAX. FUEL INPUT	NG: 20,412,000 BTU/HR #2: 20,412,000 BTU/HR
STANDARD FUELS ¹	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS ²	#6 Fuel Oil
INPUT GAS PRESSURE	35 "WC Minimum
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.



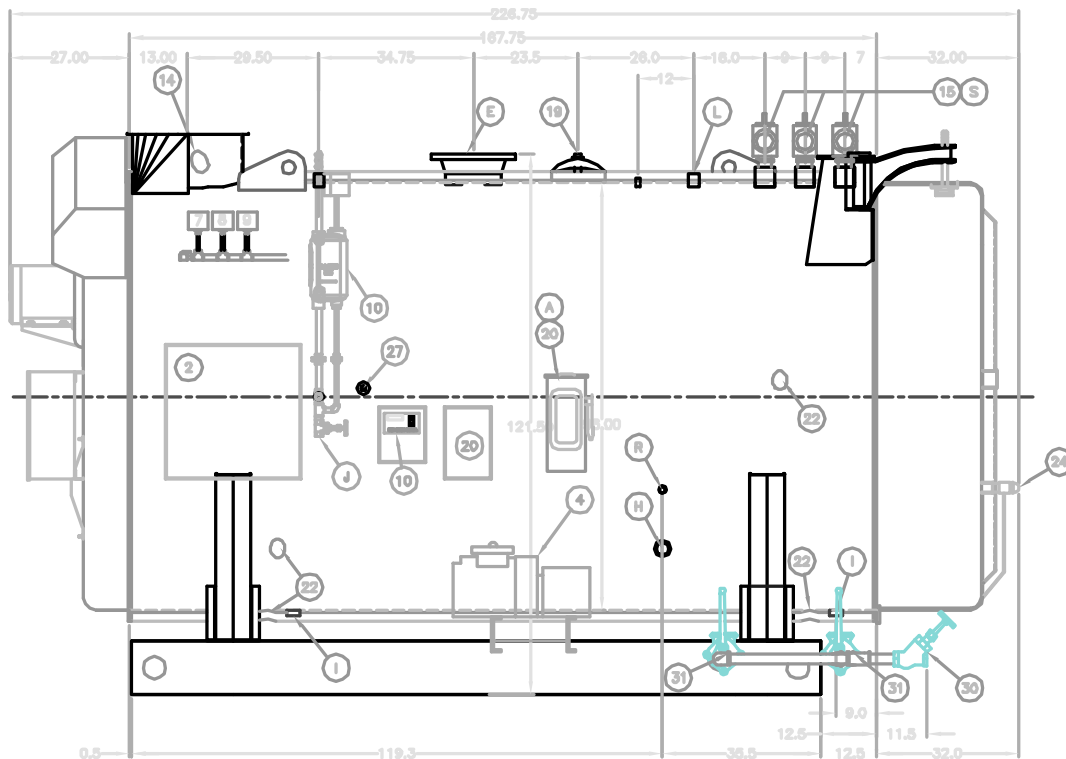
BURNER AND ELECTRICAL

BURNER MANUFACTURER (OEM)	Cleaver-Brooks
MODEL	Integral - LE
TYPE	Full Modulation
FLUE GAS RECIRCULATION (FGR)	Yes
ELECTRIC	460V/3PH/60Hz
ATOMIZATION	Air
CONTROL TYPE	Integrated Parallel Positioning
BOILER CONTROL SYSTEM	CB HAWK-ICS
BURNER MANAGMENT SYSTEM	Cleaver-Brooks CB-120E
FLAME SAFEGUARD	IR Scanner
BLOW MOTOR	20 HP TEFC with Variable Speed Drive
BURNER INSTALLED	Yes
PILOT TYPE	Natural Gas - Spark
INSTRUMENT AIR	-
AIR COMPRESSOR	7.5 HP



DIMENSIONS AND WEIGHTS

OVERALL LENGTH	18' 10-3/4"
OVERALL HEIGHT	11' 2"
OVERALL WIDTH	10' 4"
SHIPPING WEIGHT	37,110 LBS
OPERATING WEIGHT	53,060 LBS
BOILER OUTLET	12" \varnothing 150# FLG.
EXHAUST OUTLET	24" \varnothing OD





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