



(POSITIONED ON SIDE FOR SHIPPING)

B-964

2010 Rentec D-Type Watertube

New - Never Installed/Fired



GENERAL DESIGN

STANDARDS & CERTIFICATIONS



ASME Section I



National Board
Registered



NFPA-85 Build
Standard



Hartford Steam
Boiler Inspected

MANUFACTURER (OEM)	Rentec
YEAR	2010
SERIAL NO.	2009-54
NATIONAL BOARD NO.	528
CRN NO.	-
MODEL	D-Type
ASME CODE	Sect I - SH Steam
TYPE	Watertube
DESIGN	Superheat Watertube
MOUNTING	Integral Rail
INTERNAL	Refractory Free Welded Membrane Wall, Chevron Vane Separation, & Convective Superheater



CAPACITIES & INPUTS

OUTPUT CAPACITY	50,000 LB/HR
HORSEPOWER	1,449 BHP
DESIGN PRESSURE (MAWP)	650 PSIG
OPERATING RANGE	450 - 600 PSIG
HEATING SURFACE	3,398 ft ²
MAX. FUEL INPUT	NG: 63,790,000 BTU/HR #2: 61,260,000 BTU/HR
STANDARD FUELS ¹	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS ²	
INPUT GAS PRESSURE	MIN: 15 PSIG
TURNDOWN RATIOS	NG: 5:1 #2: 5:1
EMISSION RATING (NOX)	NG: 0.05 LB/MMBTU (~42 PPM) #2: 0.10 LB/MMBTU (~78 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)	W.N.Best Combustion Equipment
MODEL	NOxMiser: 40PAC-20
TYPE	Full Modulation
FLUE GAS RECIRCULATION (FGR)	Yes
ELECTRIC	480V/3Ph/60Hz
ATOMIZATION	Steam
CONTROL TYPE	Parallel Positioning
BOILER CONTROL SYSTEM	Powerhouse BoilerLink®
BURNER MANAGMENT SYSTEM	Included in BoilerLink®
FLAME SAFEGUARD	UV Scanner
BLOW MOTOR	60 HP
BURNER INSTALLED	Yes
PILOT TYPE	Natural Gas
INSTRUMENT AIR	-
AIR COMPRESSOR	Not Required



DIMENSIONS AND WEIGHTS

OVERALL LENGTH	28' 3"
OVERALL HEIGHT	16' 0"
OVERALL WIDTH	12' 9"
SHIPPING WEIGHT	85,500 LBS
OPERATING WEIGHT	107,000 LBS
BOILER OUTLET	6" NPS (BW)
EXHAUST OUTLET	104" X 36-1/2"





AUXILIARY COMPONENTS

ITEM #1	STACK TRANSITION
ITEM #2	E-TECH ECONOMIZER
ITEM #3	VERTICAL STACK WITH TEST PORTS
ITEM #4	MISC PIPING, SUPPORTS, WALKWAYS, AND LADDERS



ITEM #1



ITEM #2



AUXILIARY COMPONENTS



ITEM #3



ITEM #4



ITEM #5



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