



Utility Requirements:

Electrical: 480/60/3 36 AMP Or 240/60/3 72 AMP

Fuel: Natural gas regulated at 5-10 PSIG
12,600,000 BTUH

Water: 25 GPM make up water 30 to 70 PSIG

Chemicals:

- A) PH and sludge conditioner with oxygen scavenger
- B) Pelletized water softener pellets

Connections:

- Steam Outlet: 4" 300# Flange
- Condensate Return: 2" NPT
- Blowdown Drain: 3" NPT
- Water Makeup: 2" NPT
- Natural Gas: 3" 150 # Flange or 3" NPT
- Boiler Stack: Stub stack furnished with boiler 24" Diameter

Equipment Includes:

- 300 HP Superior firetube boiler
- Dual 100% capacity B.F. pumps
- Chemical pump
- Modulating feedwater system
- Modulating burner--natural gas
- IRI gas train
- Duplex water softener
- Electrical stepdown transformer
- Control panel
- Leveling system
- Blowdown receiver
- Steam valves with ASME spool piece
- Operator desk
- Operating hour meter
- Electric unit heaters
- Stub stack with bonnet

Safety Equipment:

- Dual boiler relief valves
- Blowdown aftercooler
- Boiler exit emergency shut-off
- Low water cut-off
- Auxiliary low water cut-off with manual reset
- Redundant B.F. pumps
- Water column blowdown shunt switch
- Fused or circuit breaker protected circuits
- IRI gas train
- Security caged entrance/exits
- Stairs with hand rails
- Perimeter reflective tape
- Interior and exterior electric lights
- Electrical entrance panel lock out disconnect
- Freeze protection electric heaters

Overall Dimensions:
8' x 45' x 13' 6"

Shipping Weight: 50000 lbs
Operating Weight: 70000lbs



Hughes Machinery Company

Size	Description: 10000 #/hr (300 hp) Rental Boiler Plant	
B	8820 Bond Overland Park, KS 66214	Office: (913)-492-0355
	Scale: 1:55	www.hughesmachinery.com