



# Trailer Mounted Watertube 2,175 HP / 75,000 PPH

## WT-75x

### Features:

- Boiler and Burner Package
- Control Systems and Panels
- Fuel Handling Equipment
- Modulating Feedwater Control Valve
- Stack and FGR (Flue Gas Recirculation) Piping
- **Low NOx (30 PPM)**

### General Information

<b>Rental Category</b>	Trailer Mounted Watertube
<b>Boiler Size</b>	2,175 BHP
<b>Max Output Capacity</b>	75,000 PPH (34 T/H)
<b>Max Pressure (MAWP)</b>	399 PSIG (27.5 BARG)
<b>Fuel(s)</b>	Natural Gas / #2 Oil
<b>Service</b>	HPS / HHW
<b>NOx Emission Rating</b>	30 PPM

### Connections

<b>Steam Outlet</b>	8" 300# FLG
<b>HHW Supply</b>	8" 300# FLG
<b>HHW Return</b>	8" 300# FLG
<b>Stack Exhaust</b>	42" Ø
<b>Remote Feed Water</b>	3" 300# FLG
<b>Natural Gas</b>	4" 150# FLG
<b>#2 Oil Supply</b>	1 ¼" NPT
<b>#2 Oil Return</b>	½" NPT
<b>Blowdown Drain</b>	1 ½" 300# FLG
<b>System Drain</b>	1 ½" 300# FLG
<b>Electrical</b>	PANEL
<b>Air Atomization</b>	1 ¼" NPT

### Output Specifications

<b>Operating Range</b>	100 – 385 PSIG (6.9 – 26.5 BARG)
<b>Turndown (NG/#2 Oil)</b>	10:1 / 8:1
<b>Steam Quality</b>	99.5%
<b>Efficiency (NG/#2 Oil)</b>	80% - 82% / 85% - 86%
<b>HHW Flow (Max)</b>	3,000 GPM@50°FΔT (11,355 LPM@27.8°CΔT)
<b>HHW Flow (Min)</b>	1,200 GPM@50°FΔT (4,540 LPM@27.8°CΔT)

### Dimensions

<b>Overall Length</b>	53' 00" (16.3 M)
<b>Overall Width</b>	10' 07" (3.2 M)
<b>Overall Height</b>	14' 04" (4.4 M)
<b>Shipping Weight</b>	105,000 LBS (47,600 KGS)
<b>Operating Weight</b>	122,000 LBS (55,330 KGS)

### Input Specifications

<b>Remote Feed Water</b>	160 GPM@415 PSIG (625 LPM@28.6 BARG)
<b>Electricity</b>	480 V / 3 PH / 60 HZ @ 150 A
<b>Fuel Input (NG/#2 Oil)</b>	94.7 / 91.3 MMBTU/hr (27.8 / 26.7 MW)
<b>NG Flow</b>	9,470 – 94,700 CFH (180 – 1,800 m³/hr)
<b>NG Pressure</b>	12 – 20 PSIG (0.8 – 1.4 BARG)
<b>#2 Oil Flow</b>	55 – 443 GPH (210 – 1,675 LPH)
<b>#2 Oil Pressure</b>	120 PSIG (8.3 BARG)
<b>Pilot (NG)</b>	1,200 CFH @ 10 PSIG (566 LPM @ 0.7 BARG)
<b>Instrument Air</b>	125 CFM@100 PSIG (212 m³/hr@6.9 BARG)
<b>Steam Atomization</b>	750 PPH @ 130 PSIG (0.34 T/H @ 9 BARG)

Last updated on: 17-Dec-24

HPS: High Pressure Steam LPS: Low Pressure Steam HHW: Hydronic Hot Water DHW: Domestic Hot Water

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