



**DRAGON**

Make it happen.

**38,000,000 MBTU  
Frac Water Heater Unit**



**DRAGON  
FRAC  
water heater**



**PERFORMANCE**

**WATER FLOW:** -850 GPM @ 50 PSI INLET PRESSURE (NOM)  
-550 GPM @ 30 PSI INLET PRESSURE (NOM)  
-400 GPM @ 20 PSI INLET PRESSURE (NOM)

**TEMPERATURE RISE:**  
70 DEG F @ 850 GPM (NOM)  
100 DEG @ 500 GPM (NOM)

**FUEL RATE:** 4.3 GPM, 258 GPH @ FULL FIRE (NOM)

**DIMENSIONS:** 45' LONG, 8'-6" WIDE, 13' HIGH,  
66,000 LBS (NOM, DRY HEAT EXCHANGER)

# Type: 38 MBTU FRAC WATER HEATER

# SPECIFICATIONS

- TYPE:** DIESEL FIRED, DUAL BURNER, TRAILER MOUNTED SELF CONTAINED SYSTEM
- BURNER:**
- DUAL BURNER PACKAGE, **NFPA** COMBUSTION SYSTEM,
  - 19 MILLION BTU PER HOUR PER BURNER
  - PRESSURIZED FUEL AND PRESSURIZED AIR SYSTEMS FOR FUEL ATOMIZATION
  - BLOWER SYSTEM FOR POSITIVE COMBUSTION AIR
  - LP FIRED PILOT WITH SPARK IGNITION
  - DIGITAL BURNER CONTROLS WITH PROGRAMMABLE WATER TEMPERATURE AND BURNER FIRE RATES
  - SAFETY SHUTDOWNS
- HEAT EXCHANGER:**
- 2"– SA106 GR B, SCH 40 PIPE
  - MULTI CORE, MULTI PASS, LOW PRESSURE DESIGN
  - INLET AND OUTLET MANIFOLDS WITHIN BURNER CHAMBER
  - 6X5 HYDRAULIC DRIVE CENTRIFUGAL WATER CHARGE PUMP
  - MULTIPLE 4" SUCTION AND DISCHARGE CONNECTIONS AT REAR OF TRAILER
- BURNER CHAMBER:**
- 1/4" STEEL PLATE CONSTRUCTION
  - REMOVABLE TOP WITH AIR OPERATED HINGED COVERS
  - 3" CERAMIC FIBER INSULATION RATED AT 2300 DEG ON ALL SURFACES INCLUDING TOP
- FUEL TANK:**
- 2700 GAL ALUMINUM FUEL TANK
  - TOP FILL AND LOWER PRESSURE FILL CONNECTIONS
  - TOP MANWAY, PRESSURE RELIEF VALVE, LEVEL GAUGE
  - AIR OPERATED VENT VALVE,
  - AIR OPERATED FUEL SUPPLY VALVE TO BURNER
  - MANUAL FUEL SUPPLY VALVE TO DECK ENGINE
  - HEATED AND INSULATED TANK BOTTOM SHELL
- ENGINE:**
- CATERPILLAR C9 ENGINE WITH JACKET WATER HEATER AND ALUMINUM ENCLOSURE
- HYDRAULIC SYSTEM:**
- 300 GAL HYDRAULIC TANK
  - 4 PUMP SYSTEM WITH 2 OIL COOLERS, VALVES AND CONTROLS
  - SYSTEM OPERATES, WATER CHARGE PUMP, COMBUSTION BLOWER, FUEL PUMP, AIR COMPRESSOR
- AIR COMPRESSOR:**
- ROTARY SCREW AIR COMPRESSOR SYSTEM WITH RESERVOIR TANKS, MOISTURE SEPARATOR, AND ALUMINUM ENCLOSURE
- TRAILER:**
- HIGH STRENGTH DROP DECK FRAME
  - 3 AXLE WITH AIR RIDE SUSPENSION, LIFT ON REAR AXLE
  - ABS BRAKE SYSTEM, LED LIGHTS

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