

DRAGON

PRODUCTS, LTD.

Beaumont, La Porte, Silsbee, Liberty, Victoria, Odessa TX • Lathrop, CA • Akron, IN

38 MBTU FRAC WATER HEATER

- TYPE:** DIESEL FIRED, DUAL BURNER, TRAILER MOUNTED SELF CONTAINED SYSTEM
- BURNER:**
- DUAL BRUNER PACKAGE, **NFPA** COMBUSTION SYSTEM,
 - 19 MILLION BTU PER HOUR PER BURNER
 - PRESSURIZED FUEL/ LOW PRESSURE AIR PROVIDE FOR FUEL ATOMIZATION
 - HYDRAULIC DRIVEN 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, APPROX 4000 FT TOTAL
 - MULTI CORE, MULTI PASS, LOW PRESSURE DESIGN
 - INLET AND OUTLET MANIFOLDS WITHIN BURNER CHAMBER
 - 6X5 HYDRAULIC DRIVE CENTRIFUGAL WATER CHARGE PUMP
 - 4" ROPER PUMP FOR NON FLOODED SUCTION SYSTEM START UP ASSIST
 - 4 EACH - 4" SUCTION AND DISCHARGE CONNECTIONS AT REAR OF TRAILER
- BURNER CHAMBER:**
- 1/4" STEEL PLATE CONSTRUCTION
 - REMOVABLE TOP WITH AIR OPERATED HINGED COVERS
 - 3" TO 7" CERAMIC FIBER INSULATION RATED AT 2300 DEG ON ALL SURFACES INCLUDING TOP. THICKNESSES VARY BY LOCATION
- 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

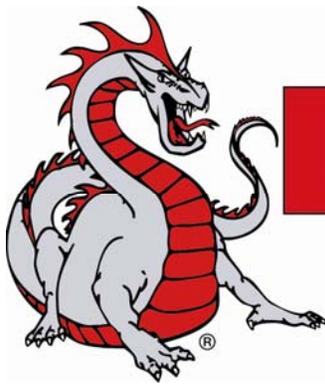
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- ENGINE:** 9 LITER ENGINE (350 HP) WITH JACKET WATER HEATER AND COLD AIR INTAKE HEATER FOR STARTING
- HYDRAULIC SYSTEM:** -300 GAL HYDRAULIC TANK
-4 PUMP SYSTEM WITH 2 OIL COOLERS, VALVES AND CONTROLS
-SYSTEM OPERATES, WATER CHARGE PUMP/ROPER PUMP, COMBUSTION BLOWER, FUEL PUMP, DECK AIR COMPRESSOR
- AIR COMPRESSOR:** -DECK AIR COMPRESSOR: ROTARY SCREW COMPRESSOR
-ENGINE MOUNTED COMPRESSOR: PISTON TYPE
-MOISTURE SEPARATOR, AND AIR DRYER IN ENGINE HOUSE –
-RESERVOIR TANKS UNDER FUEL TANK
-DECK AIR COMPRESSOR USED TO BLOW OUT COIL AT HEATING JOB COMPLETION
-ENGINE MOUNTED COMPRESSOR USED TO OPERATE VALVES AND ROOF LIDS
- TRAILER:** -HIGH STRENGTH DROP DECK FRAME
-3 AXLE WITH AIR RIDE SUSPENSION
- **ABS** BRAKE SYSTEM, **LED** LIGHTS
-ALUMINUM ENGINE HOUSE ON NECK, PROVIDES WEATHER PROTECTION FOR ENGINE AND HYDRAULIC SYSTEMS.
-TRI AXLE TRACTOR NECK CONFIGURATION AVAILABLE
- PERFORMANCE**
- WATER FLOW:** 750 GPM @ 60 PSI INLET PRESSURE (NOM)
500 GPM @ 40 PSI INLET PRESSURE (NOM)
300 GPM @ 25 PSI INLET PRESSURE (NOM)
- TEMPERATURE RISE:** 70 DEG F @ 700 GPM (NOM)
100 DEG F @ 400 GPM (NOM)
- FUEL RATE:** 4.2 GPM, 252 GPH @ FULL FIRE (NOM)
- DIMENSIONS:** 45' LONG, 8'-6" WIDE, 13' HIGH,
72,000 LBS (NOM, DRY HEAT EXCHANGER)

File: frac heater spec 042312