



## **UNIT NO. B-638**

### **50 HP, 150 PSI, #2 OIL & NATURAL (OR LP) GAS**

THIS 50 HP COLUMBIA VERTICAL TUBELESS BOILER; MODEL CT50-GO, CONSTRUCTED IN 2004 IN ACCORDANCE WITH THE ASME CODE; SECTION I, FOR A DESIGN PRESSURE OF 150 PSIG STEAM. THE UNIT IS COMPLETELY MOUNTED, WIRED AND PIPED ON A STRUCTURAL STEEL SKID WITH ALL WATER, UTILITY AND DRAIN CONNECTIONS EASILY ACCESSIBLE ALLOWING FOR RAPID INSTALLATION AT A JOBSITE.

PRIMARY, ANCILLARY AND COMPONENT EQUIPMENT INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING;

- **BOILER;** COLUMBIA, MODEL CT50-GO, ASME CODE CONSTRUCTED FOR A DESIGN PRESSURE OF 150 PSIG STEAM AND NATIONAL BOARD CERTIFIED.
- **FORCED DRAFT BURNER;** POWERFLAME MODEL C2-GO-20A, L-H-L FIRING ARRANGEMENT, INTEGRALLY MOUNTED, WIRED AND PIPED CAPABLE OF FIRING #2 FUEL OIL, NATURAL GAS OR LP GAS WITH AUTOMATIC ELECTRONIC IGNITION.
- **BOILER/BURNER CONTROL CENTER** WITH MAIN FLAME CONTROL AND DETECTOR, MOTOR STARTERS, RELAYS, LIMIT SWITCHES, INDICATING LIGHTS AND ALARMS.
- **BOILER VALVING AND TRIM** INCLUDING; MAIN STEAM STOP VALVE, FEEDWATER STOP AND CHECK VALVES, BLOWDOWN VALVE, SAFETY VALVES PER ASME CODE, PRIMARY AND SECONDARY LOW WATER CUT-OFFS, WATER LEVEL SITE GLASS WITH GAUGE COCKS AND DRAIN VALVES, STEAM GAUGE WITH ISOLATION VALVE.
- **STEAM PRESSURE LIMIT SWITCHES;** OPERATING LIMIT, SAFETY LIMIT WITH MANUAL RESET AND LOW-HIGH FIRING RATE CONTROL
- **VALVING, TRIM AND CONTROLS** AS REQUIRED FOR SAFE, DEPENDABLE, AUTOMATIC OPERATION.

#### **CONNECTIONS:**

STEAM / HW	; 3.0" NPT
M-U WATER	; 1.0" NPT
DRAIN\BD	; 1.0" NPT
EXHAUST	; 12" DIA.
ELECTRIC	; 120V/1/60

#### **DIMENSIONS:**

LENGTH	; 8' 00" OVER BURNER
WIDTH	; 4' 08" OVER VALVE TRIM
HEIGHT	; 8' 07" OVER SAFETY VALVES
WEIGHT	; 6200 LBS SHIPPING
	; 8200 LBS FLOODED

**THIS UNIT IS OFFERED FULLY RECONDITIONED AND SHOP TESTED WITH A ONE-YEAR PARTS WARRANTY SUBJECT TO PRIOR SALE.**

#### **OPTIONAL EQUIPMENT AVAILABLE:**

- **BOILER FEEDWATER SYSTEM** CONSISTING OF A COMBINATION MAKE-UP WATER TANK AND CONDENSATE RECEIVER WITH A FLOAT OPERATED MAKE-UP VALVE, STEAM INJECTION FEEDWATER PRE-HEATER WITH TEMPERATURE AND PRESSURE REGULATORS, BOILER FEEDWATER PUMP SET WITH SUCTION AND DISCHARGE PIPING, ISOLATION VALVING AND STRAINER, SITE GLASS, TEMPERATURE AND PRESSURE GAUGES.
- **SWITCH GEAR** CONSISTING OF ELECTRICAL DISCONNECT, PRIMARY AND CONTROL VOLTAGE TRANSFORMERS, CONTACTORS AND CIRCUIT BREAKERS.
- **BOILER STUB STACK** WITH RAIN CAP.