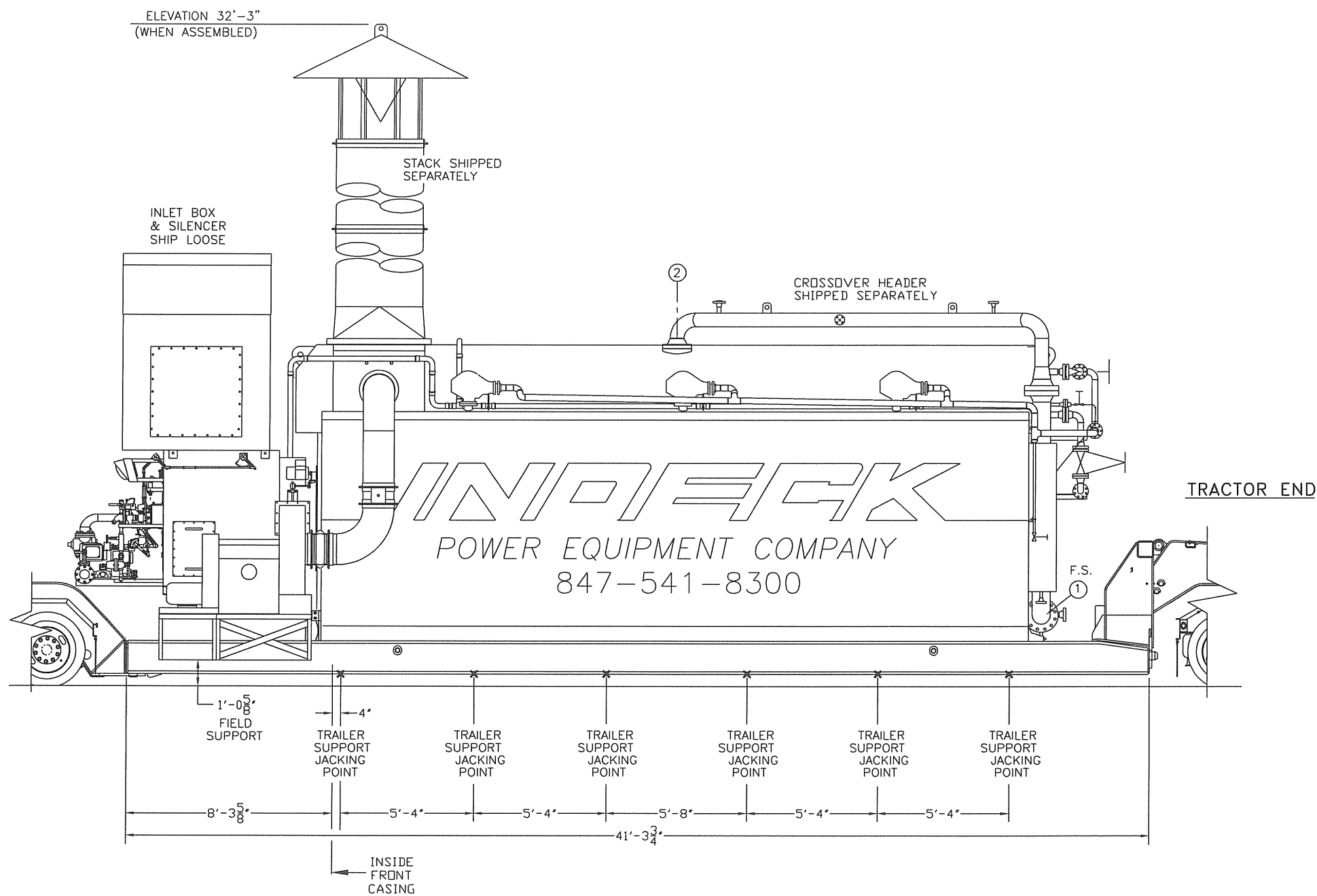


UNIT REFERENCE

ITEM No. 14453  
ITEM No. 17178

# 60,000 PPH 750 PSI S.H. RENTAL BOILER

GORDAN PIATT BURNER WITH FGR ON A TALBERT TRAILER



## INSTALLATION SERVICE CONNECTIONS

DESCRIPTION		
1.	8"	600# R.F. FLG.D. SUPERHEATER OUTLET
2.	6"	600# R.F. FLG'D. SATURATED STEAM
3.	3"	150# F.F. FLANGE FUEL GAS INLET
4.	1"	N.P.T. OIL INLET
5.	2 1/2"	600# R.F. FLG.D. FEED WATER
6.	2"	N.P.T. HYPERMIX INLET ON BURNER
7.	3/4"	N.P.T. PILOT GAS CONN.
8.	1 1/4"	N.P.T. VENT
9.	1/2"	N.P.T. OIL RETURN
10.	1 1/2"	NPT ATOMIZING STEAM
11.	1 1/2"	600# R.F. FLG'D. HYPER MIX (ON BOILER)
12.	1 1/2"	600# R.F. FLG.D. BLIND
13.	1 1/2"	600# R.F. FLG.D. SAFETY VALVE SET @ 750#
14.	1 1/2"	600# R.F. FLG.D. SAFETY VALVE SET @ 760#
15.	1 1/2"	600# R.F. FLG.D. SAFETY VALVE SET @ 715#
16.	2 1/2"	600# R.F. FLG.D. SOOT BLOWER STEAM SUPPLY
17.	2"	600# R.F. FLG.D. SUPERHEATER START-UP VENT
18.	1"	600# R.F. FLG.D. SUPERHEATER OUTLET HEADER DRAIN
19.		FLUE GAS RECIRCULATION DUCT
20.	1"	600# R.F. FLG'D. VENT
21.	1"	600# R.F. FLG'D CONTINUOUS BLOWDOWN
22.	1"	600# R.F. FLG'D FOR STEAM SAMPLING 1/2"
23.	1"	600# R.F. FLG.D. SUPERHEATER INLET HEADER DRAIN
24.	1"	CONN. S.W. AUX. L.W.C.O.
25.	1"	600# R.F. FLG.D. (2) LEVEL TRANSMITTER
26.	1"	CONN. S.W. STEAM GAUGE
27.	1 1/2"	600# R.F. FLG'D (2) WATER COLUMN
28.	1"	NPT (MALE) FURNACE PRESSURE
29.	1"	NPT (MALE) (4) FLUE GAS OUTLET TEMP. & PRESS.
30.	1 1/2"	600# R.F. FLG'D. (2) INLET & OUTLET COIL
31.	1"	3000# NPT. CPLG. THERMOWELL
32.	1"	600# R.F. FLG.D. CHEMICAL FEED
33.		STACK AND TRANSITION
34.	3 1/2"	FLG'D. (6) SOOTBLOWER WALLBOX
35.	1 1/2"	N.P.T. (MALE) (4) WATER WASH DRAIN (CAPPED)
36.	1 1/2"	600# R.F. FLG.D. BLOWOFF

## SERVICE REQUIREMENTS

NATURAL GAS SUPPLY - 15PSIG  
FEEDWATER SUPPLY - 60-100 PSIG OPEN  
INSTRUMENT AIR - 70-90 PSIG (85 CFM)

## DESIGN DATA

MODEL	: DUOFIN 02-60-S-R
CAPACITY	: 60,000 P.P.H.
DESIGN PRESSURE	: 750 PSIG
OPERATING PRESSURE	: 300-675 PSIG
STEAM TEMPERATURE	: 750 °F
FEED WATER TEMPERATURE	: 240 °F
CONVECTION ASME	: 3,240 sq ft
RADIANT EPRS	: 752 sq ft
S.H.	: 359 sq ft
FUEL	: NATURAL GAS
	: FUEL OIL
SHIPPING WEIGHT APPROX.	: 103,000 lb
FLOODED WEIGHT APPROX.	: 129,500 lb
OPER. WEIGHT APPROX.	: 121,500 lb
SHIPPING HEIGHT	: 13'-10 1/2"
COMPLETE TRAILER ASSEMBLY LENGTH	: 95'-0"

**INDECK** 60,000 PPH S.H. RENTAL BOILER

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