



**B-1178**

1990 548-SPHC-70-N2

To Be Refurbished



# GENERAL DESIGN

## STANDARDS & CERTIFICATIONS



ASME Section I



National Board  
Registered



NFPA-85 Build  
Standard



Hartford Steam  
Boiler Inspected

MANUFACTURER (OEM)	York Shipley
YEAR	1990
SERIAL NO.	984-531
NATIONAL BOARD NO.	25299
CRN NO.	-
MODEL	548C-53D-70-5150
ASME CODE	Sect I - High Pressure Steam
TYPE	Scotch
DESIGN	Three-Pass Dryback Firetube
MOUNTING	Saddles & Skid Mounted
INTERNAL	Plain Furnace & Straight Tubes



# CAPACITIES & INPUTS

OUTPUT CAPACITY	2,415 LBS/HR
HORSEPOWER	70 BHP
DESIGN PRESSURE (MAWP)	150 PSIG
OPERATING RANGE	120 - 140 PSIG
HEATING SURFACE	350 ft <sup>2</sup>
MAX. FUEL INPUT	NG: 2,900,000 BTU/HR #2: 21.5 GPH
STANDARD FUELS <sup>1</sup>	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS <sup>2</sup>	-
INPUT GAS PRESSURE	24.5 " WC Regulated
TURNDOWN RATIOS	NG: 4:1 #2: 4:1
EMISSION RATING (NOX)	NG: 30 PPM

<sup>1</sup> Standard Fuels: Boiler comes ready to burn these fuels including fuel train, safety devices, integral wiring and delivery systems.

<sup>2</sup> Additional Fuels: Boiler is capable of running on these fuels but requires modifications to the burner, fuel delivery systems and wiring, at additional cost.



# BURNER AND ELECTRICAL

BURNER MANUFACTURER (OEM)	Donlee Technologies
MODEL	TurboFire II
TYPE	Full Modulation
FLUE GAS RECIRCULATION (FGR)	No
ELECTRIC	480V/3Ph/60Hz
ATOMIZATION	Steam
CONTROL TYPE	Single Point Positioning
BOILER CONTROL SYSTEM	-
BURNER MANAGEMENT SYSTEM	TBD
FLAME SAFEGUARD	TBD
BLOW MOTOR	5 HP
BURNER INSTALLED	Yes
PILOT TYPE	NG / Electric
INSTRUMENT AIR	-
AIR COMPRESSOR	Not Required



# DIMENSIONS AND WEIGHTS

OVERALL LENGTH	12' 6"
OVERALL HEIGHT	5' 7"
OVERALL WIDTH	4' 10"
SHIPPING WEIGHT	6,325 LBS
OPERATING WEIGHT	8,840 LBS
BOILER OUTLET	2.5" $\varnothing$ 300# FLG.
EXHAUST OUTLET	9.5" $\varnothing$ ID





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