



B-1187

2016 S5-X-150-150





GENERAL DESIGN

STANDARDS & CERTIFICATIONS



ASME Section I



National Board
Registered



NFPA-85 Build
Standard



Hartford Steam
Boiler Inspected

MANUFACTURER (OEM)	Hurst
YEAR	2016
SERIAL NO.	S300-150-100
NATIONAL BOARD NO.	21841
CRN NO.	R0343.5
MODEL	S5-X-150-150
TYPE	Scotch
DESIGN	Four-Pass Wetback Firetube
MOUNTING	Saddles & Skid Mounted
INTERNAL	Straight Furnace & Straight Tubes



CAPACITIES & INPUTS

OUTPUT CAPACITY	2,070 LBS/HR
HORSEPOWER	60 BHP
DESIGN PRESSURE (MAWP)	150 PSIG
OPERATING RANGE	50 - 140 PSIG
HEATING SURFACE	300 ft ²
MAX. FUEL INPUT	NG: 2,520,000 BTU/HR #2: 18 GPH
STANDARD FUELS ¹	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS ²	
INPUT GAS PRESSURE	0.75 - 7.25 PSIG
TURNDOWN RATIOS	NG: 7.5:1 #2: 4:1
EMISSION RATING (NOX)	NG: 75 PPM #2: Uncontrolled

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

² 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)	Oilon
MODEL	GKP-50MH WD32
TYPE	Gas: Full Modulation #2: LO-HI-LO
FLUE GAS RECIRCULATION (FGR)	No
ELECTRIC	480V/3Ph/60Hz
ATOMIZATION	Pressure
CONTROL TYPE	Linkageless
BOILER CONTROL SYSTEM	Oilon Wisedrive
BURNER MANAGAMENT SYSTEM	Siemens LMV
FLAME SAFEGUARD	UV Scanner
BLOW MOTOR	1 HP
BURNER INSTALLED	Yes
PILOT TYPE	Spark
INSTRUMENT AIR	-
AIR COMPRESSOR	-



DIMENSIONS AND WEIGHTS

OVERALL LENGTH	12' 0"
OVERALL HEIGHT	5' 7"
OVERALL WIDTH	5' 6"
SHIPPING WEIGHT	6,500 LBS
OPERATING WEIGHT	9,750 LBS
BOILER OUTLET	6" \varnothing 150# FLG.
EXHAUST OUTLET	12" \varnothing OD





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