



**B-1148**

2015 Hurst S5-X-350-200



# GENERAL DESIGN

## STANDARDS & CERTIFICATIONS



ASME Section I



National Board  
Registered



NFPA-85 Build  
Standard



Hartford Steam  
Boiler Inspected

MANUFACTURER (OEM)	Hurst
YEAR	2015
SERIAL NO.	S1750-200-8
NATIONAL BOARD NO.	20954
CRN NO.	R1956.5
MODEL	S5-X-350-200
TYPE	Scotch
DESIGN	Four-Pass Wet Back Firetube
MOUNTING	Saddles & Skid-Mounted
INTERNAL	Corrugated Furnace & Straight Tubes



# CAPACITIES & INPUTS

OUTPUT CAPACITY	12,075 LB/HR
HORSEPOWER	350 BHP
DESIGN PRESSURE (MAWP)	200 PSIG
OPERATING RANGE	15 - 185 PSIG
HEATING SURFACE	1,750 ft <sup>2</sup>
MAX. FUEL INPUT	13,269,820 BTU/HR
STANDARD FUELS <sup>1</sup>	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS <sup>2</sup>	
INPUT GAS PRESSURE	MIN: 2.0 PSIG
TURNDOWN RATIOS	2.9:1
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)	Oilon
MODEL	GKP-600M WD200
TYPE	Full Modulation
FLUE GAS RECIRCULATION (FGR)	Yes
ELECTRIC	460V/3PH/60Hz
ATOMIZATION	Pressure
CONTROL TYPE	Parallel Positioning
BOILER CONTROL SYSTEM	-
BURNER MANAGMENT SYSTEM	Siemens LMV52
FLAME SAFEGUARD	IR Scanner
BLOW MOTOR	20 HP
BURNER INSTALLED	Yes
PILOT TYPE	NG / Spark
INSTRUMENT AIR	None
AIR COMPRESSOR	Not Required



# DIMENSIONS AND WEIGHTS

OVERALL LENGTH	21' 9"
OVERALL HEIGHT	9' 1"
OVERALL WIDTH	8' 6"
SHIPPING WEIGHT	30,746 LBS
OPERATING WEIGHT	46,795 LBS
BOILER OUTLET	10" $\varnothing$ 300# FLG.
EXHAUST OUTLET	20" $\varnothing$ OD





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