



POWERHOUSE

(Unit in Production - Pictures Forthcoming)

WT-75-SH

2019 Victory VSM-75-84SH
(Economizer Included)



GENERAL DESIGN

STANDARDS & CERTIFICATIONS



ASME Section I



National Board
Registered



NFPA-85 Build
Standard



Hartford Steam
Boiler Inspected

MANUFACTURER (OEM)	Victory
YEAR	2019
SERIAL NO.	TBD
NATIONAL BOARD NO.	TBD
CRN NO.	TBD
MODEL	VSM-75-84SH
TYPE	Watertube
DESIGN	O-Type
MOUNTING	Integral Rail Mounted
INTERNAL	Refractory-Free Welded Membrane Wall & Integral Superheater



CAPACITIES & INPUTS

OUTPUT CAPACITY	75,000 LB/HR
HORSEPOWER	2,174 BHP
DESIGN PRESSURE (MAWP) & TEMP	750 PSIG & 750° F
OPERATING PRESSURE RANGE	150 - 730 PSIG
HEATING SURFACE	7,381 ft ²
MAX. FUEL INPUT	NG: 107,690,000 #2: 102,600,000
STANDARD FUELS ¹	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS ²	
INPUT GAS PRESSURE	MAX: 25 PSIG MIN: 12 PSIG
TURNDOWN RATIOS	NG: 10:1 #2: 8:1
EMISSION RATING (NOX)	NG: 30 PPM NO _x @ 3% O ₂ (Corrected) #2: 90 PPM NO _x @ 3% O ₂ (Corrected)

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)	Faber
MODEL	WB-1-31-IFGR
TYPE	NG: Ring & Spud Oil: Gun
FLUE GAS RECIRCULATION (FGR)	Yes, 15%
ELECTRIC	480V/3Ph/60Hz
ATOMIZATION	Air / Steam
CONTROL TYPE	Parallel Positioning
BOILER CONTROL SYSTEM	Powerhouse BoilerLink®
BURNER MANAGAMENT SYSTEM	Honeywell RM7800
FLAME SAFEGUARD	UV Scanner
BLOW MOTOR	150 HP TEFC
BURNER INSTALLED	Yes
PILOT TYPE	Natural Gas
INSTRUMENT AIR	200 SCFM @ 100 PSIG
AIR COMPRESSOR	Required - Available at Additional Cost



DIMENSIONS AND WEIGHTS

OVERALL LENGTH	43' 8"
OVERALL HEIGHT	13' 6"
OVERALL WIDTH	10' 9-1/2"
SHIPPING WEIGHT	138,000 LBS
OPERATING WEIGHT	165,000 LBS
BOILER OUTLET	6" 600# FLG
SUPERHEATER CONNECTIONS	6" 600# FLG



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