



POWERHOUSE

B-1256 & B-1257

2019 Victory VSM-75-75SP
(With Economizer)



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-75-75SP
TYPE	Watertube
DESIGN	O-Type
MOUNTING	Integral Rail Mounted
INTERNAL	Refractory-Free Welded Membrane Side Walls & Pyro-blocks Front and Rear Walls



CAPACITIES & INPUTS

OUTPUT CAPACITY	82,500 LB/HR
HORSEPOWER	2,391 BHP
DESIGN PRESSURE (MAWP) & TEMP	399 PSIG
OPERATING PRESSURE RANGE	150 - 385 PSIG
HEATING SURFACE	5,615 ft ²
MAX. FUEL INPUT	NG: 99,830,000 #2: 95,810,000
STANDARD FUELS ¹	Natural Gas & #2 Fuel Oil
ADDITIONAL FUELS ²	
INPUT GAS PRESSURE	MAX: 25 PSIG MIN: 10 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	Single-Point
BOILER CONTROL SYSTEM	Powerhouse BoilerLink®
BURNER MANAGAMENT SYSTEM	Honeywell RM7800
FLAME SAFEGUARD	UV Scanner
BLOW MOTOR	125 HP TEFC
BURNER INSTALLED	Yes
PILOT TYPE	Natural Gas
INSTRUMENT AIR	150 SCFM @ 100 PSIG
AIR COMPRESSOR	Required - Available at Additional Cost



DIMENSIONS AND WEIGHTS

OVERALL LENGTH	37' 2-1/4"
OVERALL HEIGHT	18' 5" (20' 4" w/ Economizer)
OVERALL WIDTH	10' 9-1/2"
SHIPPING WEIGHT	81,000 LBS
OPERATING WEIGHT	100,000 LBS
BOILER OUTLET	10" 300# FLG
EXHAUST OUTLET	6' 0" x 4' 11-5/16"
STUB STACK OUTLET	42" ø ID



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