



PREMIER PUMP & POWER
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SPECIFICATION SHEET FOR MODEL 2.5H-SA Trailer Mounted Pump VACUUM ASSISTED, HEAVY DUTY CLEAR WATER PUMP



PUMP SPECIFICATIONS

Size	2.5" X 4" AISI 125# flanges
Wear Ring	ASTM A48 class 30 cast iron
Volute Casing	ASTM A48 class 30 cast iron
Backplate	ASTM A48 class 30 cast iron
Mechanical Seal	Tungsten vs. Silicon Carbide seal faces, Viton elastomers, 300 series stainless steel hardware & spring, seal system designed for dry indefinite running
Impeller	Enclosed type, seven port, clear liquid, w/.41 inch spherical solids handling capability. ASTM A48 class 30 cast iron
Bearing Housing	ASTM A48 class 30 cast iron
Pump-end Bearing	Single row ball – 6313-C3
Drive-end Bearing	Single row ball – 6313-C3 1144
Shaft	Stressproof steel
Lip Seals	CR type, single lip
Discharge check valve	Swing type, ductile iron w/Buna-N disc

PRIMING

Priming System	Vacuum Pump: 50 CFM air flow capacity, diaphragm style continuous vacuum, mechanically driven
Separator Spool	Standard steel
Air/Water Chamber	Chamber designed to separate air and water before entering the pump case

ENGINE SPECIFICATIONS

Model	Cummins Model QSF2.8 Final Tier 4
Horsepower	74 intermittent horsepower @ 2500 RPM Four cylinder, four cycle, water cooled diesel engine
Governor	Electronic
Fuel Consumption	2.6 Gallons Per Hour @ Max RPM
Safety Shut Down	Low Oil Pressure, High Temperature
Instrument Panel	Lofa CP750 auto start control panel

STANDARD TRAILER

Frame	Powder coated, heavy duty, fabricated steel frame with lifting bale
Fuel Tank	Integral 80 gallon HDPE fuel cell
Axle	7000# Torsion Flex
Brakes	Electric with DOT lighting package

ENCLOSURE

Material	14 Gauge solid steel outer shell
Finish	Powder coated
Sound Barrier	1"- 2" Acoustical foam insulation
Access Panels	Hinged, lockable swinging doors for easy access to pump and engine.
Sound Level	Unit not to exceed 70 DBA @ 30'

