

QSF PUMP SERIES

QSF4X4

Diesel Engine-Driven Heavy Duty Cast Iron Centrifugal Self-Priming Trash Sewage Pump



PUMP SPECIFICATIONS:	
MODEL	End suction centrifugal.
CASING	Ductile iron, class 30. Maximum operating pressure 47 psi.
IMPELLER	Two vane with rear equalizing vanes, non-clogging, enclosed, class 65-45-12 ductile iron.
OPTIONAL IMPELLER	Two vane open impeller, class 65-45-12 ductile iron.
SEAL	Dry-running, grease lubricated, mechanical type. Tungsten Carbide rotating face with Silicon Carbide stationary seal faces. All other components are 304 stainless steel and Viton elastomers.
WEAR RING	N/A
SOLIDS CAPACITY	3" diameter spherical solids.
CLEAN OUTS	Ductile iron, fully accessible and removable.
DISCHARGE PRIMING VALVE	Valmatic® check valve.
FLANGES	4" X 4" ANSI #150 steel flanges.
STANDARD EQUIPMENT	Integral fuel tank with clean outs, low profile trailer, lift up tongue with lifting provisions, torsional axle, electric brakes, 15" wheels, auto start/stop control panel, safety beacon light and audible alarm, document box, engine safety shut downs (low oil pressure and high temperature), tachometer, hour meter, vacuum gauge, fuel gauge, batter, DOT trailer lights, #150 flange or MNPT or TP Galvanized suction nipples, a subsection strainer and accessory set.
WEIGHT	4250 lbs. dry.



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GENERAL SPECIFICATIONS:	
FEATURE	Fully automatic dry priming. Handles large volumes of air and water in addition to the intermittent flow conditions. Removes air and/or gas vapors from pump case and prevents cavitation. Automatic priming and repriming at 28-ft vertical lifts.
AIR SEPARATION CHAMBER	Enviroprime System®
CASING	Steel
VALVE & AIR CHAMBER	Flanged to suction of heavy-duty, self-priming, centrifugal pump. Single 204 stainless steel float mounted on a steel cover, easily removable. Nitrile valve seat with single rod. Stainless steel supports, levers and all internal hardware. Prevents blow-by of pumpage.
DISCHARGE PRIMING VALVE	Non-return check valve with seats. Nitrile rubber.
VENTURI 2 PIECE NOZZLES	Hexagonal bronze with steel seat and brass backflow preventer; includes limited lifetime warranty.
AIR COMPRESSOR SPECIFICATIONS:	
TYPE	Engine Mounted, 7.77CFM
ENGINE SPECIFICATIONS:	
MODEL	Cummins QSF2.8
TYPE	4-cylinder, 4-cycle, liquid cooled, direct-injected.
DISPLACEMENT	171 cubic inches.
GOVERNOR	Electronic.
LUBRICATION	Full pressure system.
AIR CLEANER	OPTI AIR®.
FUEL TANK	100 Usable U.S. gallons.
OPERATING TIME	Minimum 51 hours @ 2,400 RPM.
STARTING	Electric, 12V.
SAFETY SHUTDOWNS	High temp., low oil pressure
STANDARD EQUIPMENT	Oil & fuel filter, tachometer, hour meter, 120A-amp alternator, regulator, instrument panel.
MANUFACTURER'S PERFORMANCE	Engine Rating 49HP @ 2500RPM
SOUND ENCLOSURE SPECIFICATIONS:	
SOUND ATTENUATION	67 dBa at 7 meters at full speed (2,200 RPM)
HURRICANE RATING	Built to withstand 150 mph winds
CONSTRUCTION	Galvanized steel; modular frame and 2" thick panels. Interior walls, panels, and doors covered in 1.5" thick 2-part foam.
PAINT	Powder coated
FEATURES	Five (5) lockable-hinged doors: three (3) sides doors and two (2) rear doors. Rear doors allow for complete access to pump and priming for routine maintenance without having to disconnect the suction or discharge piping. Side panel window to allow viewing of control panel. External fuel fill port.

