

QSF PUMP SERIES

QSF4X4



With its heavy-duty cast-iron construction, ability to self-prime when filled with water, and re-prime automatically, the Thompson 4JSCM leads the industry in construction, industrial and wastewater applications. The Cummins QSF4X4 is designed for moderate flow rates up to 1,350 gpm and can handle heads up to 135 feet.



PUMP SPECIFICATIONS:	
MODEL	End suction centrifugal.
CASING	Ductile iron, class 30. Maximum operating pressure 58 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® flapper style check valve.
FLANGES	4" X 4" ANSI #150 steel flanges.
STANDARD EQUIPMENT	Work lights, solar charger outlet, auxiliary fuel tank quick connects, Cummins diagnostic port, Integral fuel tank with 3" clean-outs, low profile trailer, lift-up tongue with lifting provision, torsional axle, electric brakes, 15" wheels, auto start/stop control panel with preprogrammed fault codes, 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, battery, DOT trailer lights, #150 flange or MNPT or TP Galvanized discharge fitting, dischargepriming valve, 150# flange or MNPT or TP Galvanized suction nipple, a suction strainer and accessory set.
WEIGHT	3350 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 SPECIFICATIONS:	Enviroprime System®
CHAMBER	Steel
VALVE & AIR CHAMBER	Flanged to suction of heavy-duty, self-priming, centrifugal pump. Single 304 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 NOZZLE	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

