



PREMIER PUMP & POWER
THE WAVE OF THE FUTURE

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SPECIFICATION SHEET FOR MODEL 4414T-SA Trailer Mounted Trash Pump VACUUM ASSISTED, HEAVY DUTY SOLIDS HANDLING PUMP



PUMP SPECIFICATIONS

Size	4" X 4" AISI 125# flanges
Wear Ring	ASTM A48 class 30 FDVW iron
Volute Casing	ASTM A48 class 30 FDVW iron
Backplate	ASTM A48 class 30 FDVW iron
Mechanical Seal	Tungsten vs. Silicon Carbide seal faces, Viton elastomers, 300 series stainless steel hardware & spring, seal system designed for dry running
Impeller	Enclosed type, two vane, non-clog, w/3 inch spherical solids handling capability. Cast Iron
Bearing Housing	ASTM A48 class 30 FDVW iron
Pump-end Bearing	Single row ball – 6309-C3
Drive-end Bearing	Single row ball – 6309-C3
Shaft	1144 Stressproof steel
Lip Seals	CR type, single lip
Discharge check valve	Swing type, ductile iron w/Buna-N disc

PRIMING

Priming System	Haldex 1300 Series compressor. Lubricated by engine oil and cooled by engine water
Separator Spool	Standard steel
Air/Water Chamber	Chamber designed to separate air and water before entering the pump case
Venturi	Constructed of non-corrosive bronze
Optional Priming	50 CFM diaphragm vacuum pump

ENGINE SPECIFICATIONS

Model	John Deere Model 4045HF285 JOHN DEERE ZLH450W
Horsepower Governor	140 intermittent horsepower @ 2400 RPM four cylinder, four cycle, water cooled diesel engine
Fuel Consumption	Electronic 10.5 Gallons Per Hour @ Max RPM
Safety Shut Down	Low Oil Pressure, High Temperature
Instrument Panel	12VDC 3MR 12VDC 12VDC 12VDC 12VDC 12VDC Final Tier 4 Option Available

STANDARD TRAILER

Frame	Heavy duty, powder coated fabricated steel frame with lifting bale
Fuel Tank	120 gallon HDPE fuel cell
Axle	8000lb Torsion Flex
Brakes	Electric with DOT lighting package

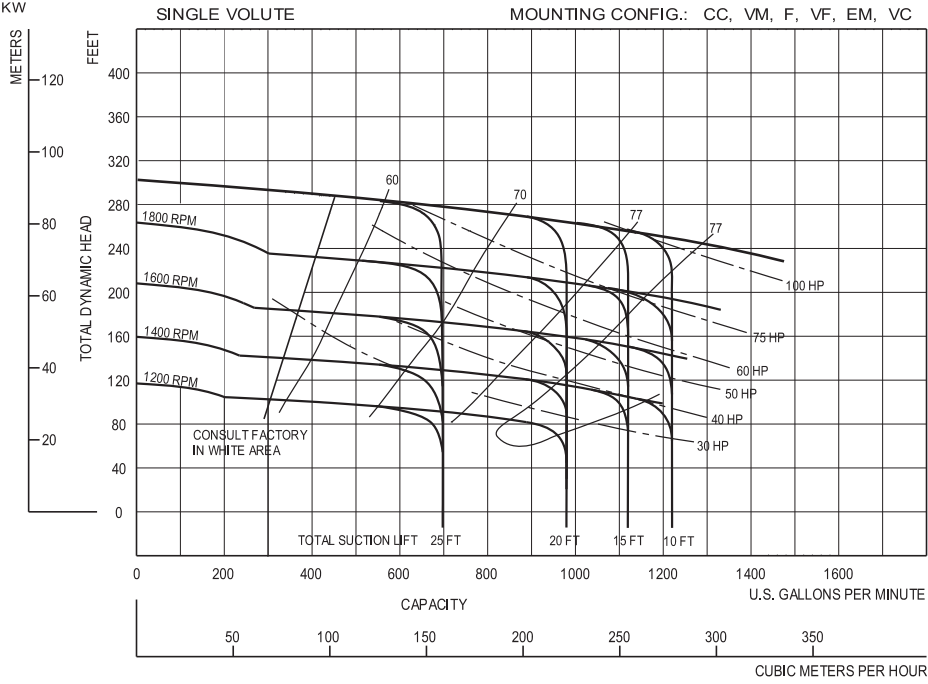
ENCLOSURE

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'

PERFORMANCE CURVE

Feet x .305 = Meters
 Inches x 25.4 = Millimeters
 GPM x .227 = Cubic Meters/Hour
 GPM x 3.785 = Liters/Minute
 HP x .746 = KW

Speed	Impeller Dia.	Style	Solids Dia.	N _S	Suction	Discharge	No. vanes
VARIOUS	14"	ENCLOSED	3"	1310	4"	4"	2



Premier Pump and Power, LLC

441 4T REDI•PRIME® - VARIOUS RPM

DIMENSIONAL DRAWINGS

