



PREMIER PUMP & POWER
THE WAVE OF THE FUTURE

PREMIER PUMP & POWER

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 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, two vane, non clog, w/3 inch spherical solids handling capability. Cast Iron
Bearing Housing	ASTM A48 class 30 cast 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	50 CFM diaphragm vacuum pump
Separator Spool	Standard steel
Air/Water Chamber	Chamber designed to separate air and water before entering the pump case

ENGINE SPECIFICATIONS

Model	John Deere Model 4045HFC06
Horsepower	173 intermittent horsepower @ 2400 RPM six cylinder, four cycle, water cooled diesel engine FT4
Governor	Electronic
Fuel Consumption	8.33 Gallons Per Hour @ Max RPM
Safety Shut Down	Low Oil Pressure, High Temperature
Instrument Panel	Lofa CP750 auto start control

STANDARD TRAILER

Frame	Heavy duty, powder coated fabricated steel frame with lifting bale
Fuel Tank	180 gallon HDPE fuel cell
Axle	Dual 7000# Torsion Flex
Brakes	Electric with DOT lighting package

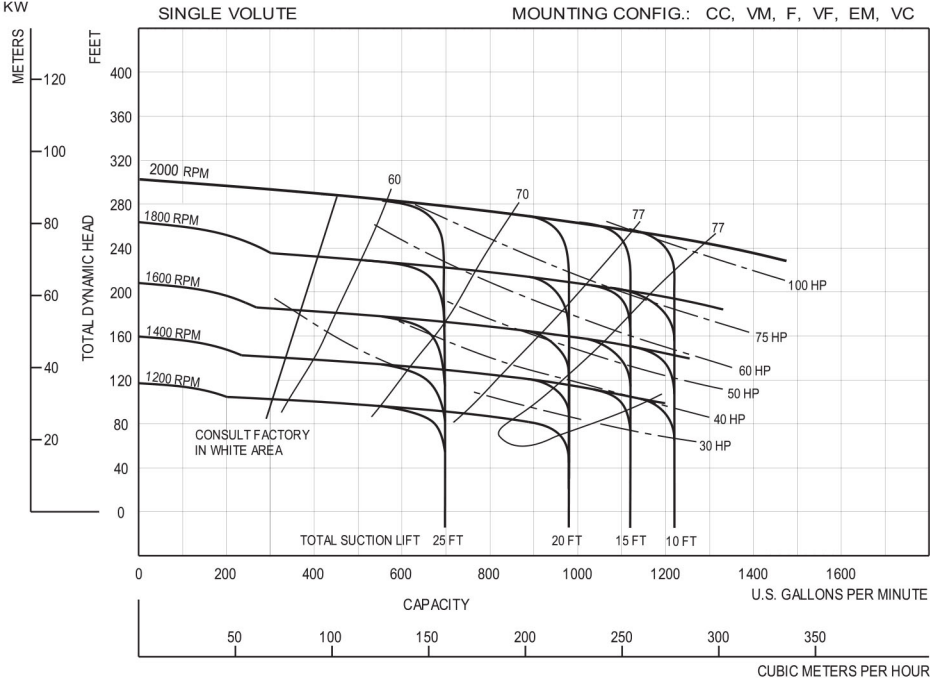
ENCLOSURE

Material	14 Gauge solid steel outer shell
Finish	Powder coated
Sound Barrier	1"- 2" Acounstical 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