

PRIMERITE™ HH6X4

6" X 4" HIGH-HEAD AUTOMATIC DRY SELF-PRIMING TRASH PUMP



The Power to Move Water®

The Primerite™ HH6X4 is a self-priming, automatic dry trash pump built with a larger performance envelope for high-head applications. The HH6X4's boasts an all cast iron construction and up to 230' TDH to provide high lift performance in the most extreme environments. A mechanical seal in an oil bath, grease lubricated bearings and a 94 gallon tank enable it to run dry all day long for up to 24 hours, making it the right choice for handling inconsistent flows found in sewage bypass pumping and job site dewatering. This pump is completely self contained in either skid or DOT trailer configurations with hydraulic surge brakes, torsion axle, integral lifting bail, tie downs and fuel tank.

FEATURES

- Primes and reprimed automatically
- Solids handling up to 3"
- EPA Interim Tier 4 engine⁽¹⁾
- Tangential volute
- All cast iron construction
- Horizontal engine mount
- 6" ANSI Suction and 4" ANSI Discharge
- Tungsten carbide vs. silicon carbide mechanical seals
- Vacuum pump priming system
- Grease lubricated bearings
- Non-return check valve
- Vacuum and pressure gauges
- Lockable fuel cap
- Forklift slots and lifting bail
- Torsion bar axle
- 94 gallon fuel tank with gauge
- Skid or trailer-mounted with DOT light kit
- Hydraulic surge brakes standard, electric brakes available

APPLICATIONS

- High-Head
- Construction dewatering
- Sewage bypass
- Flood drainage
- Mining and quarries
- Municipal
- Rear stabilizing jacks
- 3" Lunette ring for pintle hitch – Other options available
- Heavy-duty truck tie downs
- Engines – Caterpillar, Perkins, John Deere and Deutz available
- Flexible flywheel coupling
- Optional float activated, auto start/stop controls
- Manufactured in the USA

(1) Interim Tier 4 engine sold internationally. Consult MWI for engine options within USA.

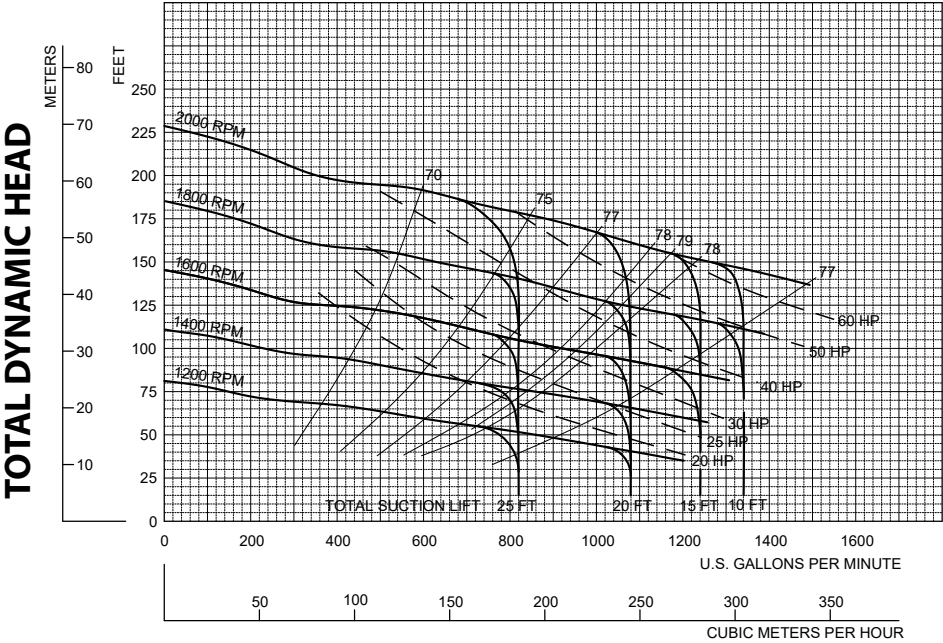
QUICK SPECIFICATIONS

Suction connection	6" 150# ANSI B16.5
Delivery connection	4" 150# ANSI B16.5
Max capacity	1350 USGPM
Max solids handling	3.0"
Max impeller diameter	12"
Max head (TDH)	230'
Max operating speed	2000 RPM
Max suction lift	25'
Dimensions	64 x 94 x 155"
Max fuel consumption	At 1800 RPM; up to 24 hr run time



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PERFORMANCE CURVE



Data shown is approximate pump performance at sea level with 60° Fahrenheit water.

Total suction lift is equal to static (vertical) suction lift plus all friction losses in suction line.

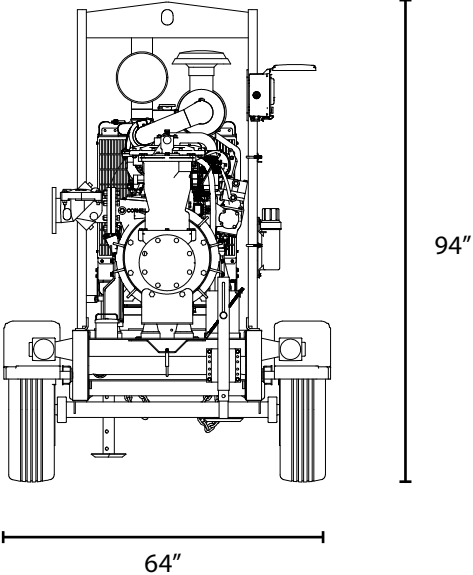
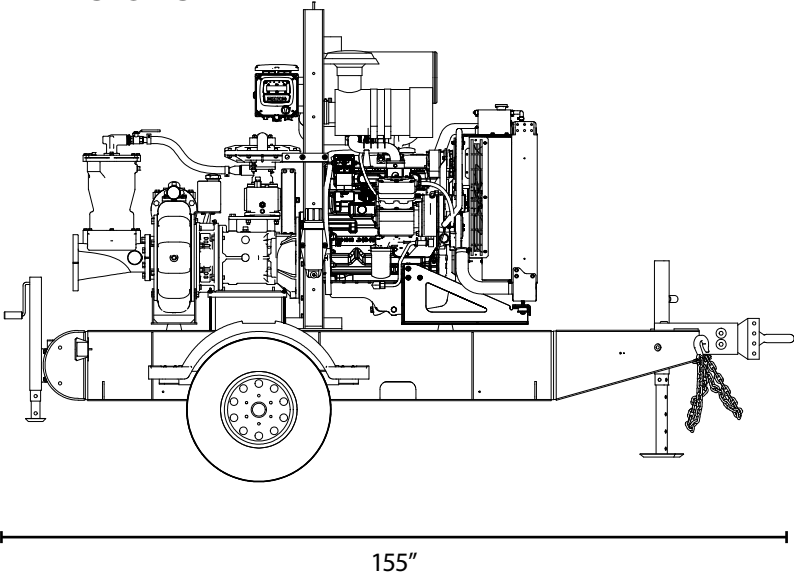
Efficiency shown is pump hydraulic efficiency. For NPSHR, refer to standard pump curve.

WATER FLOW

MATERIALS & SPECIFICATIONS	
Auto-start control panel	Tach and hour meter, shutdowns for low oil pressure, high coolant temperature, Plug-N-Play and float-ready
Mechanical seal	Stainless steel with tungsten carbide vs. silicon carbide faces; Buna elastomers

MATERIALS & SPECIFICATIONS	
Standard engine	EPA Interim Tier 4 John Deere 4045TF290
Max HP	74 HP [55kW]
Fuel capacity	94 Gallon
Drive type	Flywheel direct drive flexible element with SAE 4 housing and SAE 10" coupling
Impeller	Cast iron
Tangential volute	Cast iron
Shaft sleeve	416 Stainless steel
Discharge non-return valve	Val-matic swing flex check valve ASTM A536 grade 65-45-12
Vacuum pump	50 SCFM Maximum
Bearings	Grease lubricated
Check valve	Non-return
Weight (dry)	3750 lbs (trailer mounted unit)

DIMENSIONS



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