6GHTAPIKT4T1OP
6" HIGH PERFORMANCE TRASH PUMP, AUTO PRIME, OPEN, TRAILER UNIT

GLOBAL PUMP®
A MERSINO COMPANY

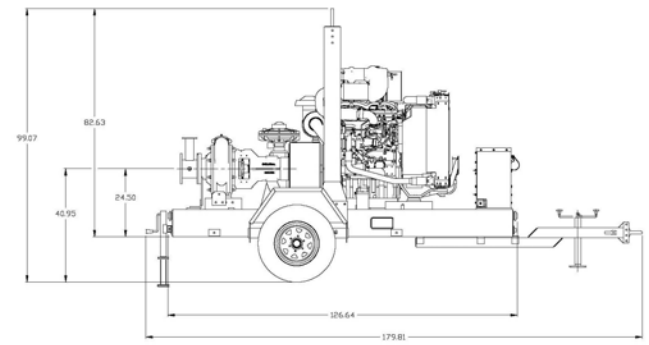
6GHT
GLOBAL HIGH PERFORMANCE TRASH

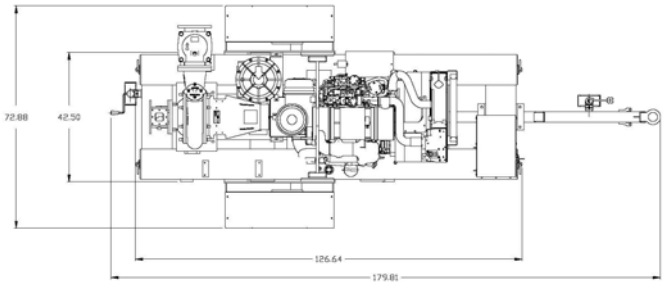
Global Pump® High Performance Trash pumps are specifically designed to effectively handle a wide-range of liquids from water to sewage and sludge that can contain solids and other material.

Global Pump High Performance Trash pumps provide a dependable, highly efficient solution. The model 6GHT is capable of achieving maximum flows of 3,200 gpm (727 m^3/h) and maximum total head of 223' (68 m) while handling solids up to 3" (76.2 mm) in diameter.

The standard 6GHT is powered by a water-cooled, 4-cylinder diesel engine. Alternative drives are available, including other diesel engines or electric motor options.

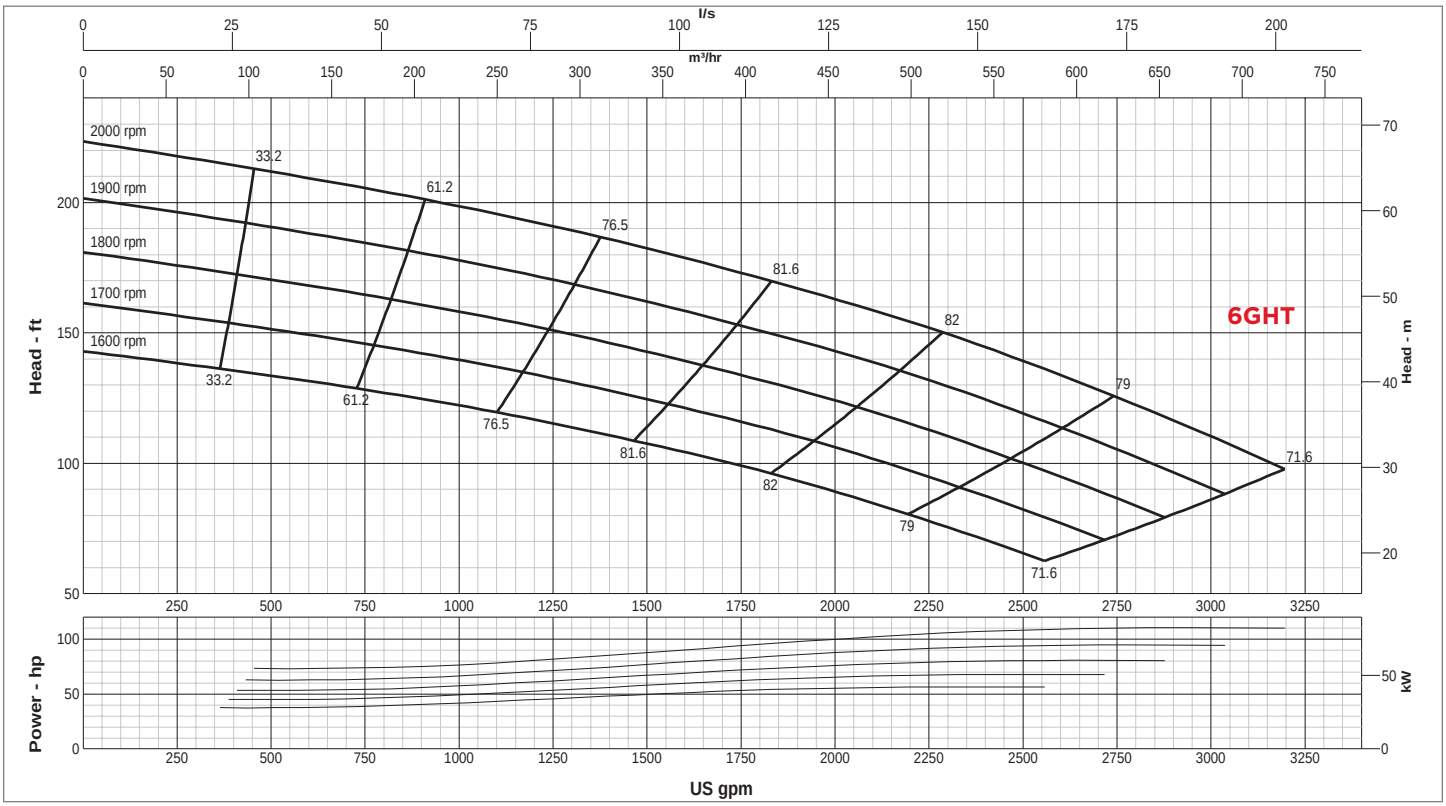
FEATURES	OPTIONS
Global Pump's rugged, heavy duty pumps are engineered specifically for portable application	Available with a variety of priming systems, including Global's Auto Prime® automatic priming system (compressor-fed venturi priming) or a diaphragm priming system
Non-return valve uses only a single moving part to allow full flow with minimal restriction	Mechanical seal with glycol (biodegradable optional) quench allows the pump to start and run dry
Standard engine control panel provides preset emergency shutdown protection and allows the addition of automatic level control	Global Pump's Environmental Box separates and silences air exhaust and returns liquid to the pump suction.
Fully guarded coupling	Fuel cubes for extended run times and/or remote location as required
Pump casings are hydrostatically tested to 50 psig (345 kPa) above the peak casing design pressure	Sound attenuated enclosure options
Highway trailer with integral fuel cell/chassis, lights, fenders, tie downs, lifting bail, front and rear jacks. Trailer brakes can be offered as required	Skid-mounted formats with tie downs, lifting bail, and fork pockets
	Hose racks, accessory containers and other custom features available as required
	Wide range of suction and discharge fittings including Global Pump's own "QD" Quick Disconnect fittings and accessories





SPECIFICATIONS	
Connections	6" (150 mm) ANSI Flanges
Max Pump Speed	2,000 rpm
Max Flow	3,200 gpm (727 m^3/h)
Max Head	223' (68 m)
Max Static Priming Lift	28' (8.5 m)
Temperature Limit	160° F (70° C)
Solids Handling Capability	3" (76.2 mm)
Max Casing Pressure	125 psig (862 kPa)
Fuel Cell	109 gallons (413 liters)
Dry Weight	4,800 lbs

PUMP MATERIAL	
Casing	Cast Iron (CD4MCu is an option)
Impeller	Cast Iron (CD4MCu is an option)
Bearing Housing	Cast Iron
Bearing Lubrication	Grease
Shaft/Shaft Sleeve	Steel/FNC Treated Steel
Seal	Silicon Carbide on Silicon Carbide
Chassis/Fuel Cell	Steel
Non-Return Valve	Nitrile Fitted Cast Iron



GLOBAL PUMP
10162 East Coldwater Road, Davison, MI 48423
Tel: 810.653.4828 Fax: 810.658.0632
1.866.360.PUMP www.globalpump.com

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GLOBAL CONTROL BOX

ADVANCED PUMP CONTROL

A wide range of operating modes for both manual and auto operation to match the pumping requirements of the application.

DESCRIPTION
GENERAL
• Full Display • Fault Code Reader and Alarm Log • Service Alerts • Fuel Level Available • Alarm Horn • Monitor Suction & Discharge Pressure
AUTO START OPERATION MODES
• FLOATS (Single and Dual Float) • PRESSURE (Start, Stop and Maintain Pressure) • LEVEL (Start, Stop and Maintain Level) • INTEGRATED SCHEDULER (Run Days/Times)
AUTO THROTTLE OPERATION
• Warm Up Speed & Period • Prime Speed & Period • Operating Speed • Cool Down Speed & Period • Pressure and Level Maintain
FAILSAFE FLOAT BACKUP
• Float backup available in case of pressure or level transducer failure

PUMP CONTROL TECHNOLOGY

Controls, Incorporated brings its advanced engine control technology and reputation for durability to provide advanced pump control with simple and intuitive operation for Global Pump.

DURABILTY

The water tight IP67 rated display and control module is mounted in a NEMA 4X rated panel providing a two layer construction for maximum protection.

EASY-TO-READ DISPLAY

An advanced OLED display provides superior visibility in all lighting conditions while providing an extended temperature down to -40°C/-40°F.

Suction and discharge pressure monitoring is also available.

AUTO START OPERATION

A variety of auto start and auto throttle modes are available, providing a wide range of pump control options.

Auto Start/Stop
- Floats, Level, Pressure, Real-Time Clock Scheduler

Auto Throttle
- Warm Up, Prime, Operating and Cool Down Speeds
- Auto Throttle to Maintain Level or Pressure

Failsafe Float Backup
- Float backup for pressure and level applications

THROTTLE CONTROL

Minimum speed, maximum speed and rate of acceleration are selectable to assure the pump always operates in the correct speed range.

FAULT CODES

Engine alarm codes are displayed along with easy-to-read messages and corresponding yellow or red lamp illumination.

COMMUNICATIONS

Panel communications for simple integration with external devices, SCADA, remote monitoring and telemetry systems.

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Kubota

EPA TIER 4 Final

EU STAGE IV

INDUSTRIAL DIESEL ENGINE

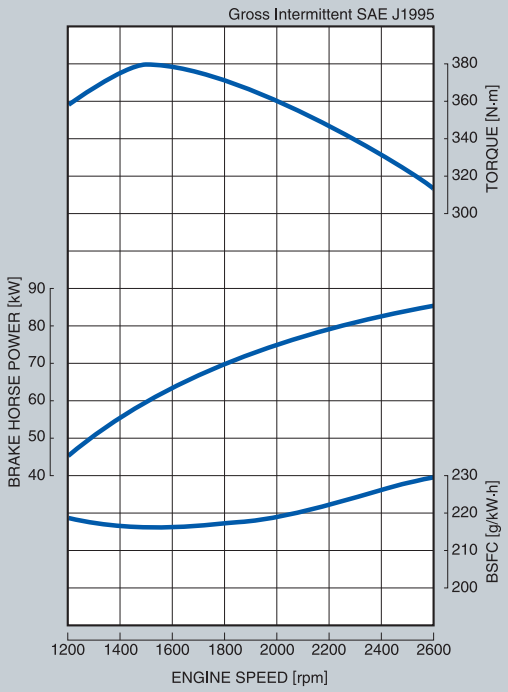
KUBOTA V3 SERIES (4-cylinder) V3800-TIEF4B

RATED POWER

86.4kW@2600rpm

Photographs may show non-standard equipment.

PERFORMANCE CURVES



FEATURES and BENEFITS

Performance and Technology

Customers expect two things from Kubota: the strong performance and the latest technology.
We continue to provide both by seeking excellence in emissions compliance and new strides in fully electronic controlled engine. These key areas allow Kubota to offer flexibility in our products and services to customers worldwide.

Emission Compliance

The Kubota's V3 Series engine complies with EPA/CARB Tier 4 Final and EU stage IV. They require NOx (nitrogen oxide) reduction by about 90% in comparison with the prior regulations. In order to reduce NOx, we have adopted Selective Catalytic Reduction (SCR). Along with the Diesel Particulate Filter (DPF) and Diesel Oxidation Catalyst (DOC), we have developed the integrated emissions technology and system to comply with the latest emissions regulations.

Clean and Quiet Power

The Common Rail System has made it possible to optimize combustion and create a more durable, quiet, and fuel efficient engine. Furthermore, we offer a cleaner high-performance engine, by screening and controlling the exhaust gas with the aftertreatment device.

Flexibility

When working with customers in different countries who have different engine requirements, flexibility is a must.
Since Kubota's V3 Series engines have evolved step-by-step to meet every EPA Tier, we can provide the appropriate emission regulation certified engine to any customer worldwide. In addition, we have designed an aftertreatment device with minimum package impact for easy installation.

Reliability

The Kubota's V3 Series engines are the best solution for your company's global marketing strategy. We continuously strive to meet your needs with the experience and expertise you expect and deserve.

KUBOTA V3 SERIES

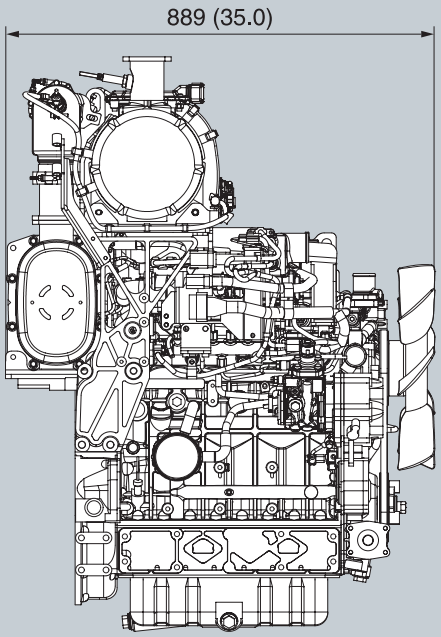
V3800-TIEF4B

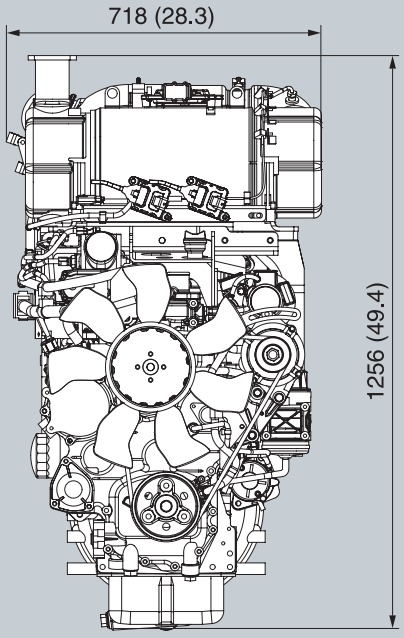
GENERAL SPECIFICATIONS

Model		**V3800-TIEF4B**
Emission Regulation		Tier 4 Final / Stage Ⅳ
Type		Vertical 4-cycle liquid cooled Diesel
Number of Cylinders		4
Bore	mm (in)	100 (3.94)
Stroke	mm (in)	120 (4.72)
Displacement	L (cu.in)	3.769 (230.0)
Combustion System		DI
Aspiration		Turbo charged + Turbo After Cooler
Aftertreatment device		DOC+DPF+SCR
Maximum Speed	rpm	2600
Output: Gross Intermittent	kW	86.4
	HP	115.8
	ps	117.4
Direction of Rotation		Counter clockwise Viewed from Flywheel side
Oil Pan Capacity	L (U.S.gal)	13.2 (3.49)
Starter Capacity	V-kW	12-3.0
Alternator Capacity	V-A	12-100
Length	mm (in)	889 (35.0)
Width	mm (in)	718 (28.3)
Height	mm (in)	1256 (49.4)
Dry Weight	kg (lb)	400 (881.8)

*Specification is subject to change without notice.
*DOC: Diesel Oxidation Catalyst
*DPF: Diesel Particulate Filter
*SCR: Selective Catalytic Reduction
*Output: Gross Intermittent SAE J1995
*Dimensions and dry weight are according to Kubota's standard specification.

DIMENSIONS





Dimensions and weight depend on completed specifications.

KUBOTA Engine America Corporation
505 Schelter Road, Lincolnshire, IL 60069
Phone: 847-955-2500 Fax: 847-955-2699
www.kubotaengine.com

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