

ACDEU

Sound Attenuated Environmental Silent Pump Priming Assisted Centrifugal Pump w/Autostart



Model PAV3B60C-3TNV70 - ESP Size 3" x 3"



VARIOUS PATENTS APPLY

Total Head	Capacity of Pump in Litres per Second (L/S) at Continuous Performance			
	Meters			
39	3.1	3.1	3.1	3.1
36.5	7.3	7.9	8.2	8.2
33.5	9.2	11.1	12.5	12.6
30.5	10.7	13.2	14.8	15.4
27.5	11.7	14.7	16.4	17.2
24.4	12.3	15.6	17.9	19
21.3	12.9	16.3	18.9	20.5
18.3	13.2	16.8	20	22
15.2	13.4	17.3	20.8	23
12.2	13.6	17.7	21	23.9
9.15	13.9	18	21.7	24.6
Suction Lift	7.6	6	4.5	3



PUMP SPECIFICATIONS

Size: 3" x 3" (76,2 mm x 76,2 mm) Flanged.

Casing: Gray Iron 30.

Maximum Operating Pressure 88 psi (607 kPa).*

"Staggerwing"™ Four Vane Vortex Impeller: Ductile Iron 65-45-12.

Handles 3" (76,2 mm) Diameter Spherical Solids.

Impeller Shaft: Alloy Steel 4150.

Bearing Housing: Gray Iron 30.

Seal: Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Silicon Carbide Rotating and Stationary Faces. Stainless Steel 316 Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).*

Shaft Sleeve: Alloy Steel 4130.

Priming Chamber: Gray Iron 30 Housing w/Stainless Steel Float and Linkage.

Flap Valve: Neoprene w/Nylon and Steel Reinforcing.

Thrust and Radial Bearings: Open Single Row Ball.

Bearing Lubrication: SAE #30 Non-Detergent Oil.

Flanges: Gray Iron 30.

Gaskets: Vegetable and Compressed Synthetic Fibers.

O-Rings: Fluorocarbon (DuPont Viton® or Equivalent) and Buna-N.

Hardware: Standard Plated Steel.

Bearing and Seal Oil Sight Gauge.

*Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.

Standard Equipment: Belt-Driven Air Compressor. Hoisting Bail. Combination Skid Base w/Fuel Tank. Strainer.** Soundproof (EPA Average 67 dBA @ 7 meters). Lightweight Aluminium Enclosure – Removable for Maintenance of Pump or Engine – w/Lockable Door Panels. Spill Containment Base w/Integral Drains and Fork Lift Pockets. 12V Battery w/2 Watt Solar Battery Charger. Dual Float Switch with 15m cable.

Optional Equipment: Road registrable trailer, Camlock fittings, Bauer fittings and flanges options available.

**Alternate Cable Lengths Available From the Factory.



ENGINE SPECIFICATIONS

Model: Yanmar 3TNV70.

Type: Three Cylinder, Four Cycle, Liquid Cooled Diesel Engine.

Displacement 52 Cu. In. (.854 Liters).

Governor: Electronic Isochronous.

Lubrication: Forced Circulation.

Air Cleaner: Dry Type.

Oil Reservoir: 1.8 U.S. Quart (1.7 Liters) Refill.

Fuel Tank: 28 U.S. Gallons (106 Liters).

Full Load Operating Time: 24 Hrs.

Starter: 12V Electric.

Standard Features: Low Oil Pressure and High Coolant Temperature Safety Shut Down Switches. Autostart Instrument Panel Includes: Tachometer, Voltmeter, Hourmeter, Coolant Temperature Gauge, Oil Pressure Gauge, Manual/Stop/Auto Key Switch, 10 Amp Pushbutton Circuit Breaker, Startup Warning Delay. Muffler w/Weather Cap. Throttle Control.

YANMAR PUBLISHED PERFORMANCE:

Maximum Net Industrial B.H.P.21.9 (16.3 kW) @ 3600 RPM



HYDRO INNOVATIONS • SILVERWATER, NSW, AUSTRALIA

www.HydroInnovations.com.au

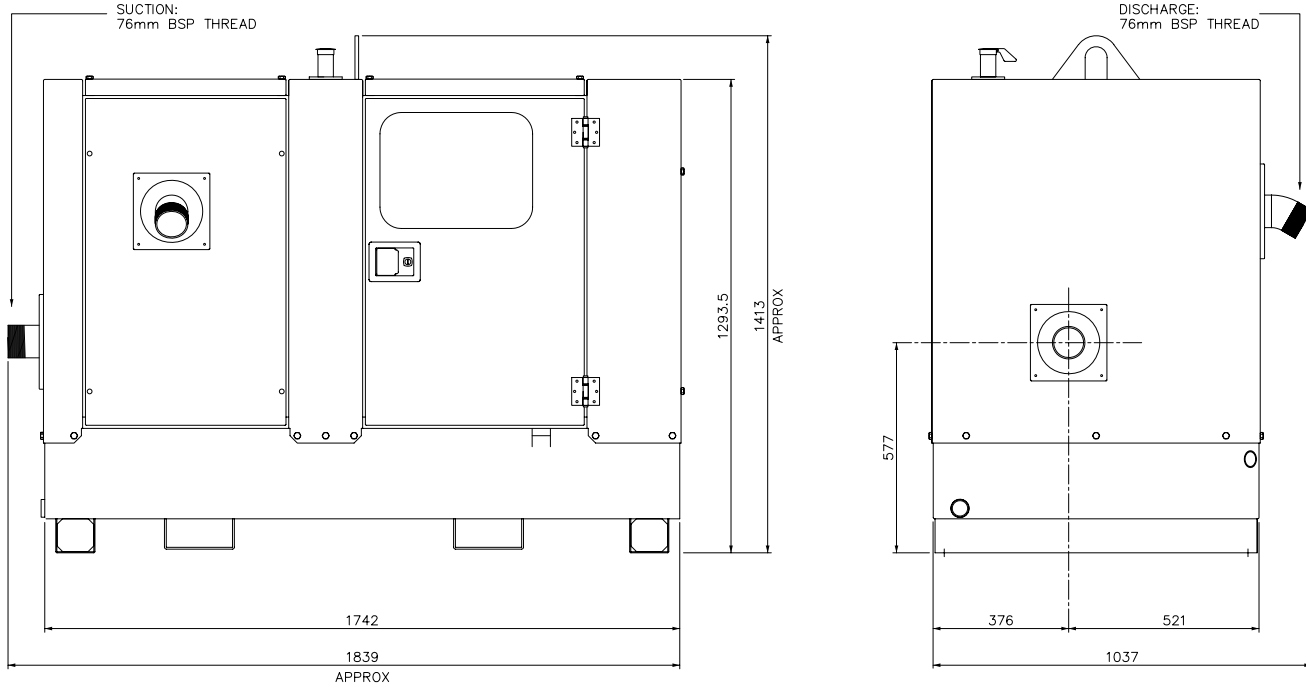
Specifications Subject to Change Without Notice

**Hydro Innovations
Specification Data**

February 2012

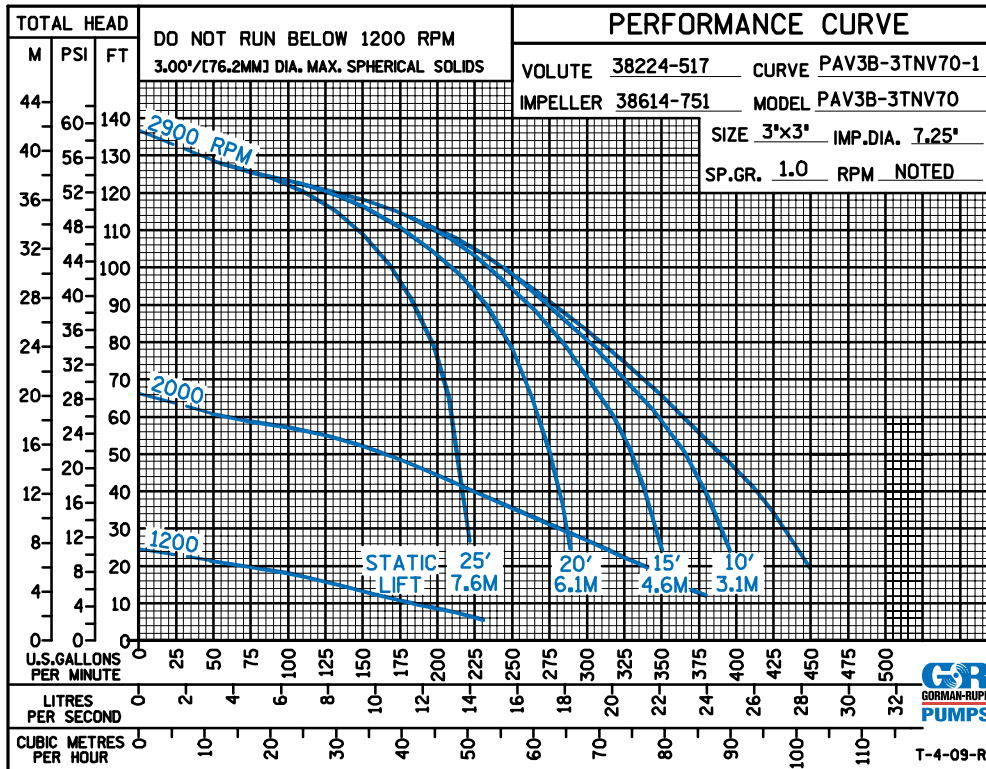
APPROXIMATE
DIMENSIONS and WEIGHTS

SKID BASE
NET WEIGHT: 846 KGS.
SHIPPING WEIGHT: 936 KGS.
EXPORT CRATE SIZE: 78 CU. FT. (2,2 CU. M.)



DIMENSIONS:
(MILLIMETERS)

POWERED BY A YANMAR 3TNV70 DIESEL ENGINE



HYDRO INNOVATIONS • SILVERWATER, NSW, AUSTRALIA

www.HydroInnovations.com.au

Specifications Subject to Change Without Notice