

**PRIME<sup>3</sup> Vacuum Assisted Suction Pump**  
**Model PT6TPA-E40**  
**Size 6" (150mm) Trash Pump**

Holland Pump Company  
Corporate Office: 7312 Westport Place  
West Palm Beach, FL 33413  
USA  
1-800-451-0769  
www.hollandpump.com

**PUMP SPECIFICATIONS:**

**Type/Model:** Solids handling/Cornell Redi Prime

**Volute:** Cast iron ASTM A48 class 30

**Flanges:** 6" (150mm) suction, 6" (150mm) discharge

**Impeller:** Non-clogging, balanced, 2 vane, 10.09" (256mm) diameter, enclosed

**Solids:** Handles 3" diameter compressible, spherical solids

**PRIME<sup>3</sup> Priming System:** Automatic priming system that features a 50 cfm (24 l/s) water tolerant, diaphragm vacuum pump driven by the main drive shaft. Our major competitors use a 15 cfm compressor pump with a small compressor venturi that can easily clog. The air/water separator is a simple, reliable float that opens and closes a rubber plunger as water rises and falls. A non return valve isolates the pump during priming and protects against back flow

**Wear Rings:** Replaceable (Double wear rings available)

**Seal:** Cornell's patented Cycloseal® design with Run-Dry oil lubrication system. John Crane T-2 single mechanical seal with Viton® elastomers, stainless steel hardware and tungsten- vs. silicon carbide seal faces for abrasion resistance

**Discharge Valve:** Val-matic or equal

**Shaft Sleeve:** Heat treated 416 stainless steel

**Bearings:** Heavy duty, grease lubricated, deep groove ball bearings, with a minimum of 50,000 hours bearing life

PT6TPA-E40			Shutoff Head: 36.9 meters		
Flow (m <sup>3</sup> /h)	Speed (RPM)	TDH (m)	Pump Efficiency (%)	Power (kW)	Max Suction Head (m)*
1248	1770	48.9	59	26.3	13.7
1040	1770	65.3	71	24.4	20.6
832	1770	77.1	76	21.4	23
768**	1770	80.3	76	20.4	23
624	1770	87.1	74	18.4	15.6
416	1770	96.7	68	15	18.9
*Max Suction Head is suction lift plus friction losses without risk of suction cavitation					
**Best Efficiency Point					

**MOTOR SPECIFICATIONS**

**Motor:** Severe duty premium efficient 40 HP 230/460 3 phase, 60 Hz (or 50 Hz as needed)

**Control:** Standard across the line Starter, soft start - optional VFD, variable voltage, NEMA 4X, Explosion proof



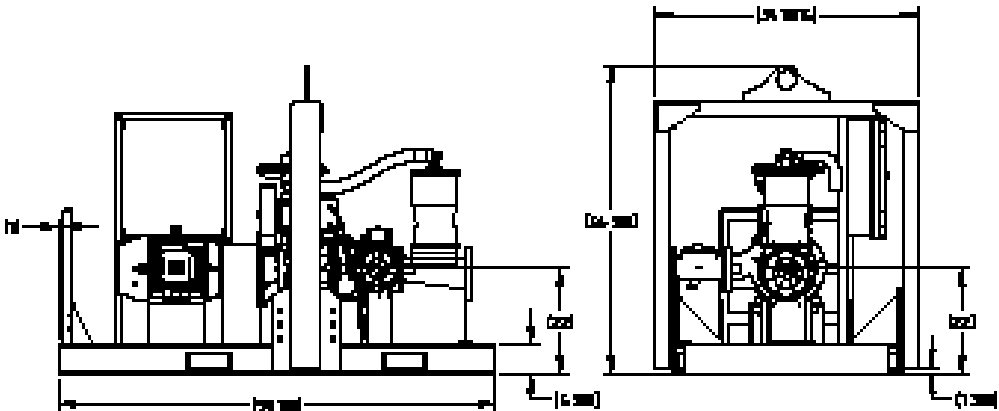
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Approximate Dimensions  
Powered by 40 HP (29.8 kW) electric motor

	Skid Base	DOT Trailer
Net Weight (lbs)	2600	2900
Net Weight (kg)	1179	
Shipping Weight	2700	N/A
Export Crate Size	119	N/A



Performance Curve Model: PT6TPA- E40  
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