

Your One-Stop Shop for Pumps, Parts, Rental and Repair...

PUMPS

- Centrifugal
- Gear
- Submersible
- Air-operated Diaphragm
- Self-priming
- Split-case
- Engine-Driven
- Skids / Units
- Rotary Lobe
- Metering / Dosing

MECHANICAL SEALS

- Single/Double Cartridge
- Component/Spring
- Metal Bellows
- Mixer/Agitator
- Seal Pots & Systems

MOTORS & DRIVES

- Explosion-proof
- IEEE841 Petro-Chem
- Control Panels
- Soft-starters
- VFD's
- Gearboxes/Gearmotors

PERIPHERALS

- ALL Coupling Types
- Coupling Guards
- Bearing Isolators
- Shims
- Baseplates / Skids
- Valves
- Spiral-wound Gaskets
- Hose Assemblies



Redefined the Standard of Performance Air-operated Double Diaphragm Pumps.



ANSI, Process, and Self-priming Pumps; After-market Parts for Popular Manufacturers.



Mechanical Seals and Support Systems Manufactured in the U.S.A.



Designer and Manufacturer of Mechanical Power Transmission Products.



Diverse Manufacturer of Pumps and Solutions for Water, Wastewater and Industrial Applications.



The Global Solution for Electric Motors and Automation for Industry.



Large Variety of Submersible, Waste Water and Stainless Steel Corrosive Resistant Pumps.



Inventor and world leader of permanent bearing protection and shaft sealing solutions.



Leader in Vertical Sump Pumps for All Wastewater Applications.



Gear and Centrifugal Pump Specifically Design for Chemical Industry



World Leader in Helical Gear Pump Manufacturing.



Manufacturer of metering pumps and metering systems.



Maker of a wide variety of gearboxes and gear-motors for all industries.



Chemical and Dosing Pump Specialists.



Centrifugal & Positive Displacement Pumps, Mechanical Seals, and Fire Protection.



Leading Manufacturer of High-Performing Centrifugal Pumps.



Industrial Electric Motor and Mechanical Power Transmission Products.



Finish Thompson is a designer and manufacturer of industrial chemical transfer pumps.



Since 1965 Sandpiper Has Held A Leading Position In The AOD Pump Market.

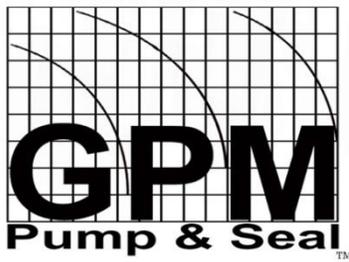


Leading World-wide Specialist In The Progressive Cavity Pump Industry.

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$$\frac{GPM_1}{GPM_2} = \frac{RPM_1}{RPM_2} \rightarrow GPM_2 = GPM_1 \left(\frac{RPM_2}{RPM_1} \right)$$

$$\frac{TDH_1}{TDH_2} = \left(\frac{RPM_1}{RPM_2} \right)^2 \rightarrow TDH_2 = TDH_1 \left(\frac{RPM_2}{RPM_1} \right)^2$$

$$\frac{BHP_1}{BHP_2} = \left(\frac{RPM_1}{RPM_2} \right)^3 \rightarrow BHP_2 = BHP_1 \left(\frac{RPM_2}{RPM_1} \right)^3$$

HEAD & PRESSURE FORMULA

$$\text{Head in feet} = \frac{(\text{Head in psi}) \times 2.31}{(\text{Sp. Gr.})}$$

$$\text{Head in psi} = \frac{(\text{Head in feet}) \times (\text{Sp. Gr.})}{2.31}$$

$$^{\circ}\text{F} = ^{\circ}\text{C} \left(\frac{5}{9} \right) + 32$$

$$^{\circ}\text{C} = \left(^{\circ}\text{F} - 32 \right) \frac{5}{9}$$

PUMPING POWER FORMULA

Centrifugal pumps:

$$\text{Brake hp} = \frac{\text{gpm} \times H_t \times \text{Sp. Gr.}}{3960 \times \text{Efficiency}}$$

Rotary and reciprocating pumps:

$$\text{Brake hp} = \frac{\text{gpm} \times \text{psi}}{1714 \times \text{Efficiency}}$$

$$\text{KW} = \frac{\text{pump bhp} \times 0.7457}{\text{motor efficiency}}$$