

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
- Riser Blocks
- Spiral-wound Gaskets
- Hose Assemblies



CRANE

Pumps & Systems

PROSSER DEMING

BARNES' WEINMAN'

burks

CROWN

Flex-A-Seal

Redefined the Standard of Performance Airoperated Double Diaphragm Pumps.



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

Diverse Manufacturer

Solutions for Water.

Industrial Applications.

Wastewater and

of Pumps and



TB Wood's

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

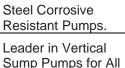
Designer and Manufacturer of Mechanical Power Transmission Products.



The Global Solution for Electric Motors and Automation for Industry.



Large Variety of Submersible, Waste Water and Stainless Steel Corrosive





Gearboxes. Reducers and Drive Technology for All Industrial Applications.



Gear and Centrifugal Pump Specifically Design for Chemical Industry



1/5;2//7/0

World Leader in Helical Gear Pump Manufacturing.



Manufacturer of metering pumps and metering systems



Heavy-duty Positive Displacement Industrial Pumps.



Chemical and Dosing Pump Specialists.



Complete Line of Rotary Lobe Pumps and In-line Grinders.



Leading Manufacturer of High-Performing Centrifugal Pumps.



Industrial Electric Motor and Mechanical Power Transmission Products.



Global Leader in High-Performance Fluid Sealing Products.



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

SEEPEX. **ALL THINGS FLOW**

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

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 $\frac{\text{GPM}_1}{\text{GPM}_2} = \frac{\text{RPM}_1}{\text{RPM}_2}$

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

 $\frac{\text{TDH}_1}{\text{TDH}_2} = \left(\frac{\text{RPM}_1}{\text{RPM}_2}\right)^2$

 $\rightarrow TDH_2 = TDH_1 \left(\frac{RPM_2}{RPM_1} \right)^{\frac{1}{2}}$

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

 $\Rightarrow BHP_2 = BHP_1 \left(\frac{RPM_2}{RPM_1} \right)$

HEAD & PRESSURE FORMULA

Head in feet

Head in psi

(Sp. Gr.)
(Head in feet) x (Sp. Gr.)
2.31

(Head in psi) x 2.31

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

PUMPING POWER FORMULA entrifugal pumps:

Brake hp

gpm x H_{ft} x Sp. Gr. 3960 x Efficiency

Rotary and reciprocating pumps

Brake hp =

gpm x psi 1714 x Efficiency

KW = pump bhp x 0.7457