

The Pumps with Nine Lives
Q. How can I find the RPM needed to get specific GPM (Gallons Per Minute) I want?
A. Desired RPM $=$ Desired GPM $\times \frac{\text { Rated RPM }}{\text { Rated GPM }}$
Q. I have to run my pump at a certain RPM. How do I figure the GPM I'll get?
A. Desired GPM $=$ Desired RPM $\times \frac{\text { Rated GPM }}{\text { Rated RPM }}$
Q. Is there a simple way to find the approximate horsepower I'll need to run the pump?
A. Electric Brake Horsepower (Standard 85\% Mech. Efficiency) Required $=\frac{\text { GPM x PSI }}{1460}$
Q. What size motor pulley should I use?
A. Pump Pulley (Outer Diameter) $\times \frac{\text { Pump RPM }}{\text { Motor/Engine RPM }} \quad$ (Consult Engine Mfr.)
Q. How do I calculate the torque for my hydraulic drive system?
A. Torque (ft. Ibs.) $=3.6 \times \frac{\mathrm{GPM} \times \text { PSI }}{\text { RPM }}$

