

Relationship Between Horsepower and Torque

$$\text{Torque} = \text{HP} \times (63025/\text{rpm}) \times \text{eff}$$

$$\text{HP} = \text{Torque} / ((63025/\text{rpm}) \times \text{eff}) = (\text{Torque} \times \text{rpm}) / (63025 \times \text{eff})$$

Torque units are In-lbs