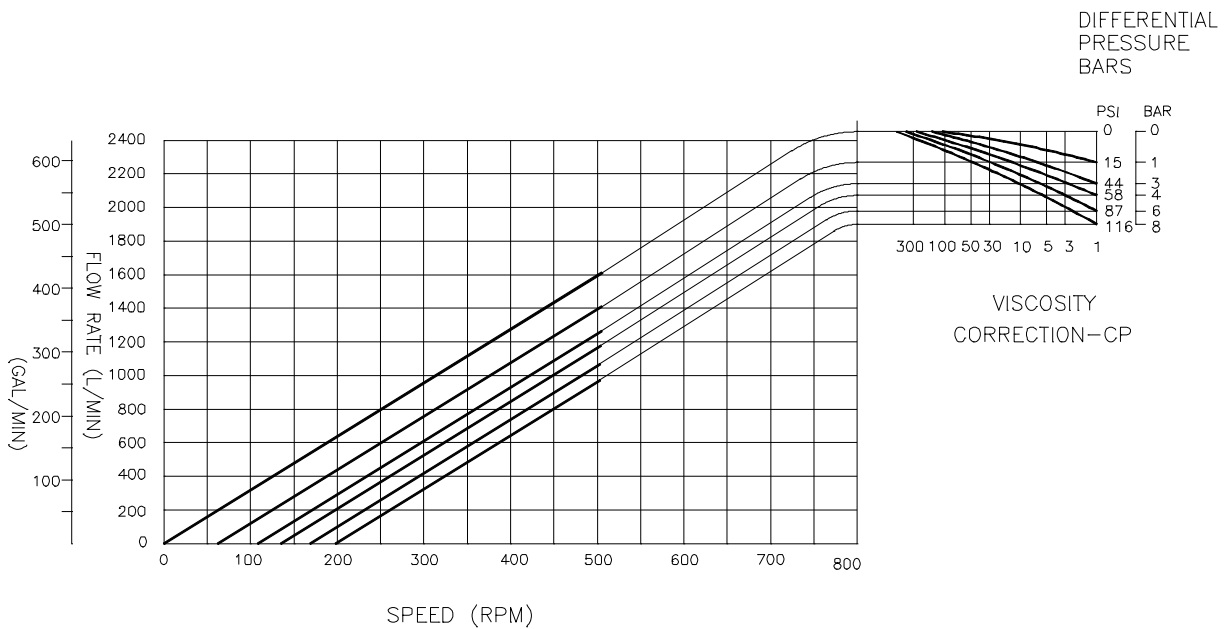


# Rotary Lobe Pump RZL450

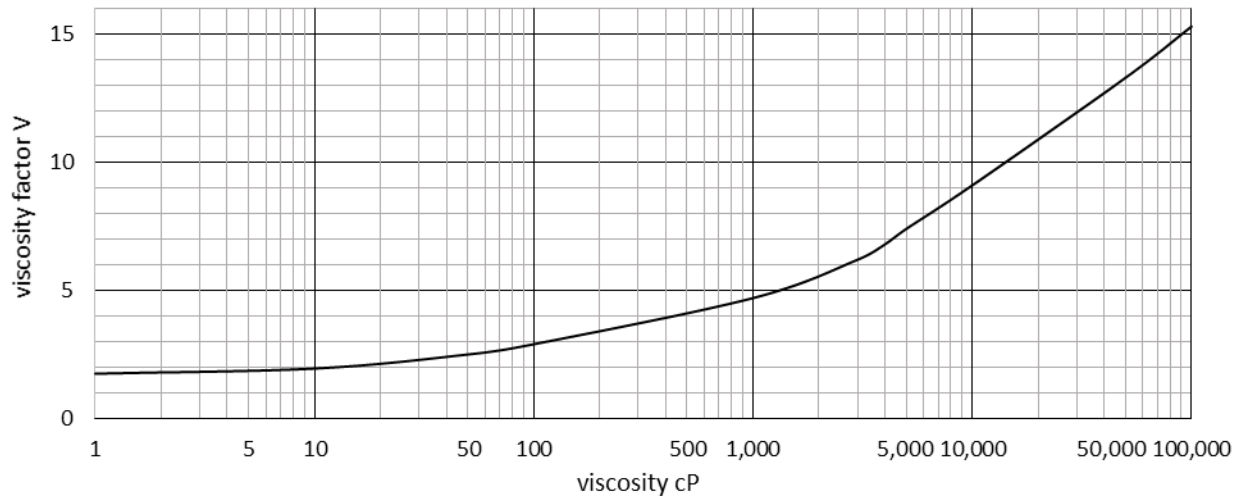
APPLIES TO BI-WING, BI-LOBE, AND SINGLE WING\* ROTORS

\* SINGLE WING ROTOR MAX 100 RPM

PORT SIZE: 5 X 5



## Power Calculation for Viscosity Liquids



$$\text{(English units) Total Power (HP)} = (0.0007 \times p + 0.0051 \times v) \times n \times c$$

$$\text{(Metric units) Total Power (Kw)} = \frac{(2 \times p + v) \times n \times c}{1000}$$

$p$  = pressure (psi or bar)

$v$  = viscosity correction factor (from graph)

$n$  = speed (RPM)

$c$  = displacement (0.88 gal/rev or 3.34 L/rev)