Rotary Lobe Pump AccuLab
Applies to multi-lobes rotor

Power Calculation for Viscosity Liquids

(English units) Total Power (HP) = (0.0007 × p + 0.0051 × v) × n × c
(Metric units) Total Power (Kw) = \(\frac{(2 × p + v) × n × c}{1000}\)

p = pressure (psi or bar)
v = viscosity correction factor (from graph)
n = speed (RPM)
c = displacement \((0.006\ \text{gal/rev} \text{ or } 0.02\ \text{L/rev})\)

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