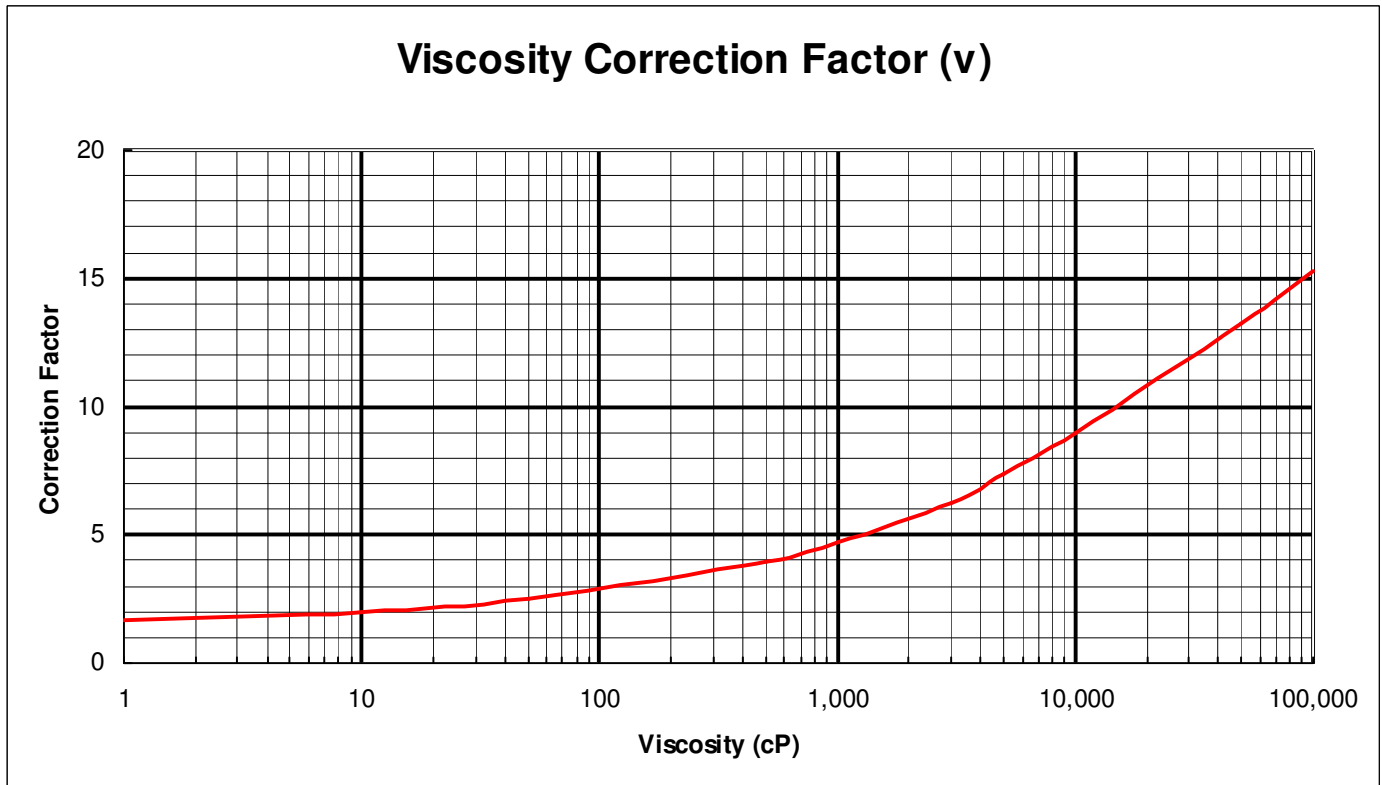


Absorbed Power Calculation for Viscous Media



$$\text{Corrected Power (Kw)} = N = \frac{(2 \times p + v) \times n \times c}{1000}$$

Where: p = pressure (bar)
 v = viscosity correction factor (from graph above)
 n = speed (rpm)
 c = displacement (l/rev, from table below)

ZL Series	105	110	115	120	220	225	330	340	440	460
c	0.02	0.05	0.12	0.21	0.40	0.62	1.02	1.44	2.27	3.34

Example: ZL225 w/ 3000 cP media operating @ 350 rpm & 5 bar

p = 5 bar
 v = 6.2, obtained from above graph
 n = 350 rpm
 c = 0.62 l/rev, from above table

$$N = \frac{(2 \cdot 5 + 6.2) \cdot 350 \cdot 0.62}{1000} = 3.5\text{Kw}$$