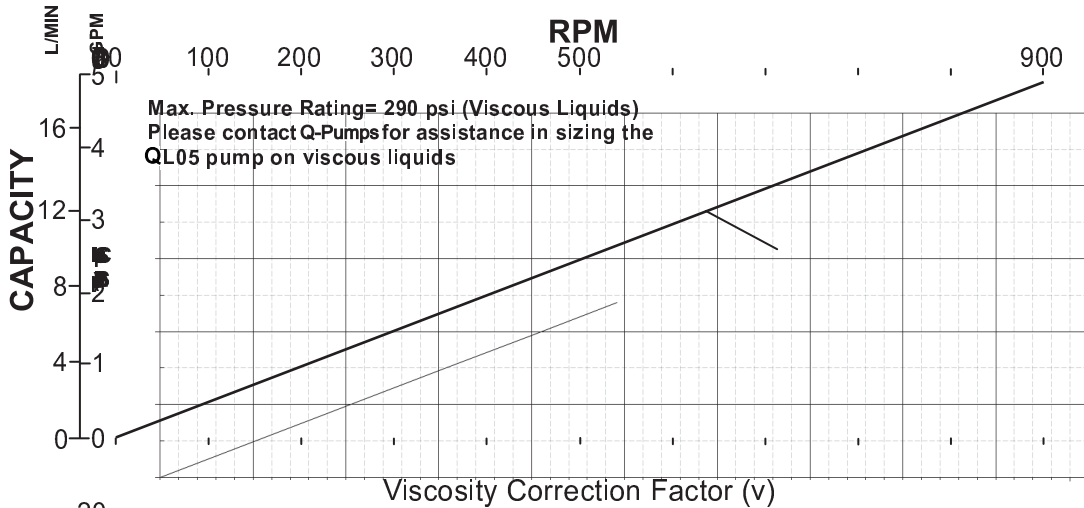




QL SERIES CURVES



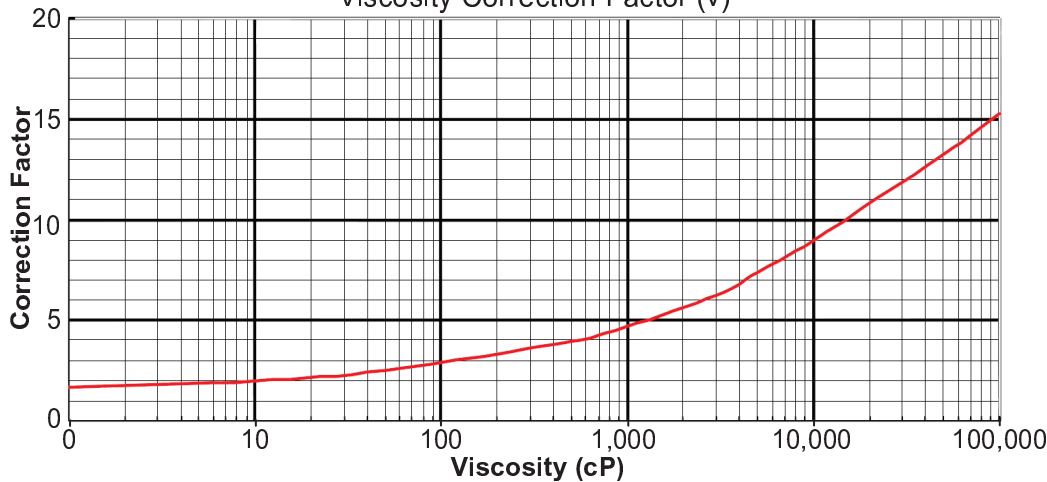
QL Series Model: **QL05**

Standard Clearances
Standard Port Size = 1.0"
Displacement =
0.005 Gal/Rev
(0.020 L/Rev)

Operating Specifications:

- 0-1000 RPM Range
- 290 PSI (20 bar) Max. Pressure
- Temperature Range
-40 °F (-40°C) to
250 °F (121°C)

Subject to change without notice



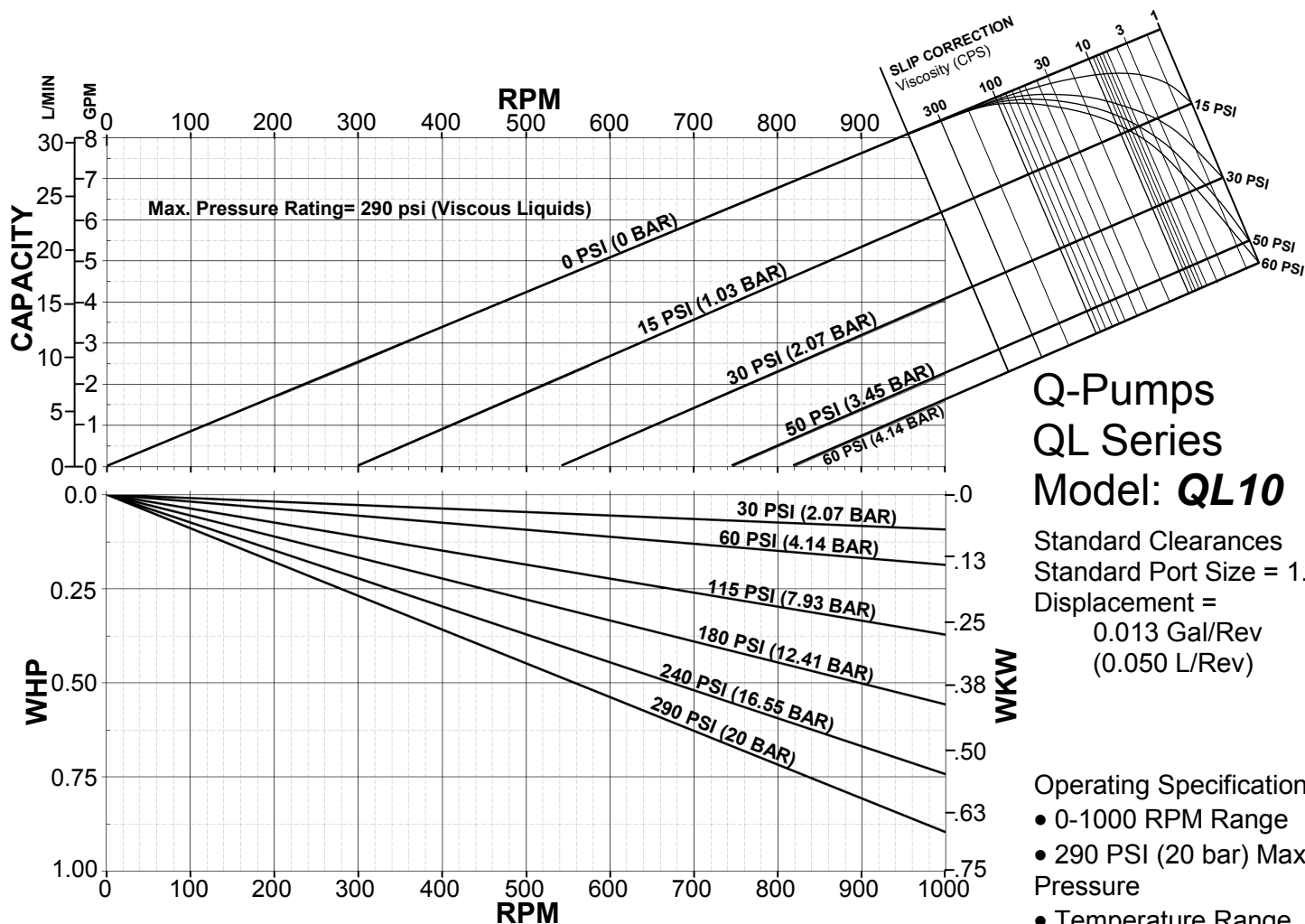
(English units) **Total Power (HP)** = $(.0007 \times p + .0051 \times v) \times n \times c$

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

Where: p = pressure (psi or bar)
v = viscosity correction factor (from graph)
n = speed (RPM)
c = displacement (G/rev. or L/rev from table below)

QL Series Model	05
C (G/rev)	.005
C (L/rev)	.020

QL Series Positive Displacement Pumps



Q-Pumps QL Series Model: **QL10**

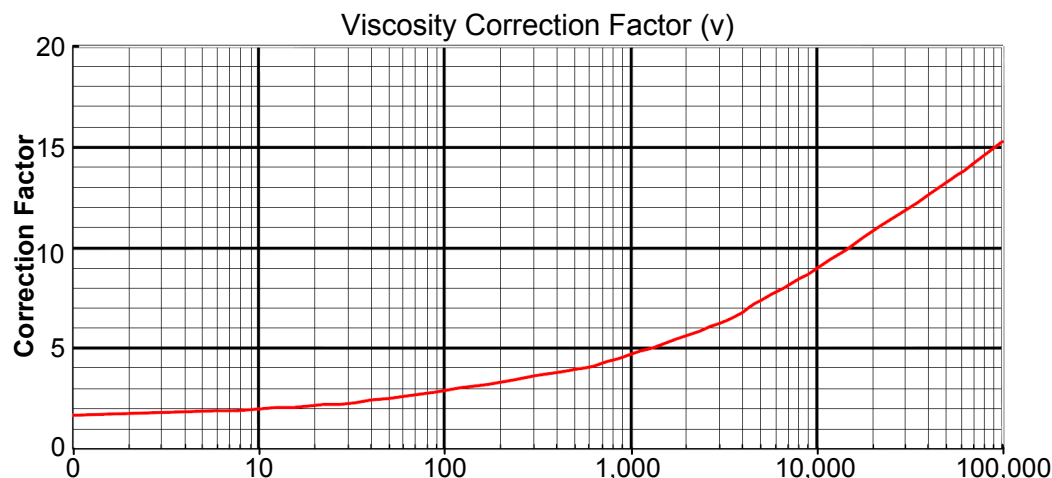
Standard Clearances
Standard Port Size = 1.0"
Displacement =
0.013 Gal/Rev
(0.050 L/Rev)

Operating Specifications:

- 0-1000 RPM Range
- 290 PSI (20 bar) Max. Pressure

- Temperature Range
-40 °F (-40°C) to
250 °F (121°C)

Subject to change without notice



Viscosity (cP)

(English units) **Total Power (HP)** = $(.0007 \times p + .0051 \times v) \times n \times c$

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

Where: p = pressure (psi or bar)

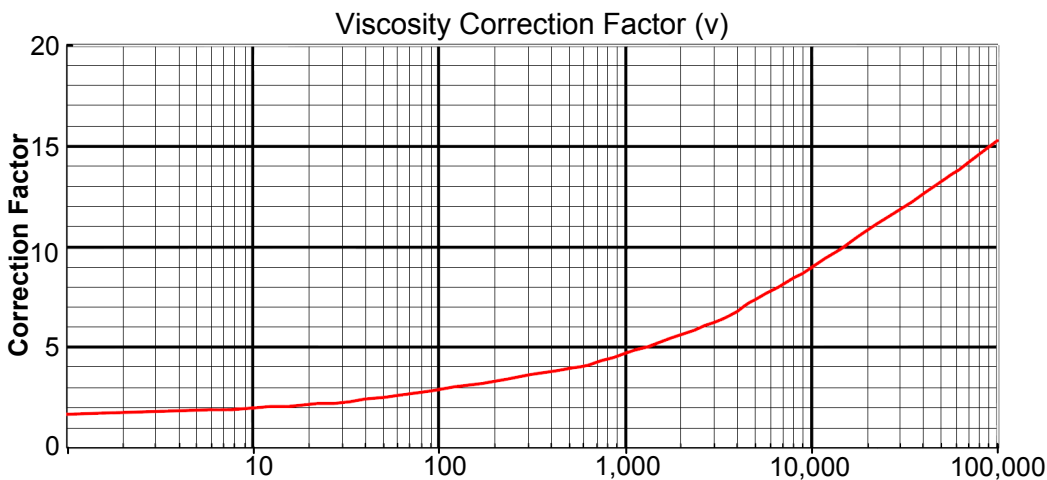
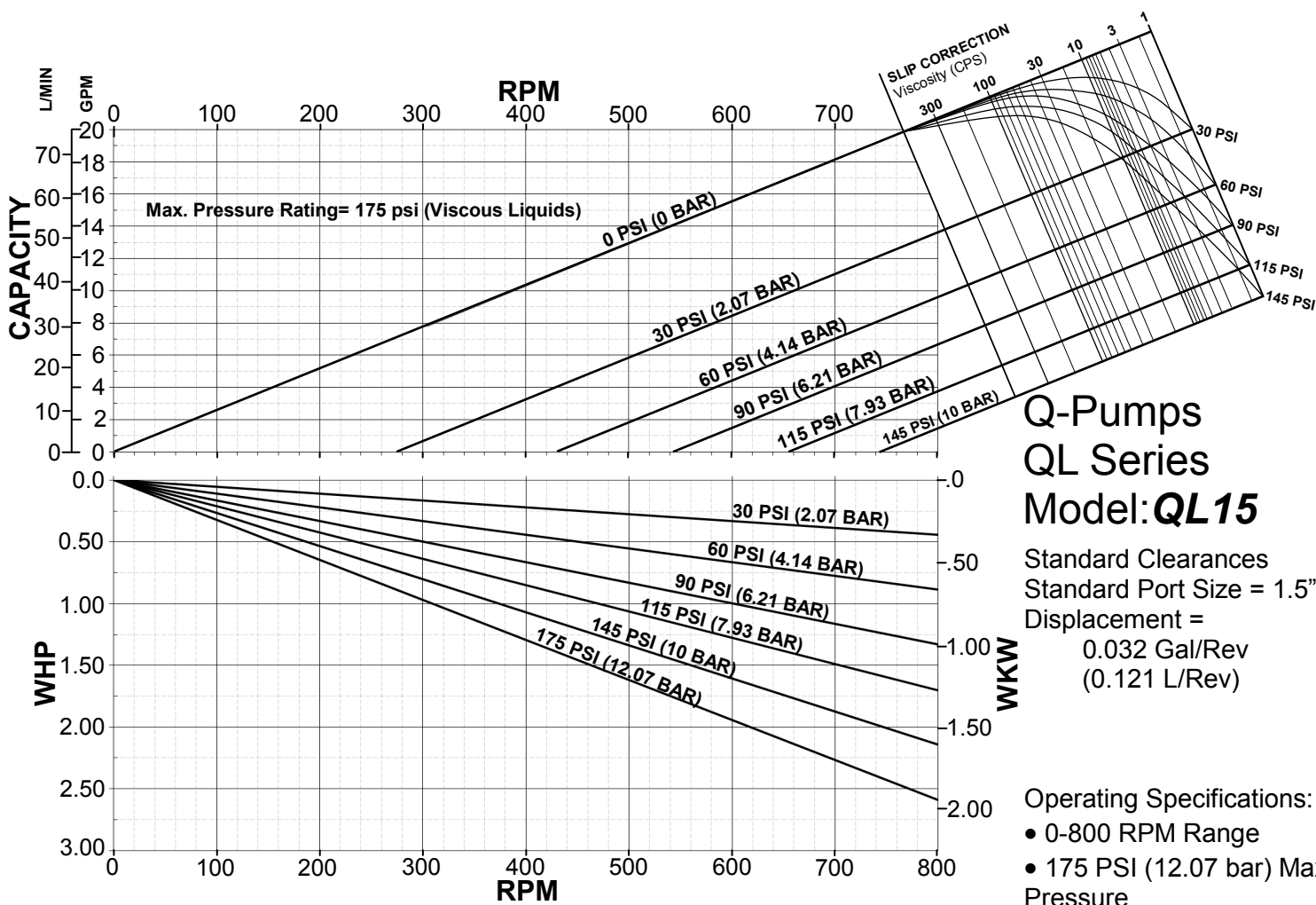
v = viscosity correction factor (from graph)

n = speed (RPM)

c = displacement (G/rev. or L/rev from table below)

QL Series Model	10
C (G/rev)	.013
C (L/rev)	.050

QL Series Positive Displacement Pumps



- Operating Specifications:
- 0-800 RPM Range
 - 175 PSI (12.07 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
250 °F (121°C)

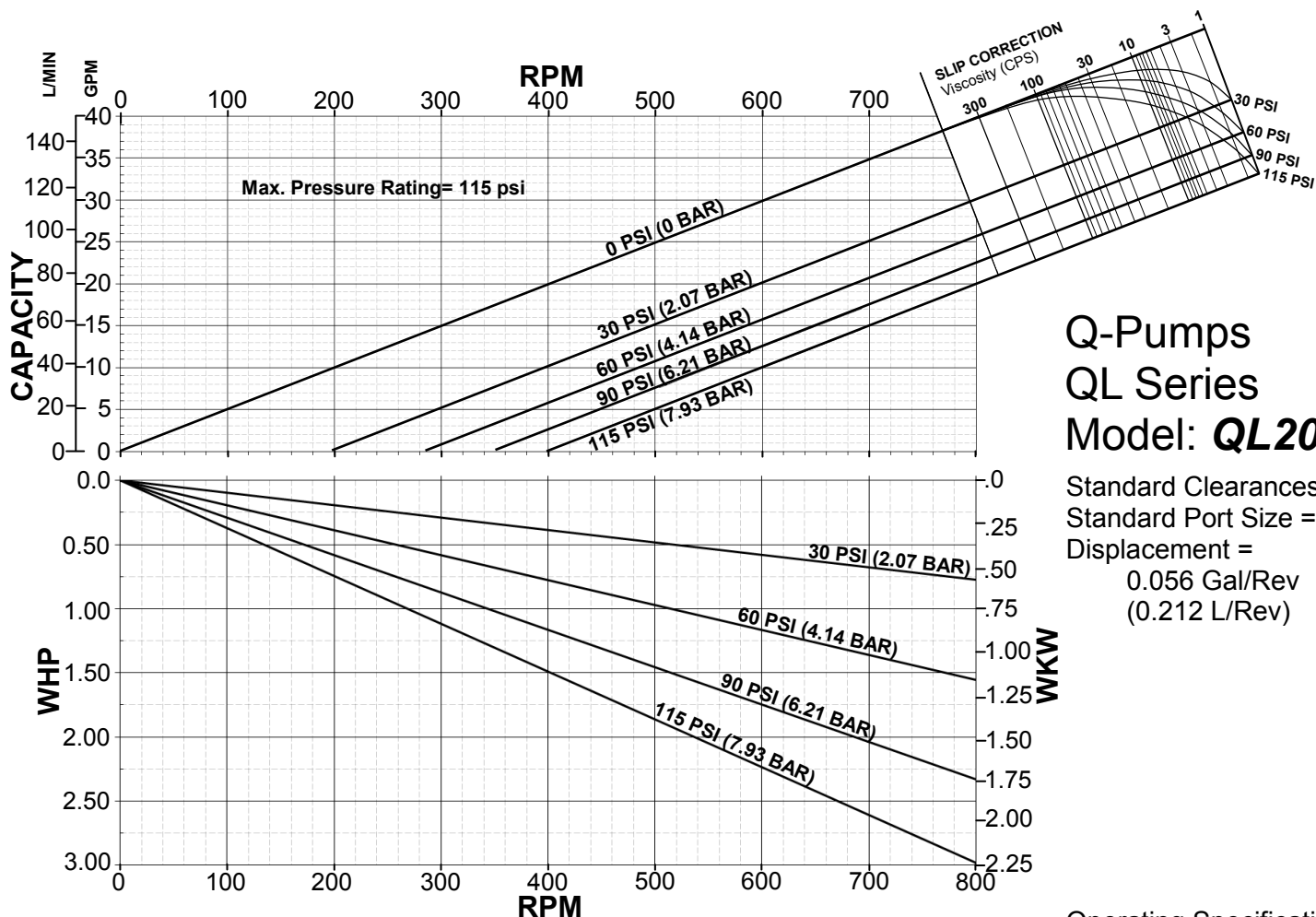
Subject to change without notice

Where: p = pressure (psi or bar)
v = viscosity correction factor (from graph)
n = speed (RPM)
c = displacement (G/rev. or L/rev from table below)

(English units) **Total Power (HP)** = $(.0007 \times p + .0051 \times v) \times n \times c$
(Metric units) **Total Power (Kw)** = $\frac{(2 \times p + v) \times n \times c}{1000}$

QL Series Model	15
C (G/rev)	.032
C (L/rev)	.121

QL Series Positive Displacement Pumps

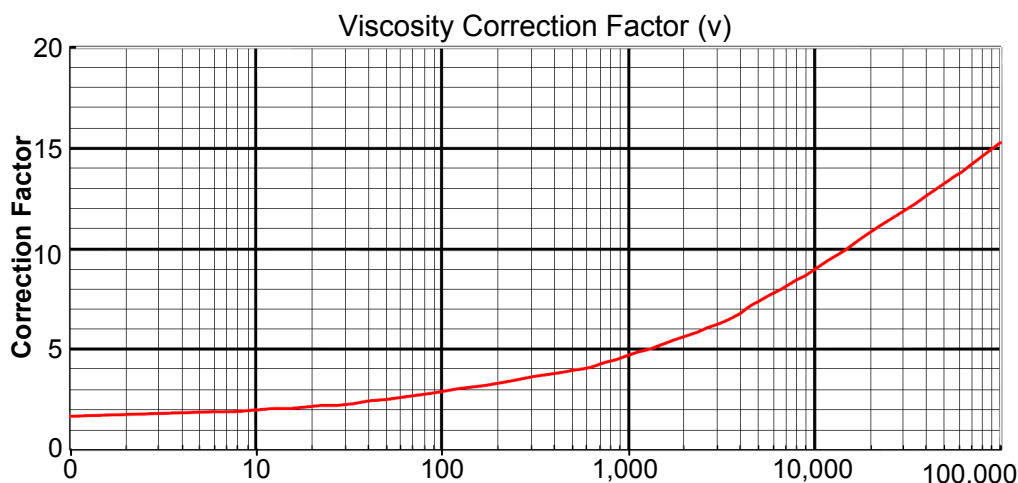


Q-Pumps QL Series Model: **QL20**

Standard Clearances
Standard Port Size = 2.0"
Displacement =
0.056 Gal/Rev
(0.212 L/Rev)

- Operating Specifications:
- 0-800 RPM Range
 - 115 PSI (7.93 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
250 °F (121°C)

Subject to change without notice



Viscosity (cP)

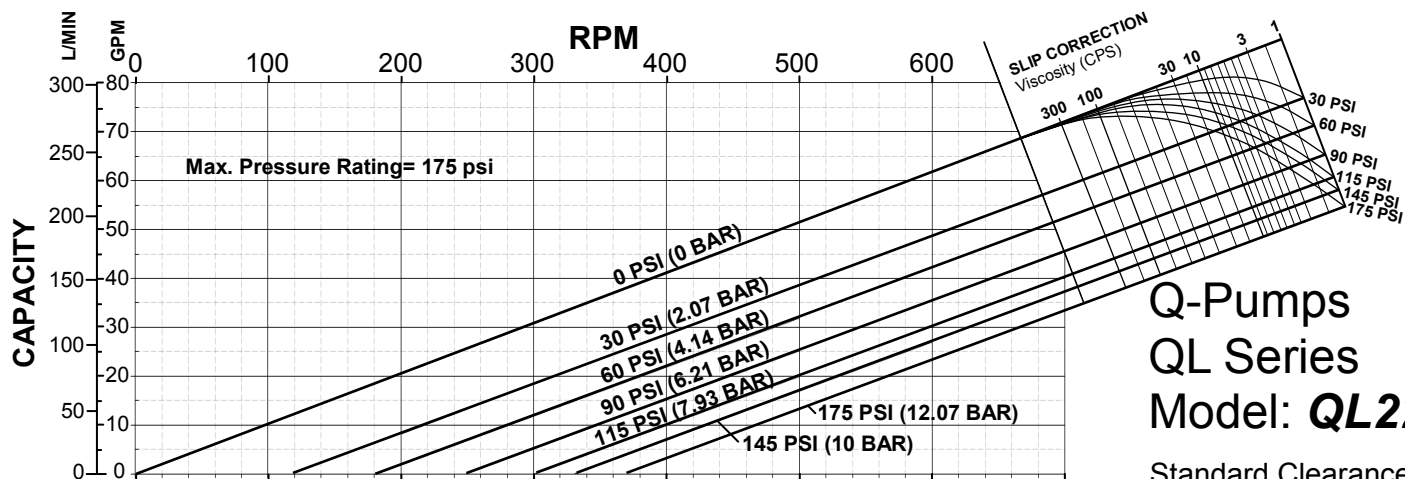
(English units) **Total Power (HP)** = $(.0007 \times p + .0051 \times v) \times n \times c$

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

Where: p = pressure (psi or bar)
v = viscosity correction factor (from graph)
n = speed (RPM)
c = displacement (G/rev. or L/rev from table below)

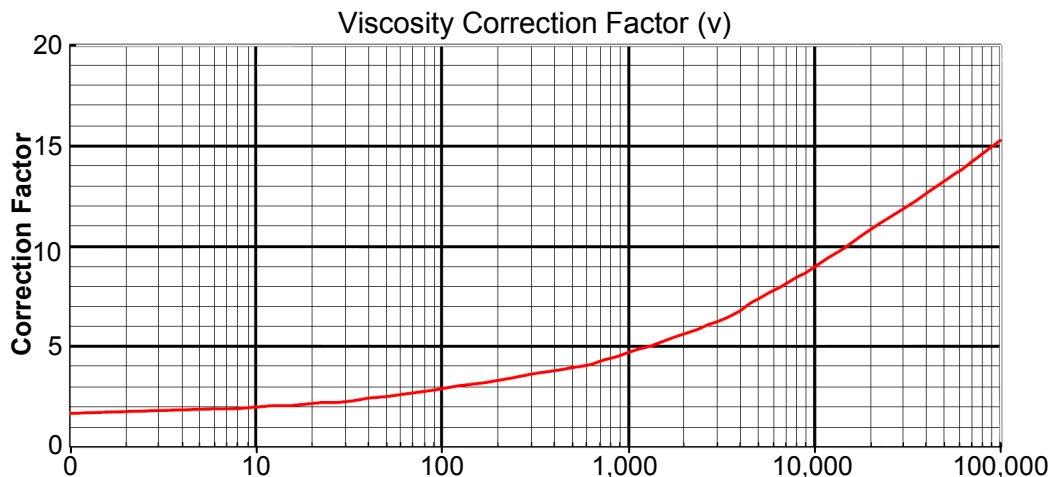
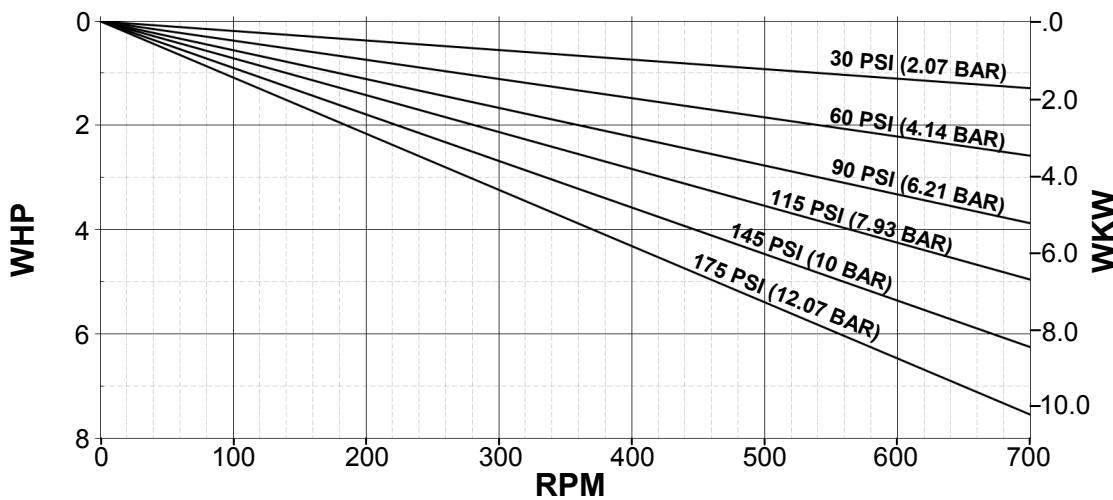
QL Series Model	20
C (G/rev)	.056
C (L/rev)	.212

QL Series Positive Displacement Pumps



Q-Pumps QL Series Model: **QL22**

Standard Clearances
Standard Port Size = 2.0"
Displacement =
0.106 Gal/Rev
(0.401 L/Rev)



- Operating Specifications:
- 0-700 RPM Range
 - 175 PSI (12.07 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
250 °F (121°C)

Subject to change without notice

Where: p = pressure (psi or bar)

v = viscosity correction factor (from graph)

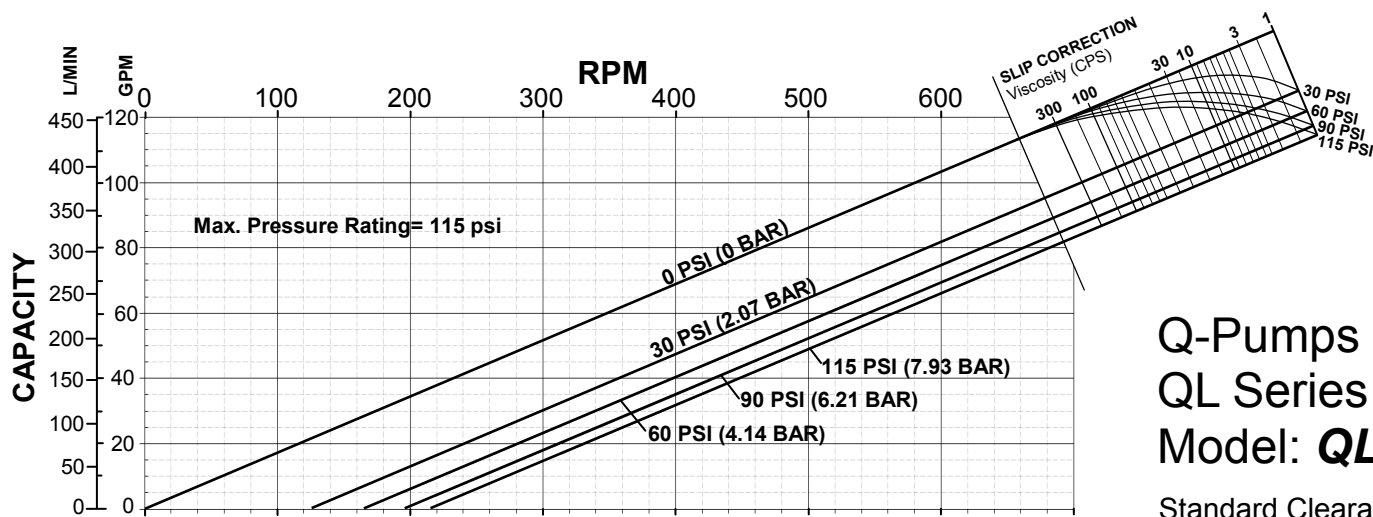
n = speed (RPM)

c = displacement (G/rev. or L/rev from table below)

(English units) **Total Power (HP)** = $(.0007 \times p + .0051 \times v) \times n \times c$
 (Metric units) **Total Power (Kw)** = $\frac{(2 \times p + v) \times n \times c}{1000}$

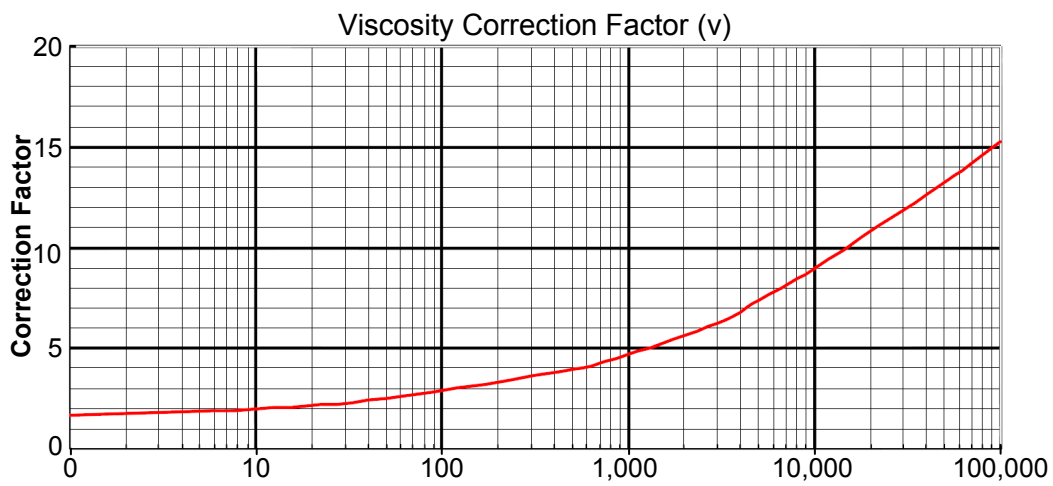
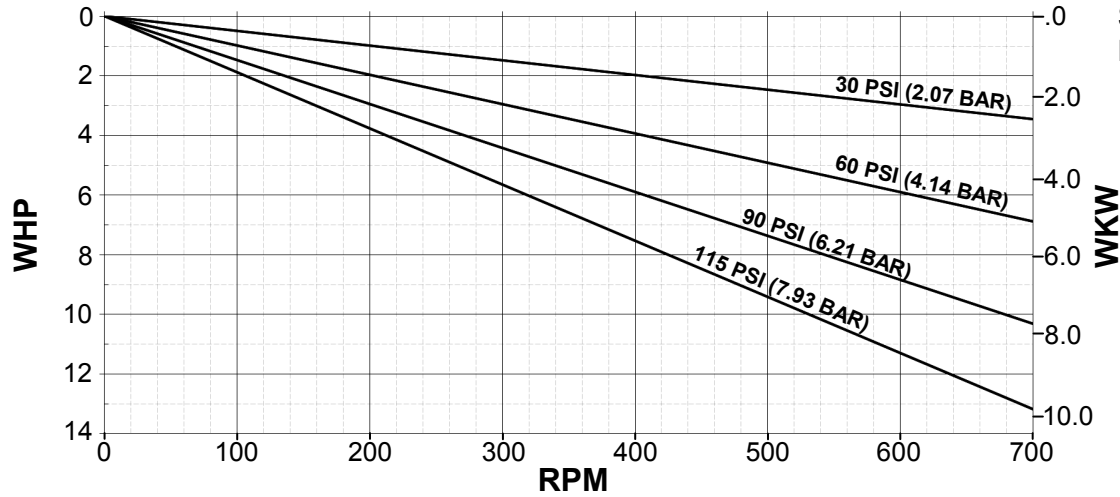
QL Series Model	22
C (G/rev)	.106
C (L/rev)	.401

QL Series Positive Displacement Pumps



Q-Pumps
QL Series
Model: QL25

Standard Clearances
Standard Port Size = 2.5"
Displacement =
0.164 Gal/Rev
(0.621 L/Rev)



- Operating Specifications:
- 0-700 RPM Range
 - 115 PSI (7.93 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
250 °F (121°C)

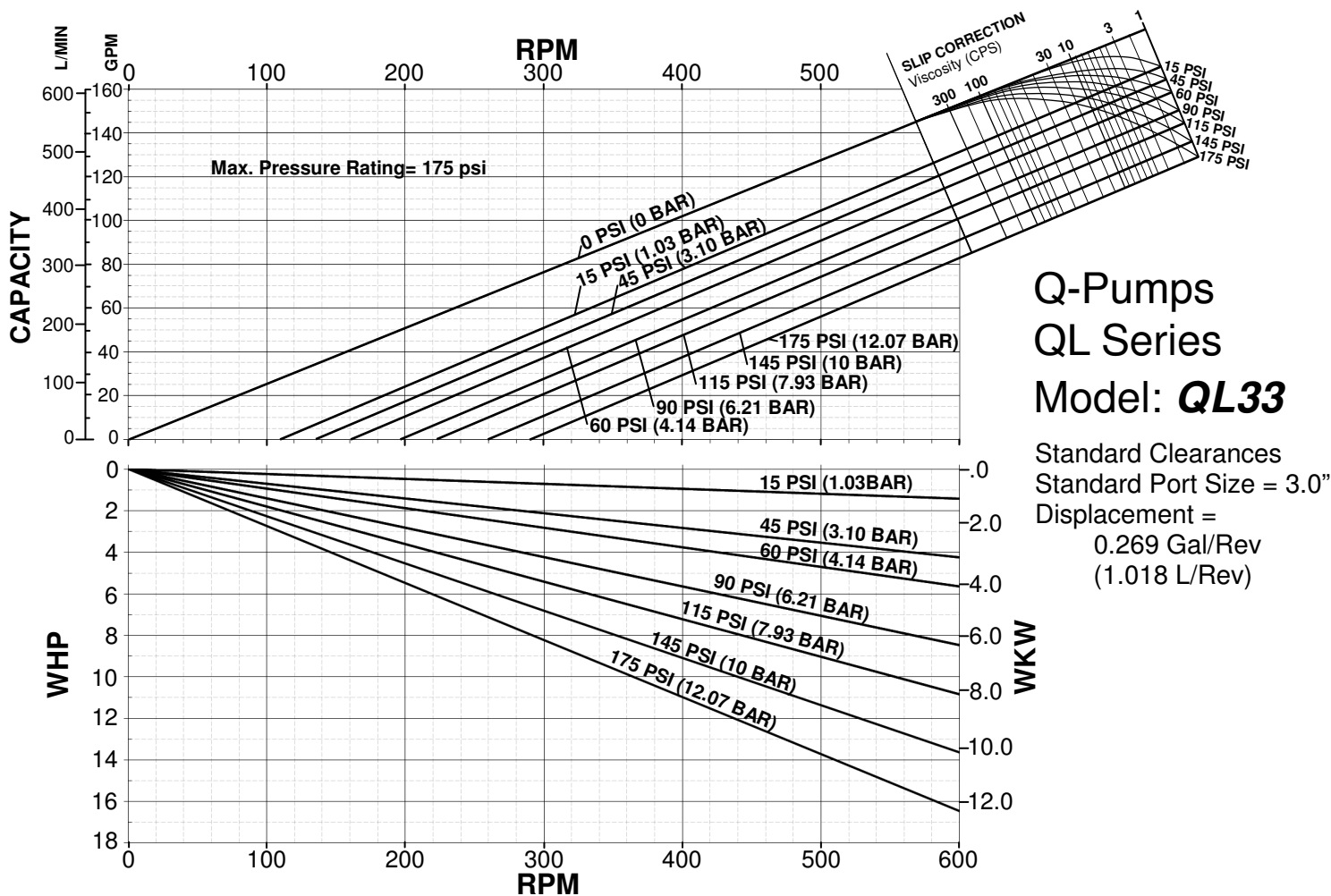
Subject to change without notice

Where: p = pressure (psi or bar)
v = viscosity correction factor (from graph)
n = speed (RPM)
c = displacement (G/rev. or L/rev from table below)

(English units) **Total Power (HP)** = $(.0007 \times p + .0051 \times v) \times n \times c$
(Metric units) **Total Power (Kw)** = $\frac{(2 \times p + v) \times n \times c}{1000}$

QL Series Model	25
C (G/rev)	.164
C (L/rev)	.621

QL Series Positive Displacement Pumps



Q-Pumps QL Series Model: **QL33**

Standard Clearances
Standard Port Size = 3.0"
Displacement =
0.269 Gal/Rev
(1.018 L/Rev)

- Operating Specifications:
- 0-600 RPM Range
 - 175 PSI (12.07 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
250 °F (121°C)

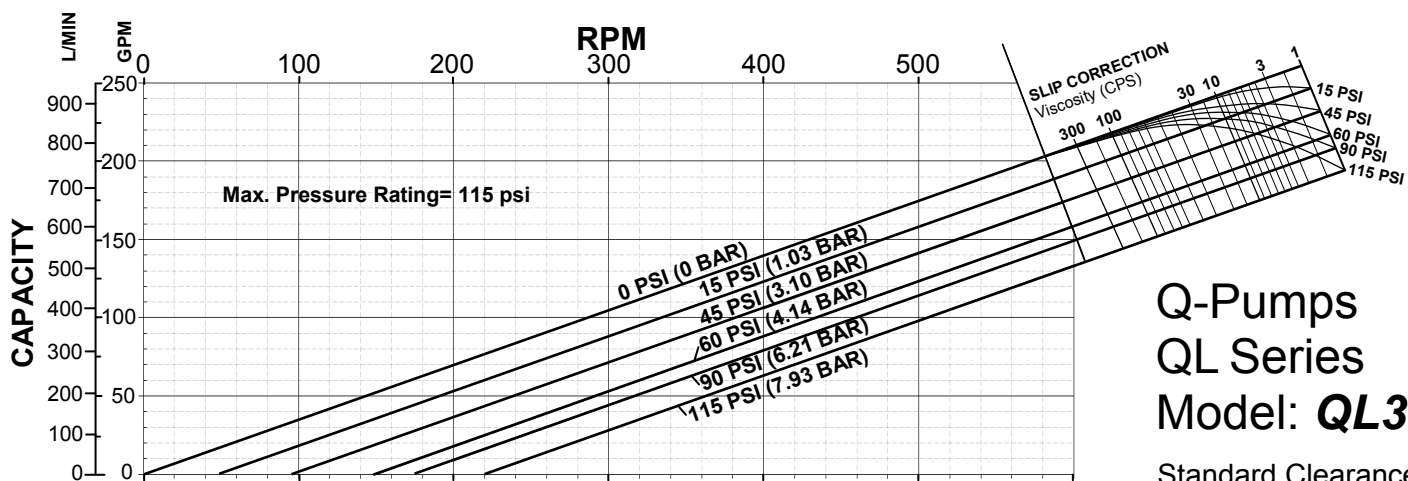
Subject to change without notice

Where: p = pressure (psi or bar)
v = viscosity correction factor (from graph)
n = speed (RPM)
c = displacement (G/rev. or L/rev from table below)

(English units) **Total Power (HP)** = $(.0007 \times p + .0051 \times v) \times n \times c$
(Metric units) **Total Power (Kw)** = $\frac{(2 \times p + v) \times n \times c}{1000}$

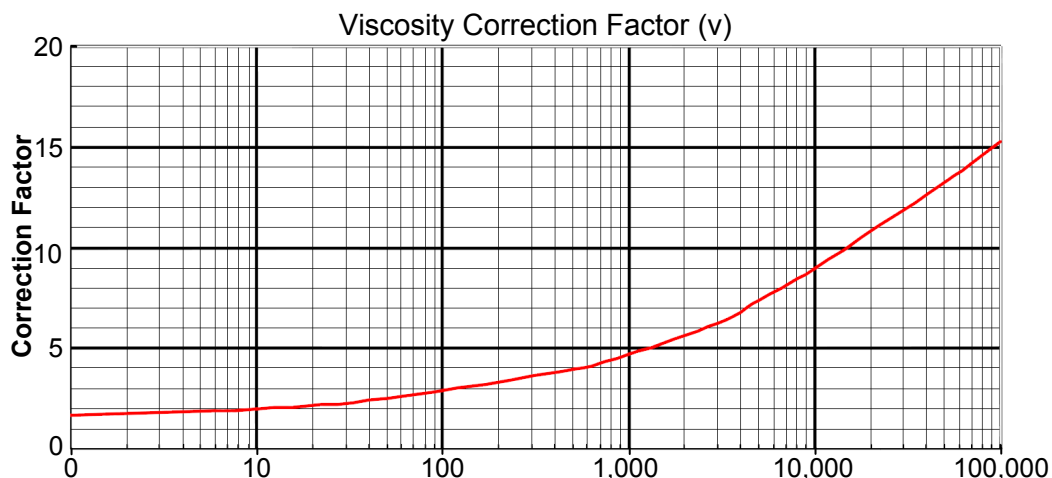
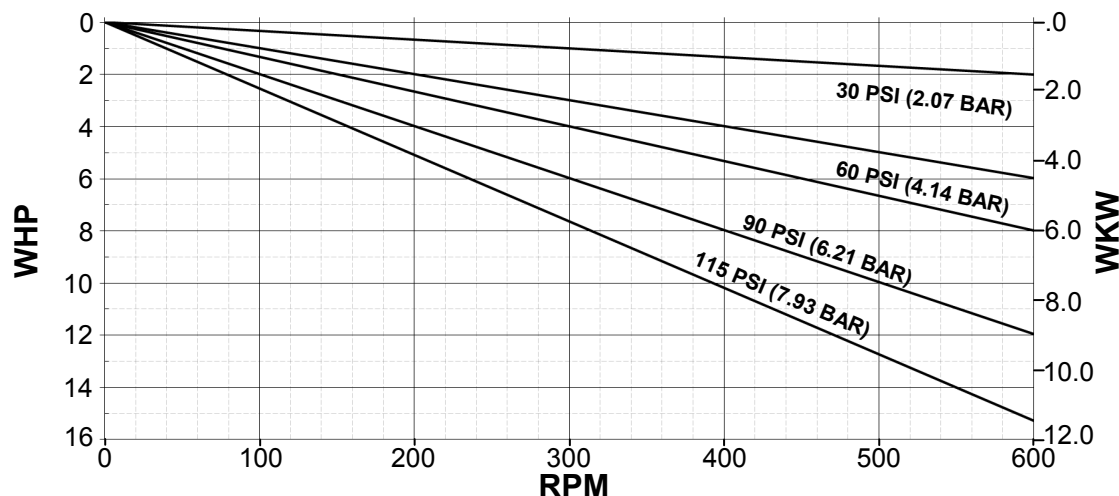
QL Series Model	33
C (G/rev)	.269
C (L/rev)	1.018

QL Series Positive Displacement Pumps



Q-Pumps QL Series Model: **QL34**

Standard Clearances
Standard Port Size = 4.0"
Displacement =
0.380 Gal/Rev
(1.438 L/Rev)



- Operating Specifications:
- 0-600 RPM Range
 - 115 PSI (7.93 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
250 °F (121°C)

Subject to change without notice

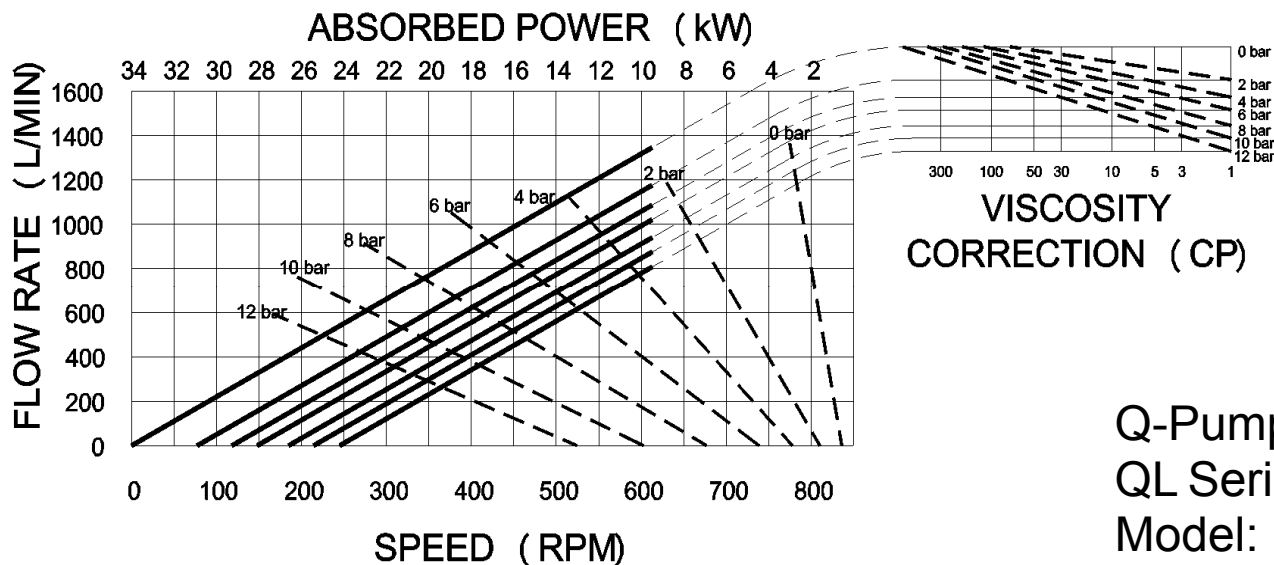
Where: p = pressure (psi or bar)
v = viscosity correction factor (from graph)
n = speed (RPM)
c = displacement (G/rev. or L/rev from table below)

(English units) **Total Power (HP)** = $(.0007 \times p + .0051 \times v) \times n \times c$
(Metric units) **Total Power (Kw)** = $\frac{(2 \times p + v) \times n \times c}{1000}$

QL Series Model	34
C (G/rev)	.380
C (L/rev)	1.438

QL Series Positive Displacement Pumps

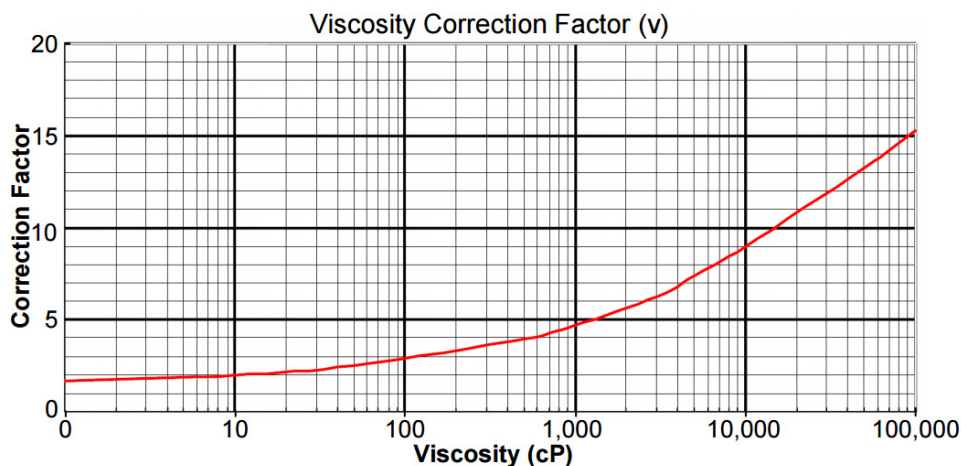
WATER CAPACITY AND ABSORBED POWER GRAPH



ABSORBED KW FIGURES ARE FOR 1 CP VISCOSITY

Q-Pumps
QL Series
Model: **QL44**

Standard Clearances
Standard Port Size = 4.0"
Displacement =
.60 Gal/Rev
2.27 L/Rev



Operating Specifications

- 0-500 RPM range
- 175 PSI (12.00 Bar) Max. Pressure
- Temperature range -40°F (-40°C) to 250°F (121°C)

(English units) **Total Power (HP)** = $(.0007 \times p + .0051 \times v) \times n \times c$

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

Where: p = pressure (psi or bar)
v = viscosity correction factor (from graph)
n = speed (RPM)
c = displacement (G/rev. or L/rev from table below)

Subject to change without notice

QL Series Model	44
C (G/rev)	.60
C (L/rev)	2.27

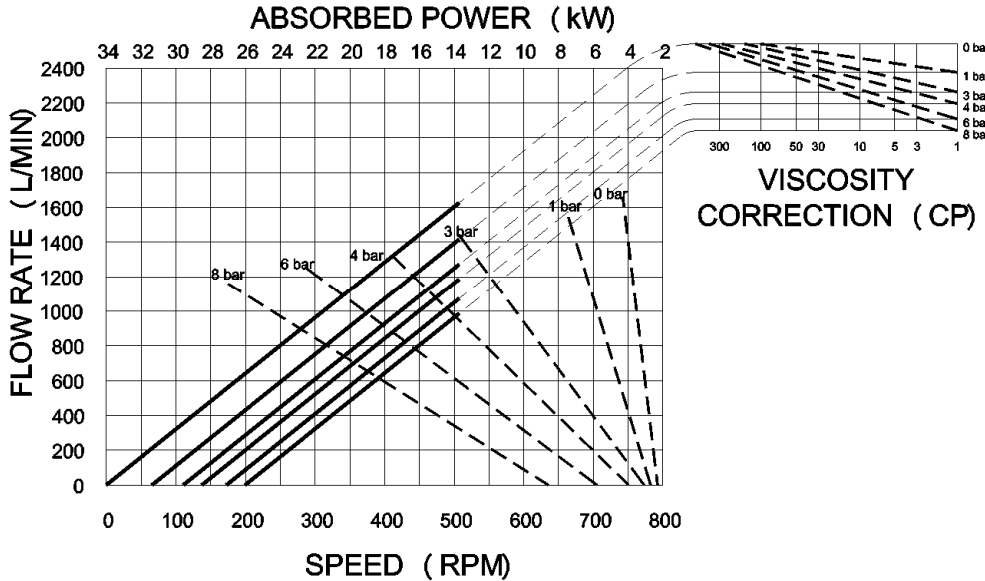
QL Series Positive Displacement Pumps



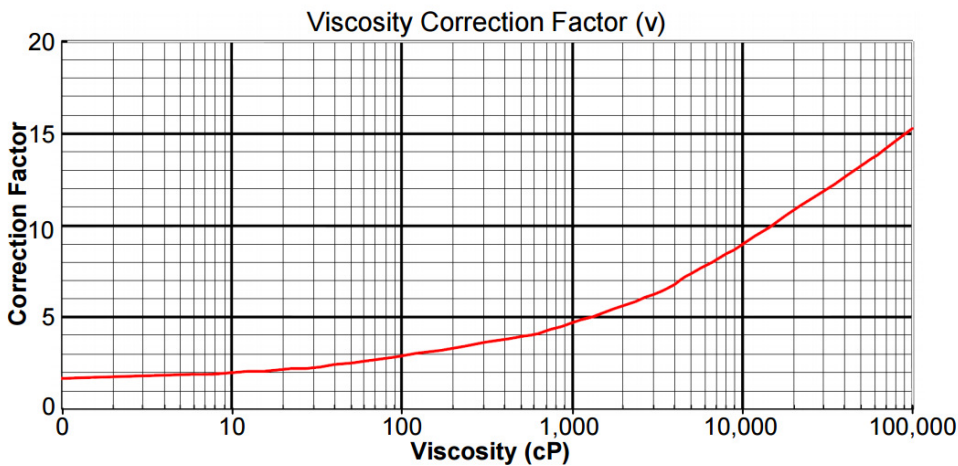
Q-Pumps QL Series Model: **QL46**

Standard Clearances
Standard Port Size = 6.0"
Displacement =
0.88 Gal/Rev
3.34 L/Rev

WATER CAPACITY AND ABSORBED POWER GRAPH



ABSORBED kW FIGURES ARE FOR 1 CP VISCOSITY



(English units) **Total Power (HP)** = $(.0007 \times p + .0051 \times v) \times n \times c$

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

Where: p = pressure (psi or bar)
v = viscosity correction factor (from graph)
n = speed (RPM)
c = displacement (G/rev. or L/rev from table below)

Operating Specifications

- 0-500 RPM range
- 116 PSI (8.00 Bar) Max. Pressure
- Temperature range
-40°F (-40°C) to
250°F (121°C)

Subject to change without notice

QL Series Model	46
C (G/rev)	.88
C (L/rev)	3.34