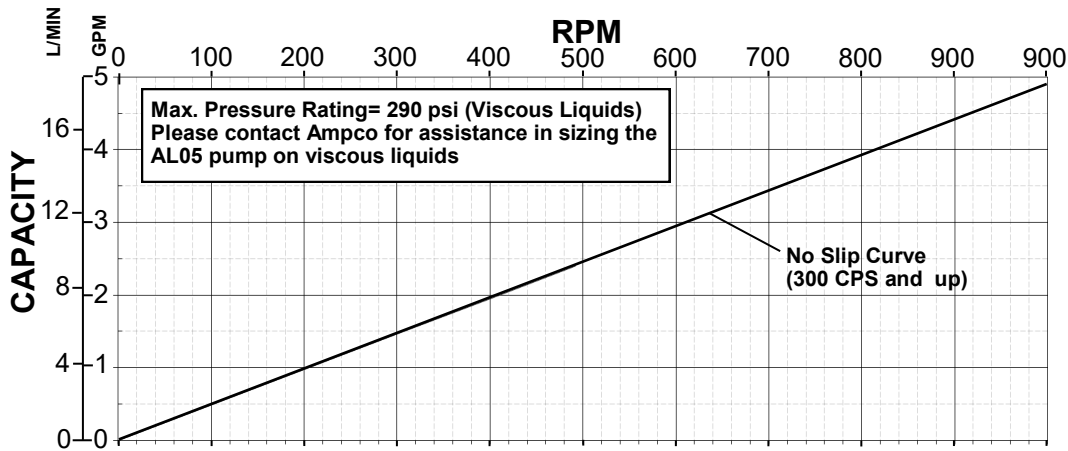


## AL Series Positive Displacement Pumps



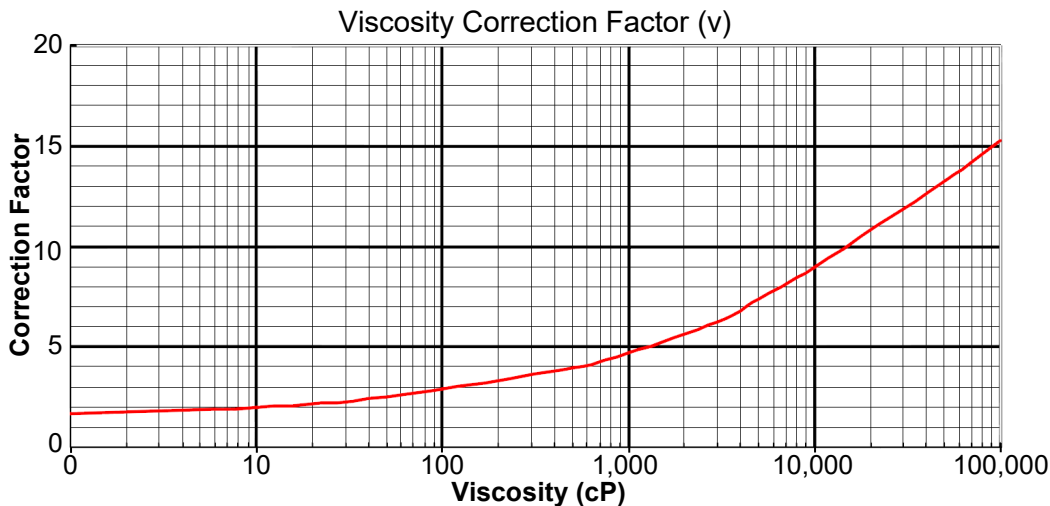
### Ampco AL Series Model: **AL05**

Standard Clearances  
Standard Port Size = 1.0"  
Displacement =  
0.005 Gal/Rev  
(0.019 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)

| AL Series Model | 05   |
|-----------------|------|
| C (G/rev)       | .005 |
| C (L/rev)       | .020 |

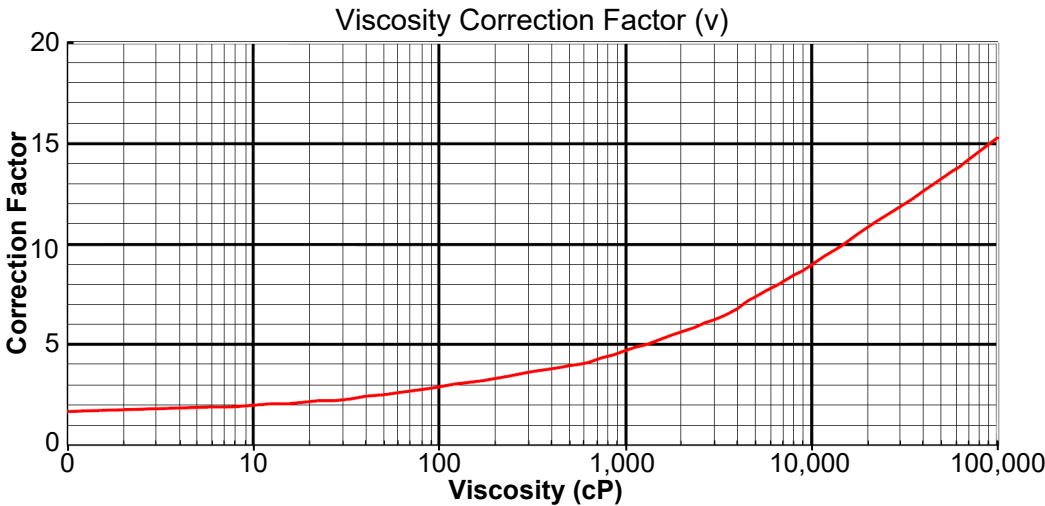
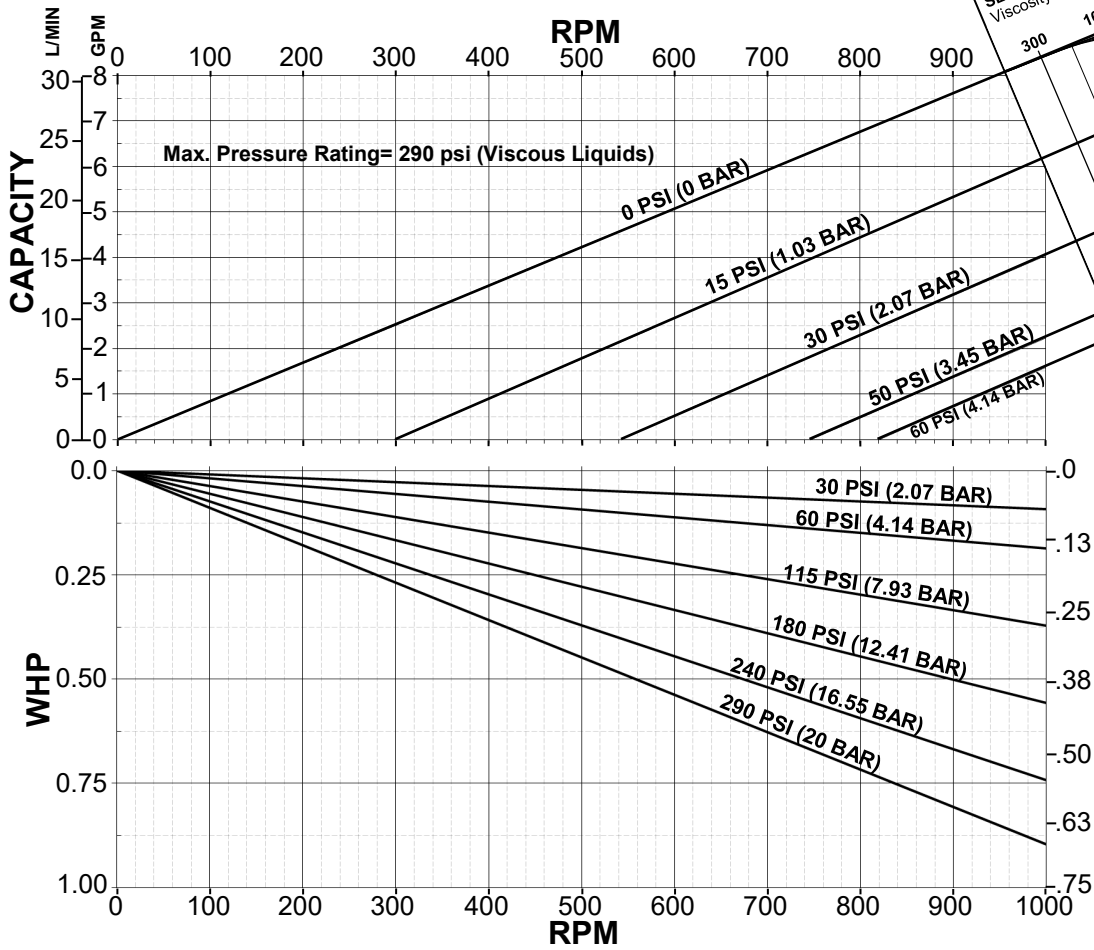
*Performance ratings are based on standard clearance rotors and single mechanical seals. Contact manufacturer for ratings of other seal and rotor configurations*

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# AL Series Positive Displacement Pumps



(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)

| AL Series Model | 10    |
|-----------------|-------|
| C (G/rev)       | .0085 |
| C (L/rev)       | .033  |

## Ampco AL Series Model: AL10

Standard Clearances  
 Standard Port Size = 1.0"  
 Displacement =  
 0.0085 Gal/Rev  
 (0.033 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

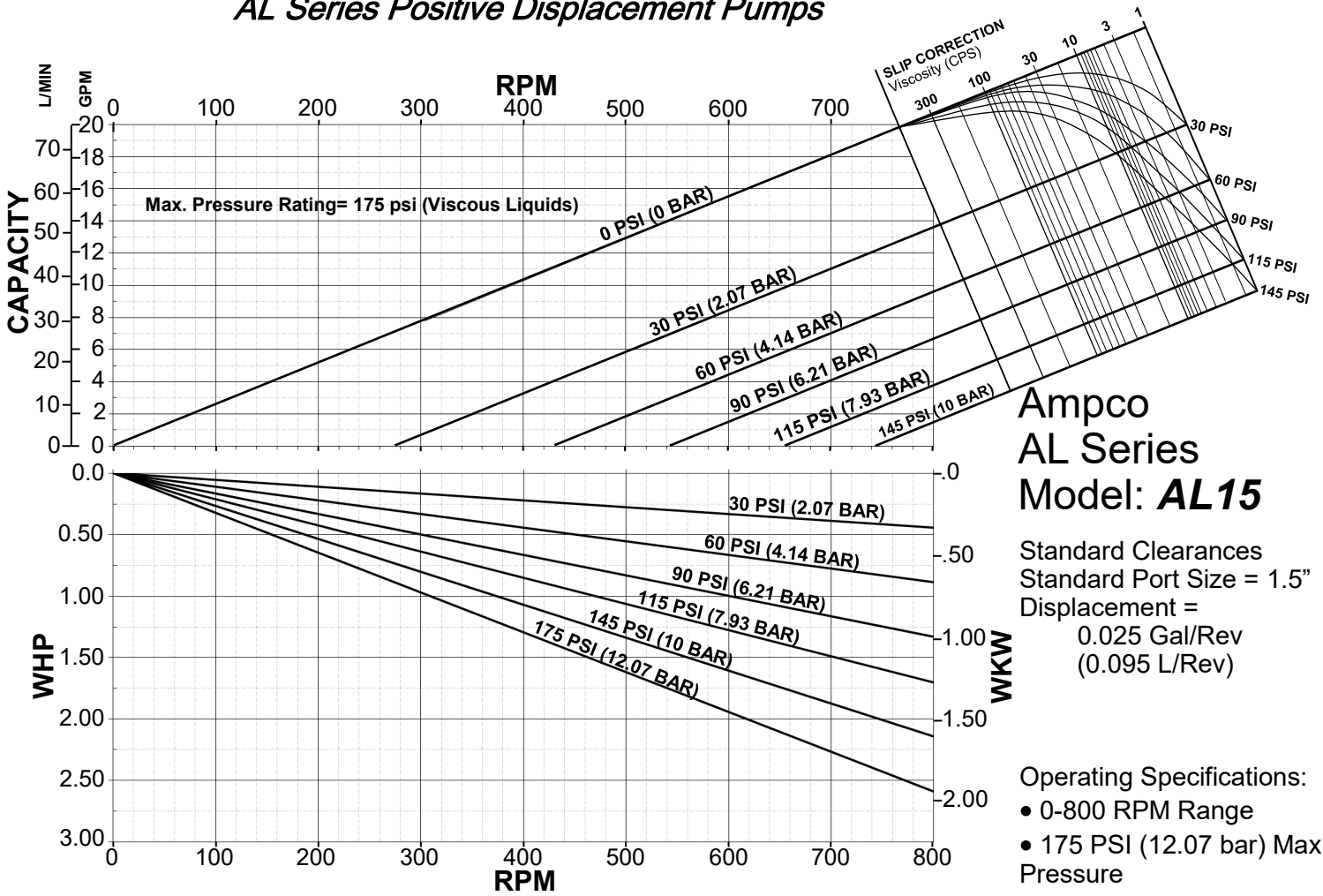
*Performance ratings are based on standard clearance rotors and single mechanical seals. Contact manufacturer for ratings of other seal and rotor configurations*

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# AL Series Positive Displacement Pumps



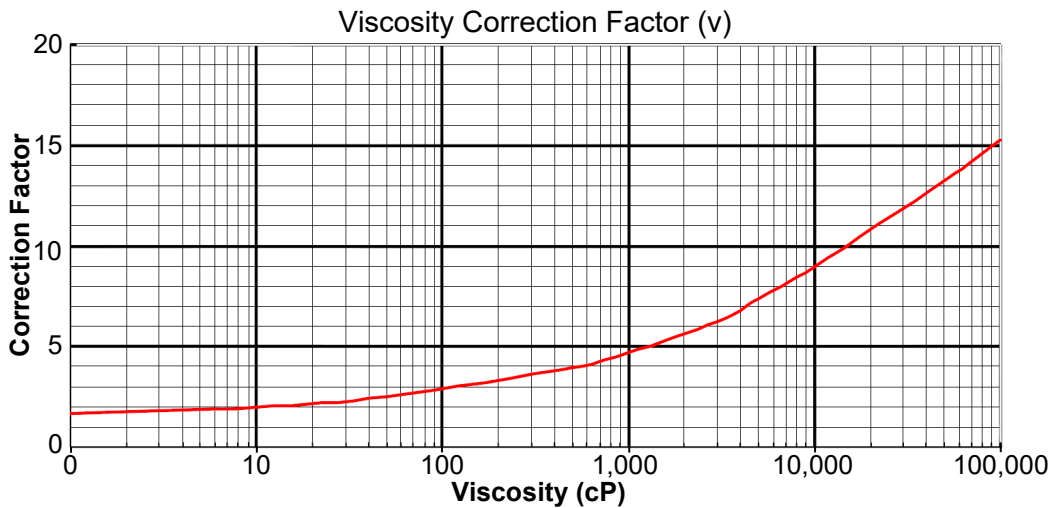
## Ampco AL Series Model: **AL15**

Standard Clearances  
Standard Port Size = 1.5"  
Displacement =  
0.025 Gal/Rev  
(0.095 L/Rev)

- 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

*Performance ratings are based on standard clearance rotors and single mechanical seals. Contact manufacturer for ratings of other seal and rotor configurations*



(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)

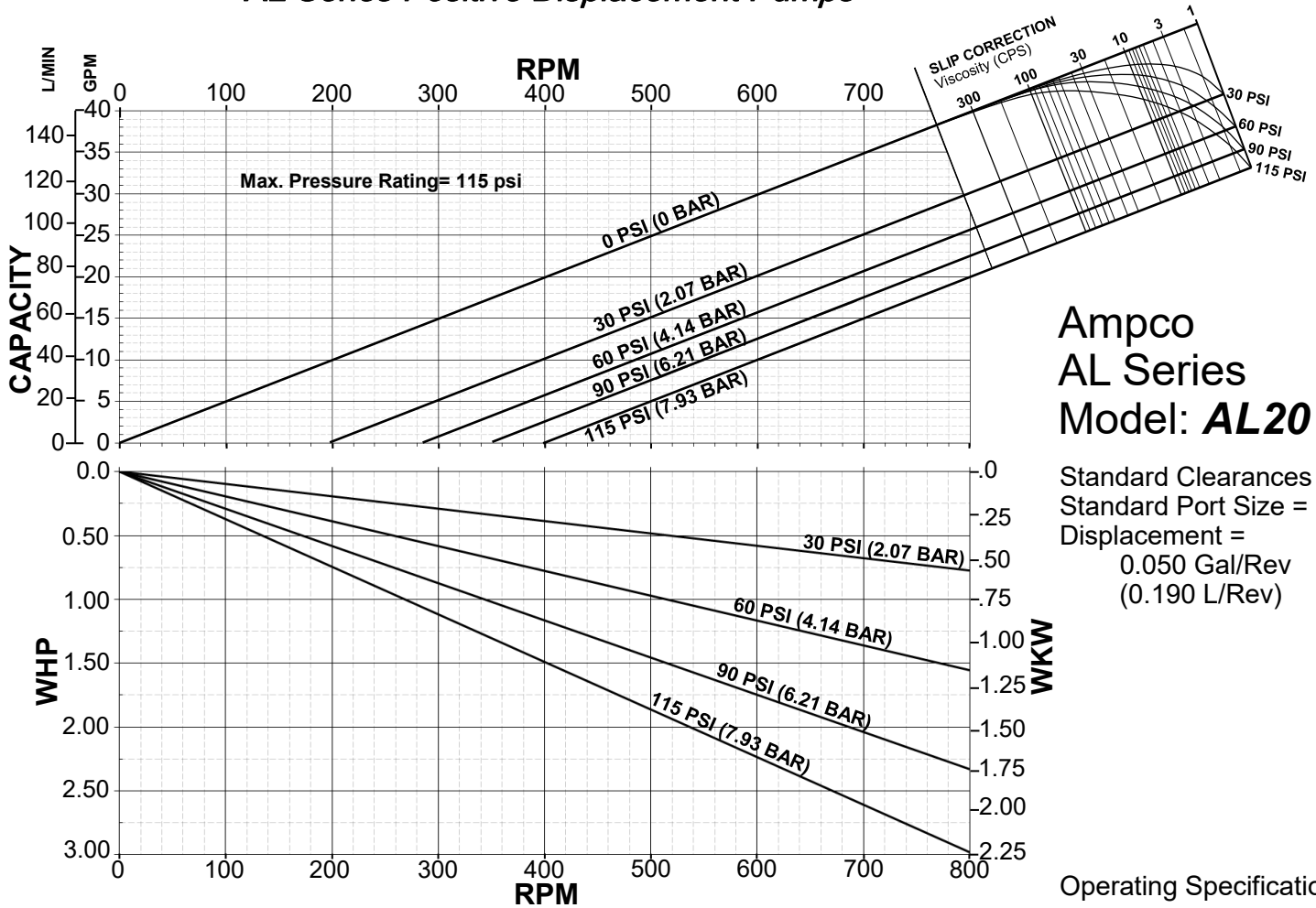
| AL Series Model | 15   |
|-----------------|------|
| C (G/rev)       | .025 |
| C (L/rev)       | .095 |

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# AL Series Positive Displacement Pumps



## Ampco AL Series Model: **AL20**

Standard Clearances  
Standard Port Size = 2.0"  
Displacement =  
0.050 Gal/Rev  
(0.190 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)

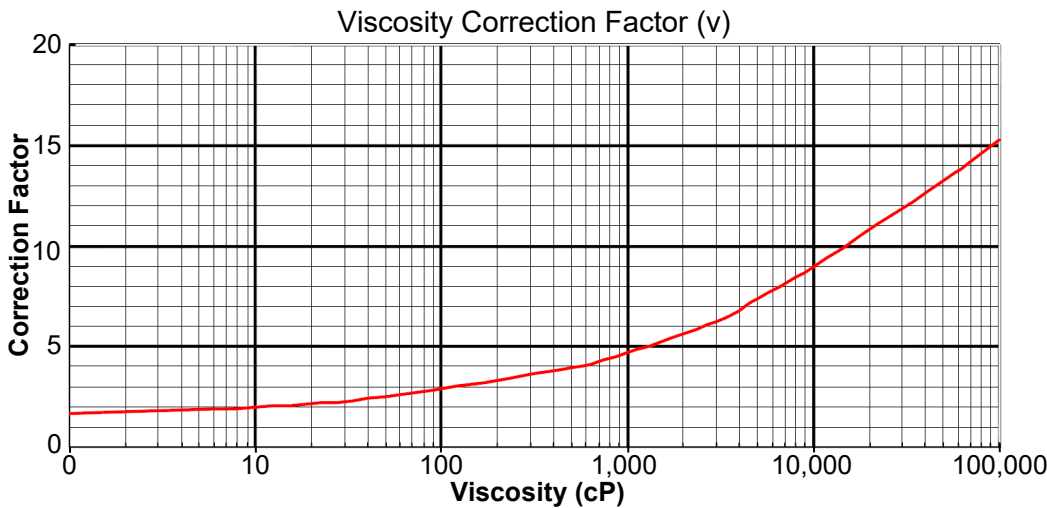
Subject to change without notice

*Performance ratings are based on standard clearance rotors and single mechanical seals. Contact manufacturer for ratings of other seal and rotor configurations*

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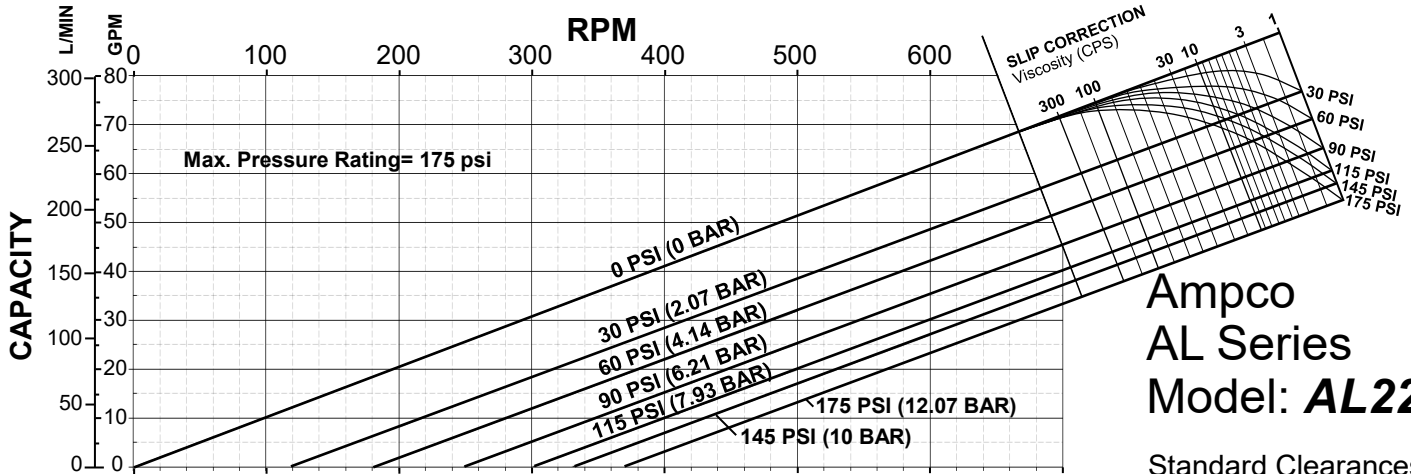
(English units) **Total Power (HP)** =  $(.0007 \times p + .0051 \times v) \times n \times c$

(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)

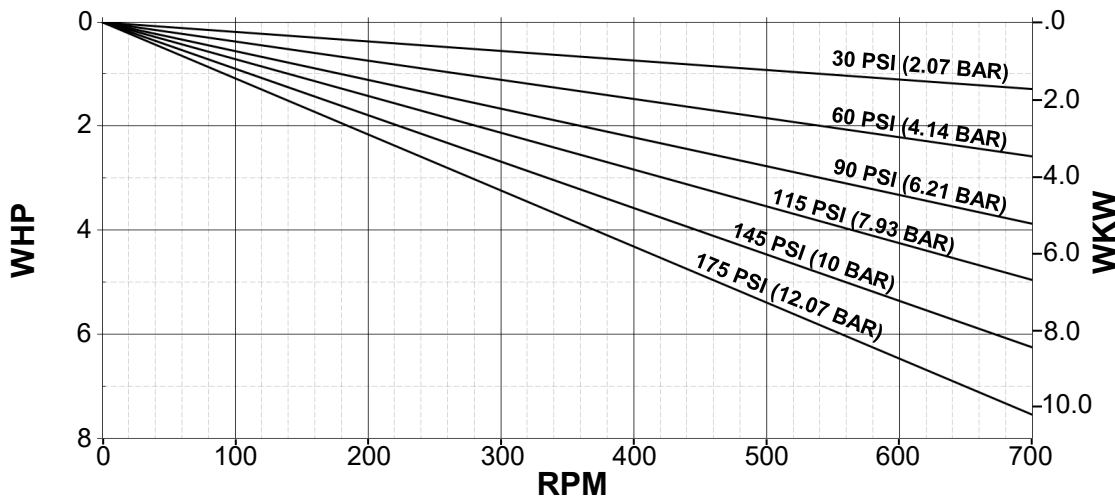
| AL Series Model | 20   |
|-----------------|------|
| C (G/rev)       | .050 |
| C (L/rev)       | .190 |

# AL Series Positive Displacement Pumps



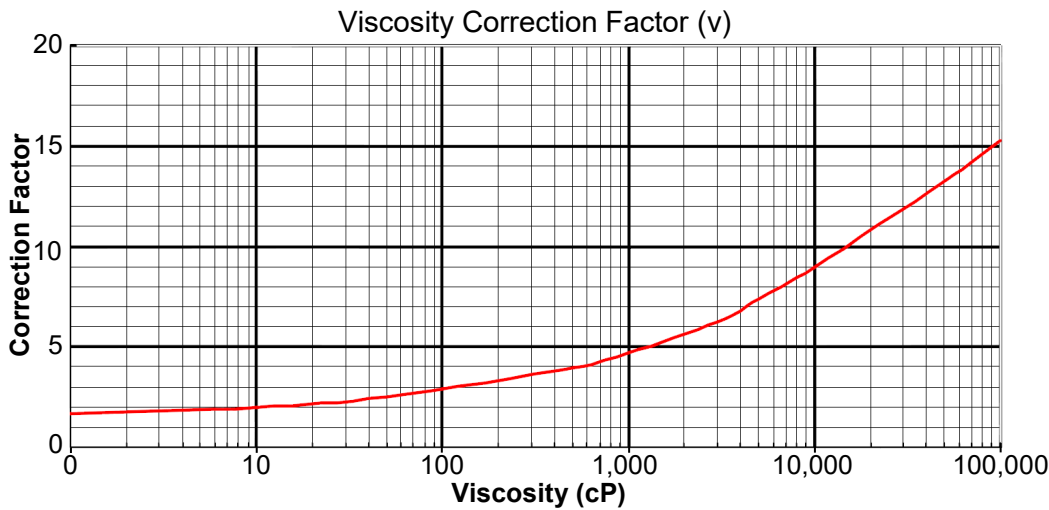
## Ampco AL Series Model: **AL22**

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



(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)

| AL Series Model | 22   |
|-----------------|------|
| C (G/rev)       | .106 |
| C (L/rev)       | .401 |

*Performance ratings are based on standard clearance rotors and single mechanical seals. Contact manufacturer for ratings of other seal and rotor configurations*

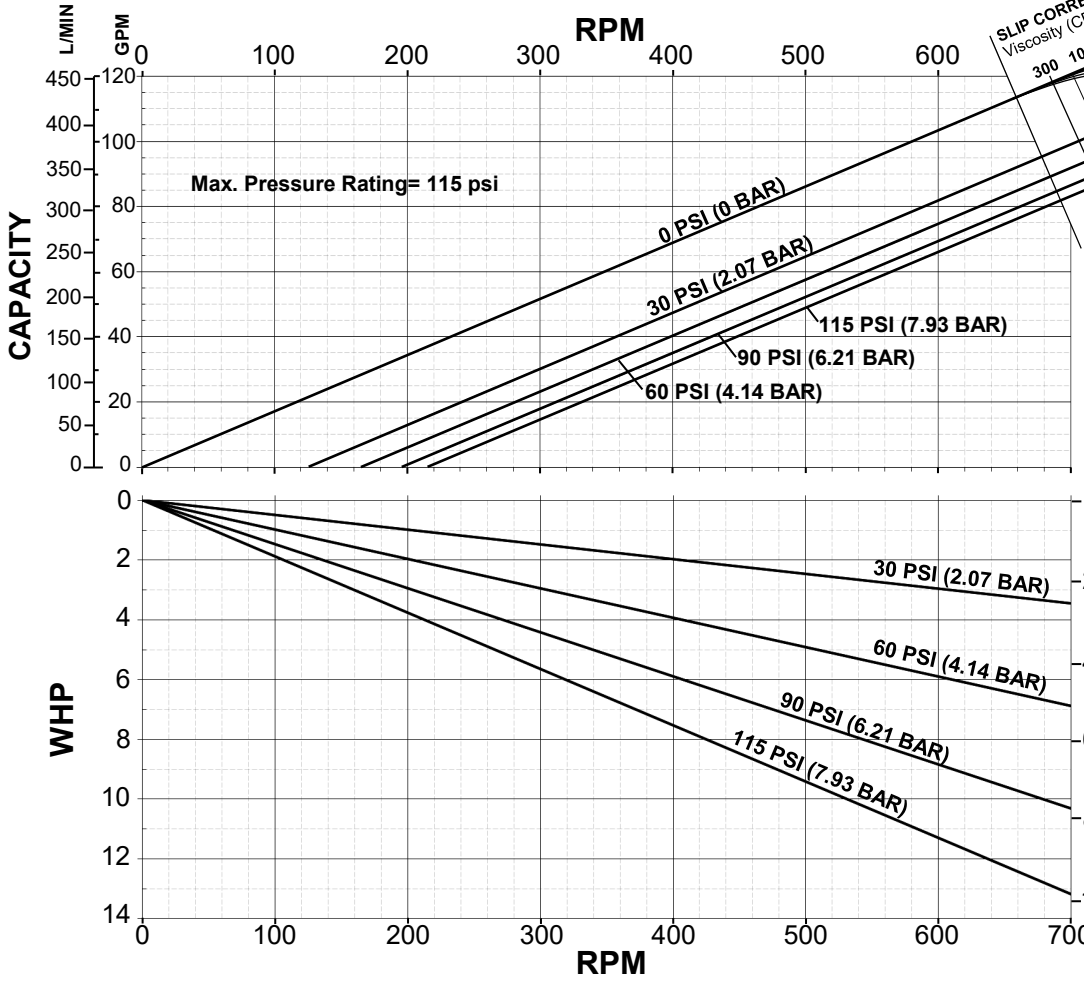
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# AL Series Positive Displacement Pumps



## Ampco AL Series Model: **AL25**

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)

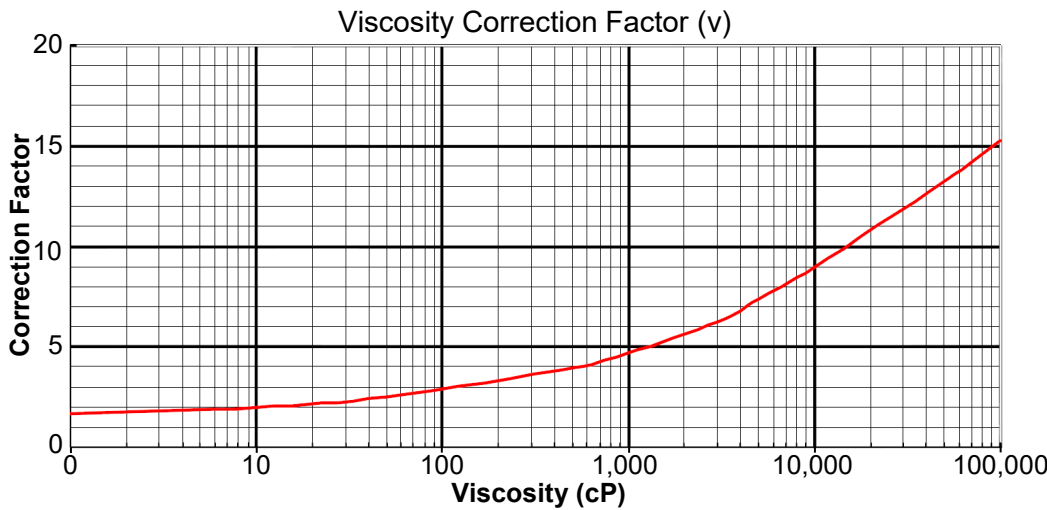
Subject to change without notice

*Performance ratings are based on standard clearance rotors and single mechanical seals. Contact manufacturer for ratings of other seal and rotor configurations*

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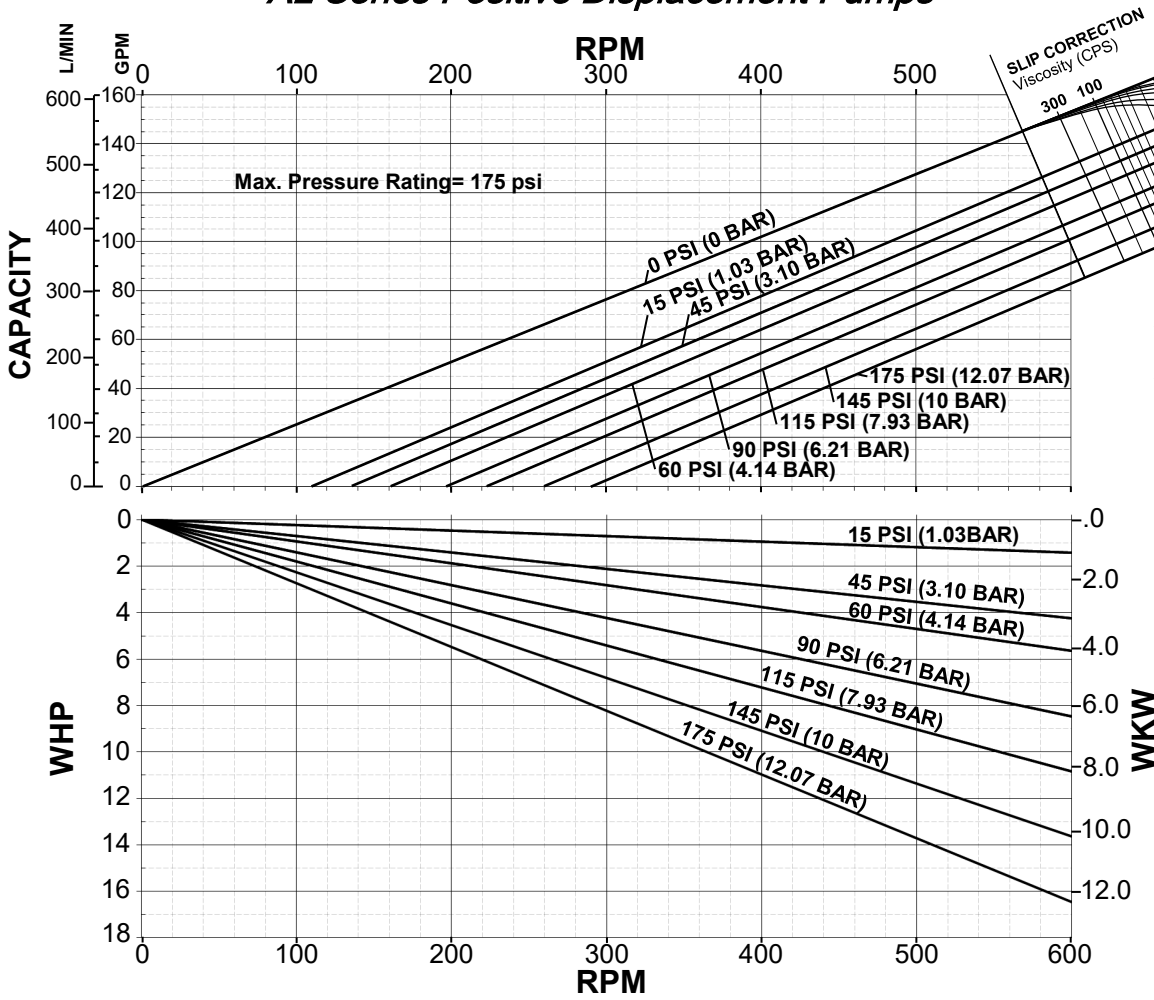
(English units) **Total Power (HP)** =  $(.0007 \times p + .0051 \times v) \times n \times c$

(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)

| AL Series Model | 25   |
|-----------------|------|
| C (G/rev)       | .164 |
| C (L/rev)       | .621 |

# AL Series Positive Displacement Pumps



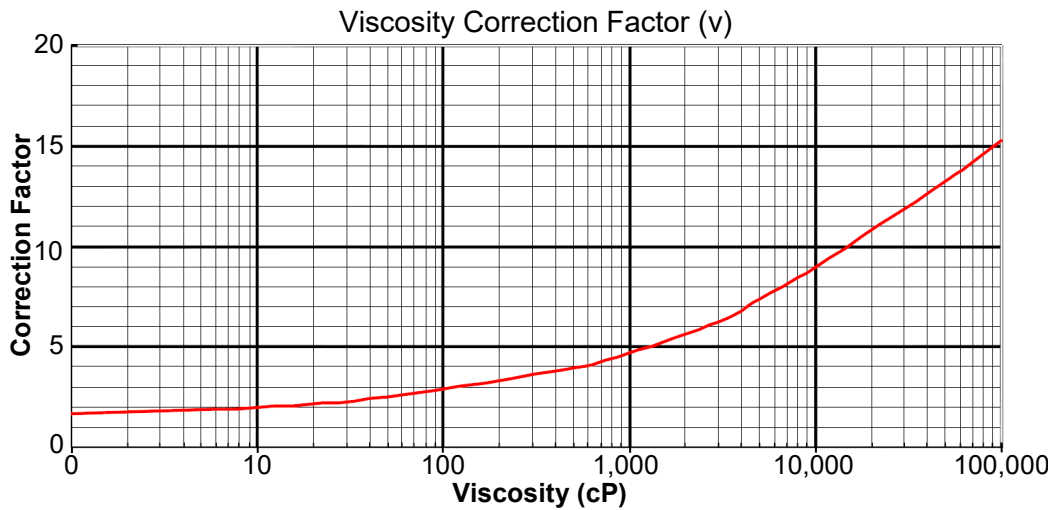
## Ampco AL Series Model: **AL33**

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

*Performance ratings are based on standard clearance rotors and single mechanical seals. Contact manufacturer for ratings of other seal and rotor configurations*



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

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

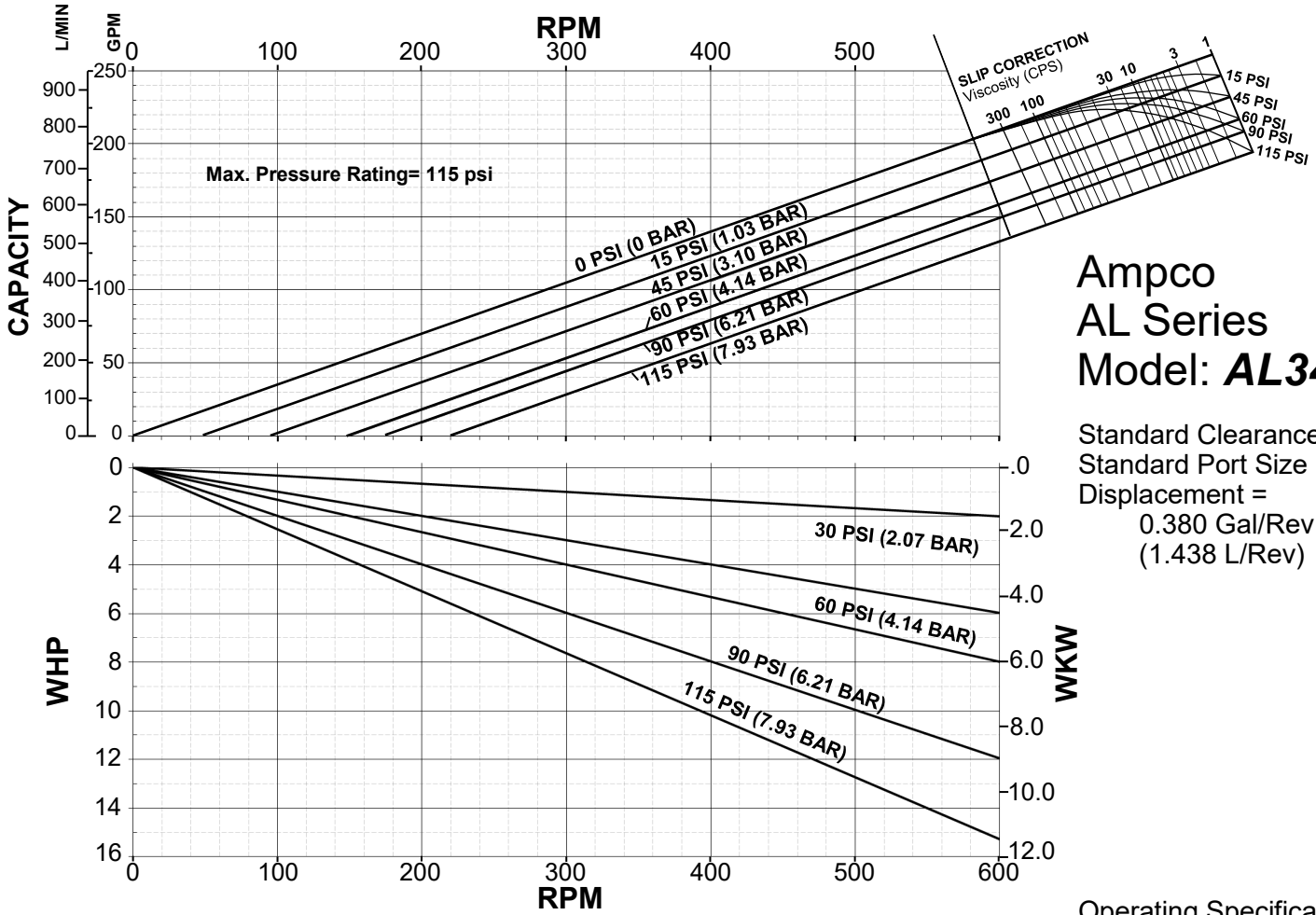
Where: p = pressure (psi or bar)  
v = viscosity correction factor (from graph)  
n = speed (RPM)  
c = displacement (G/rev. or L/rev from table below)

| AL Series Model | 33    |
|-----------------|-------|
| C (G/rev)       | .269  |
| C (L/rev)       | 1.018 |

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# AL Series Positive Displacement Pumps

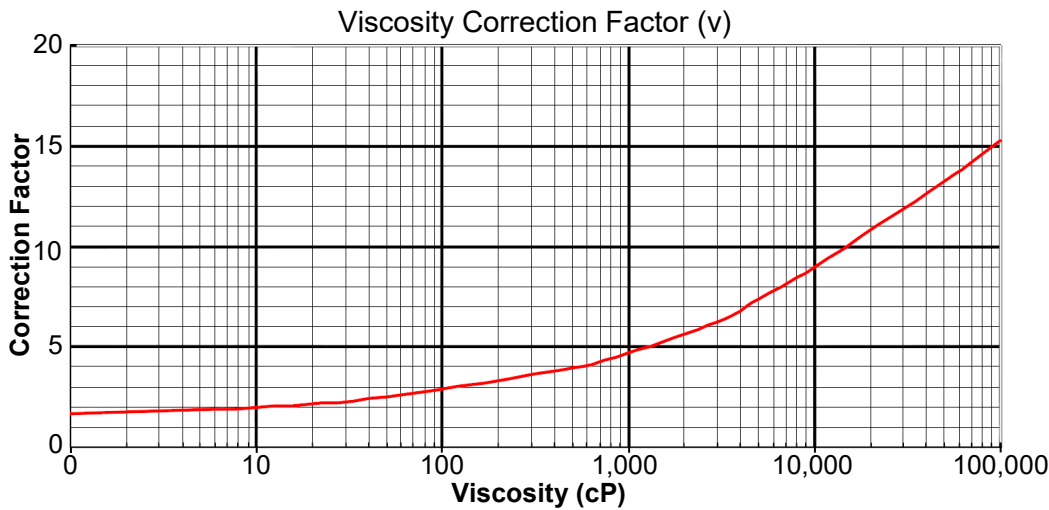


## Ampco AL Series Model: **AL34**

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



(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)

| AL Series Model | 34    |
|-----------------|-------|
| C (G/rev)       | .380  |
| C (L/rev)       | 1.438 |

*Performance ratings are based on standard clearance rotors and single mechanical seals. Contact manufacturer for ratings of other seal and rotor configurations*

### Ampco Pumps Company

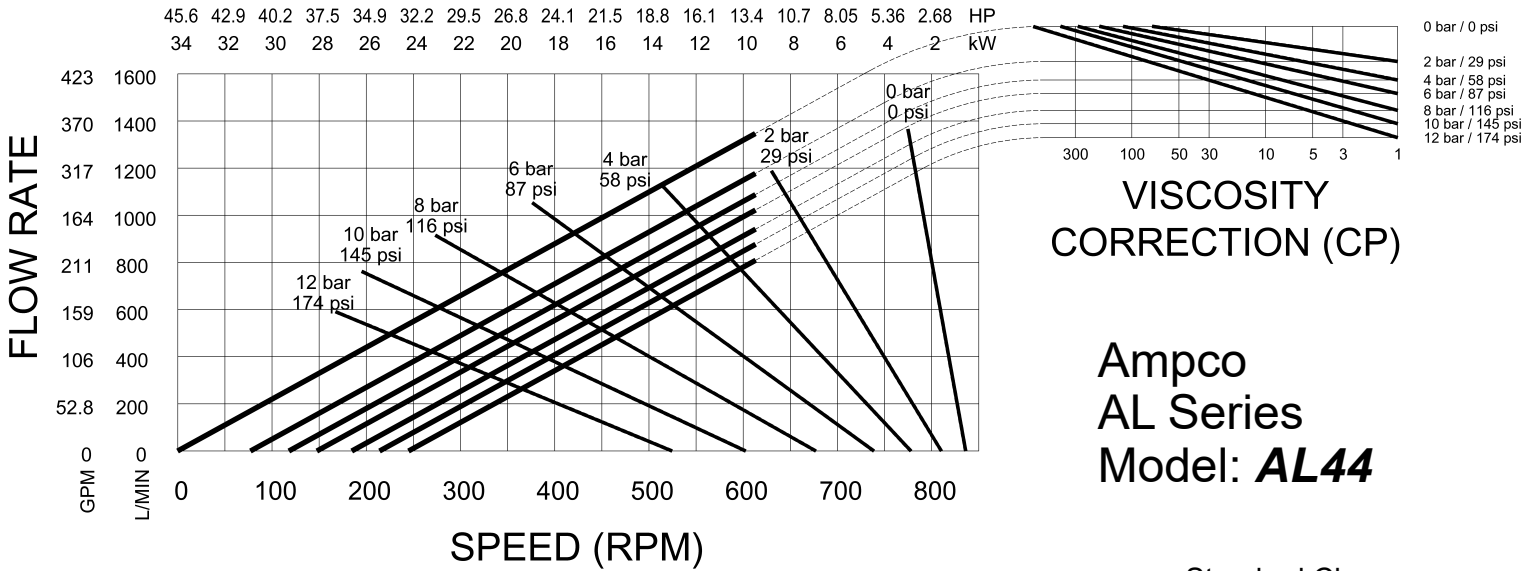
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# AL Series Positive Displacement Pumps

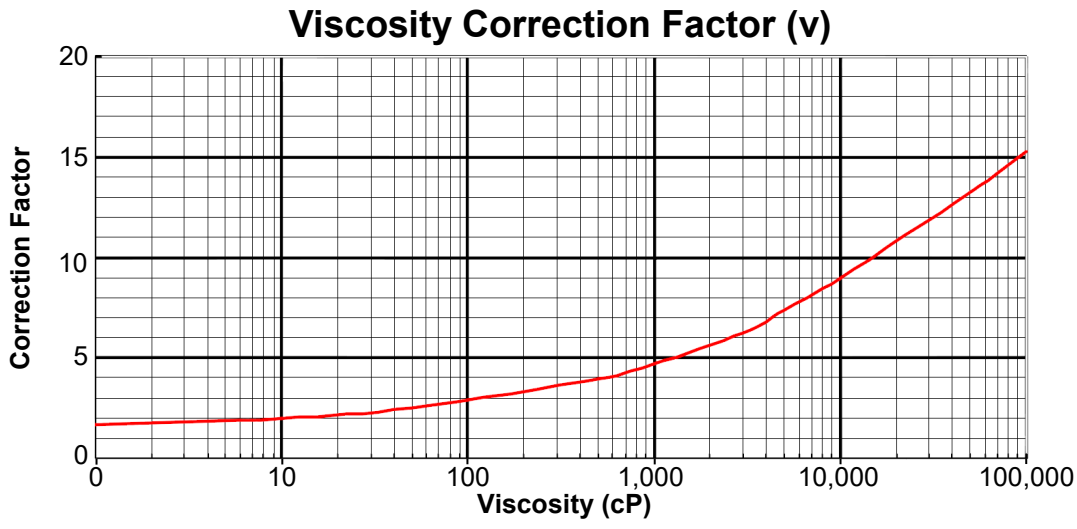
## ABSORBED POWER ABSORBED POWER FIGURES ARE FOR 1 CP VISCOSITY



**Ampco  
AL Series  
Model: AL44**

Standard Clearances  
Standard Port Size = 4.0"  
Displacement =  
0.60 Gal/Rev  
(2.27 L/Rev)

- Operating Specifications:
- 0-500 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

(English units) **Total Power (HP)** = (.0007×p + .0051×v)×n×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)

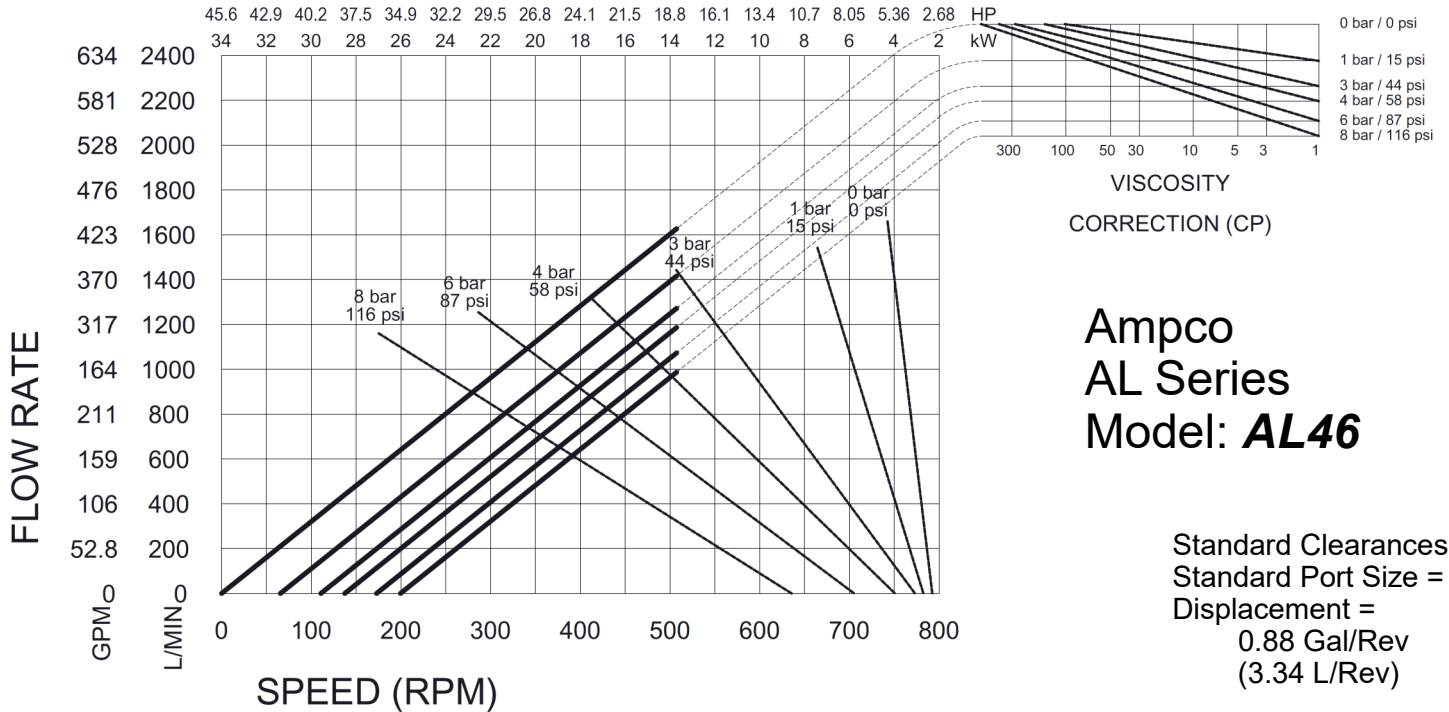
|                        |           |
|------------------------|-----------|
| <b>AL Series Model</b> | <b>44</b> |
| C (G/rev)              | .60       |
| C (L/rev)              | 2.27      |

Performance ratings are based on standard clearance rotors and single mechanical seals. Contact manufacturer for ratings of other seal and rotor configurations

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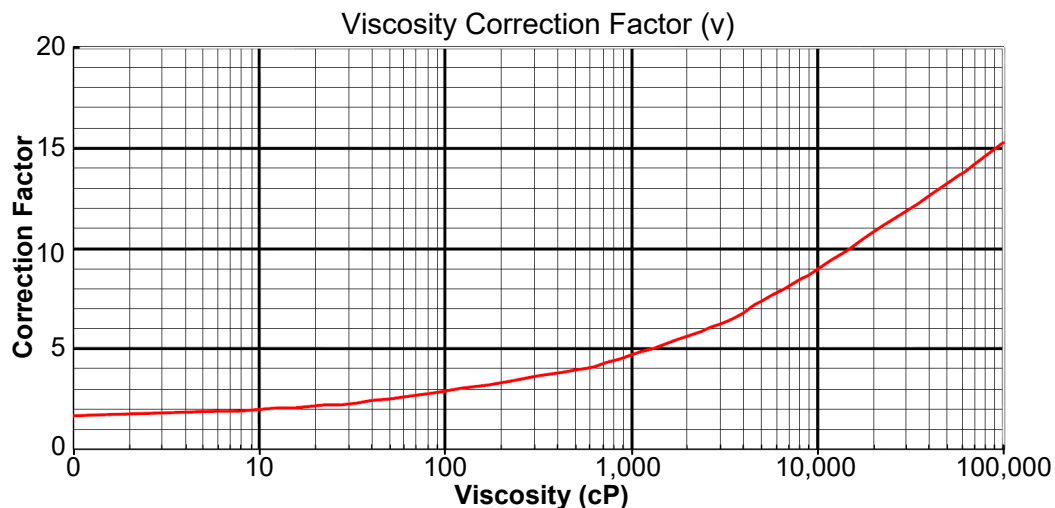
# AL Series Positive Displacement Pumps

## ABSORBED POWER ABSORBED POWER FIGURES ARE FOR 1 CP VISCOSITY



### Ampco AL Series Model: **AL46**

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



- Operating Specifications:
- 0-500 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

(English units) **Total Power (HP)** = (.0007×p + .0051×v)×n×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)

| AL Series Model | 46   |
|-----------------|------|
| C (G/rev)       | .88  |
| C (L/rev)       | 3.34 |

Performance ratings are based on standard clearance rotors and single mechanical seals. Contact manufacturer for ratings of other seal and rotor configurations

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