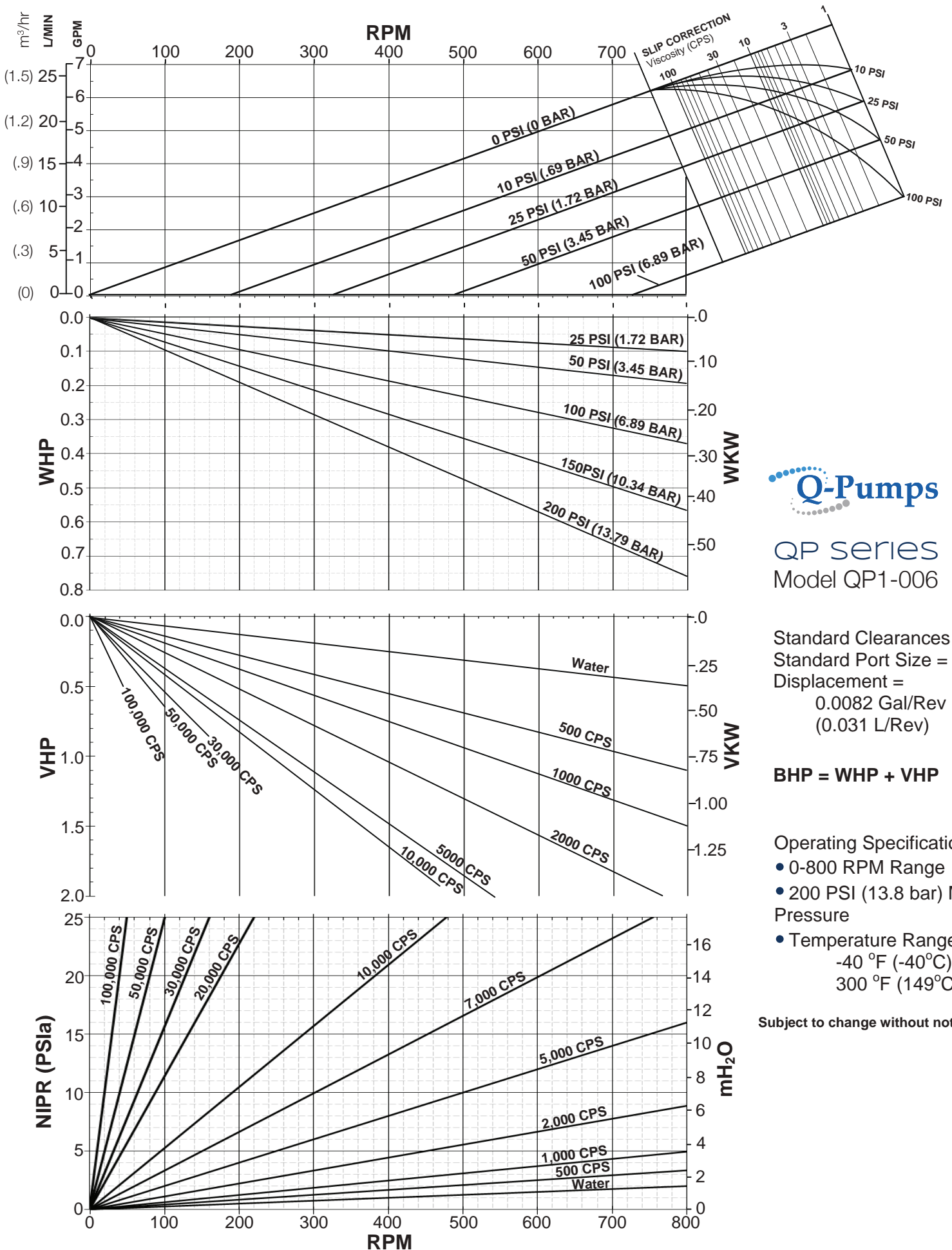


QP1 Series - Positive displacement pumps



QP series
Model QP1-006

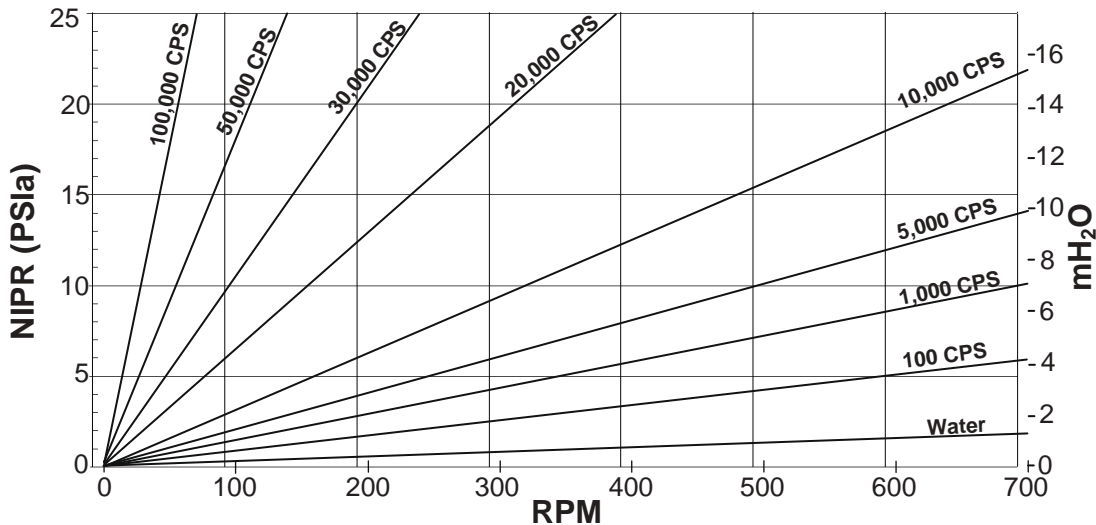
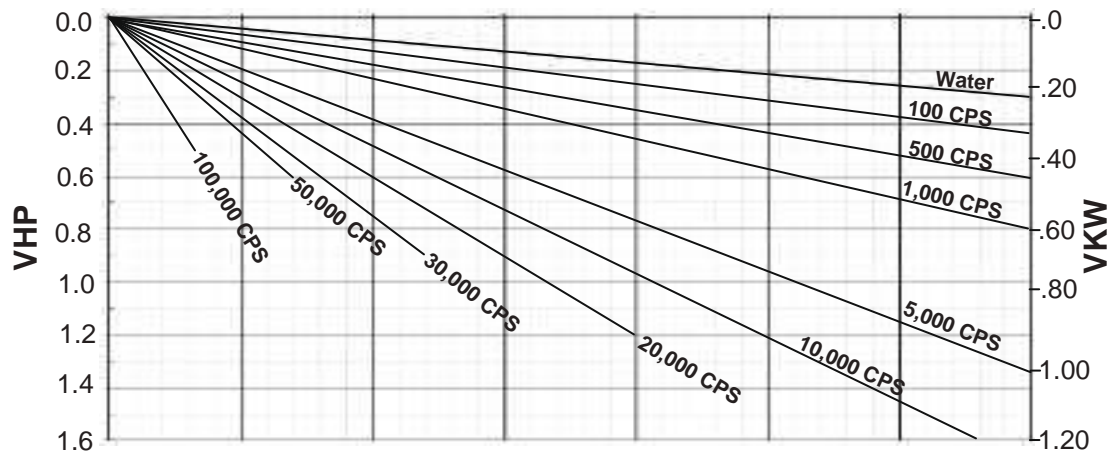
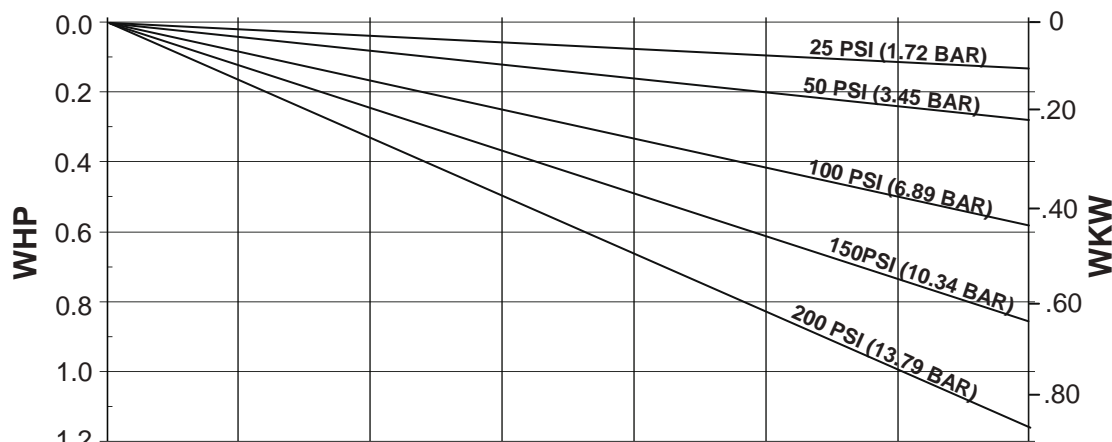
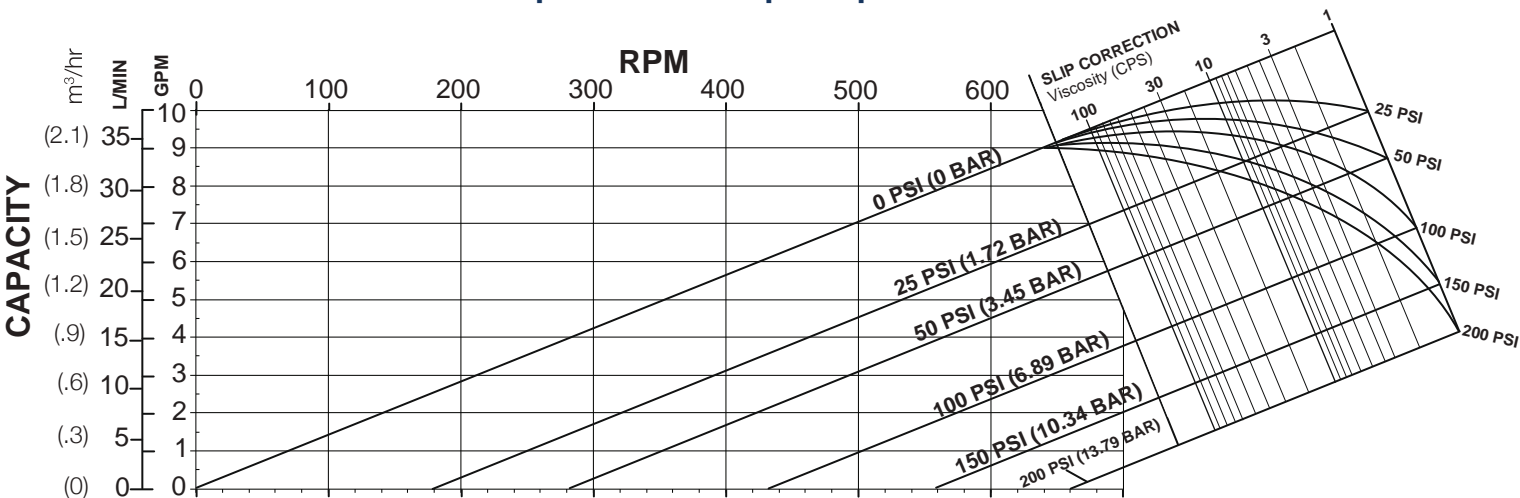
Standard Clearances
Standard Port Size = 1.0"
Displacement =
0.0082 Gal/Rev
(0.031 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-800 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP1 Series - Positive displacement pumps



QP Series
Model QP1-015

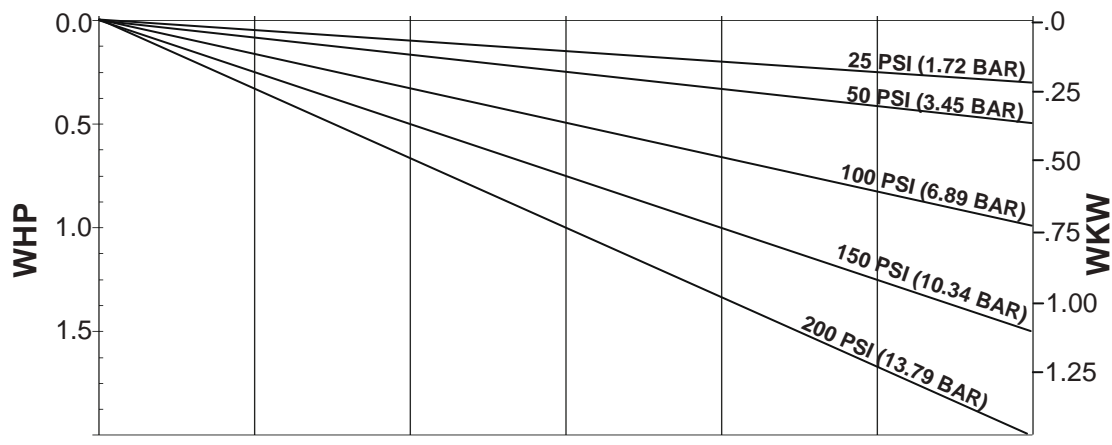
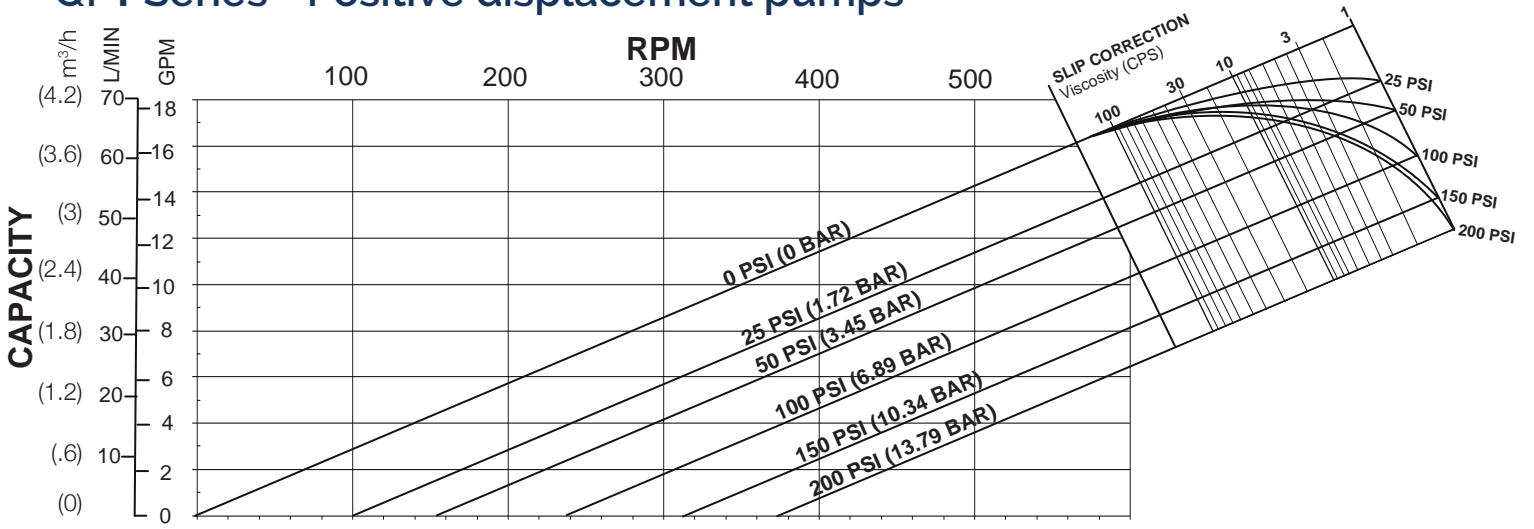
Standard Clearances
Standard Port Size = 1.5"
Displacement =
0.014 Gal/Rev
(0.054 L/Rev)

BHP = WHP + VHP

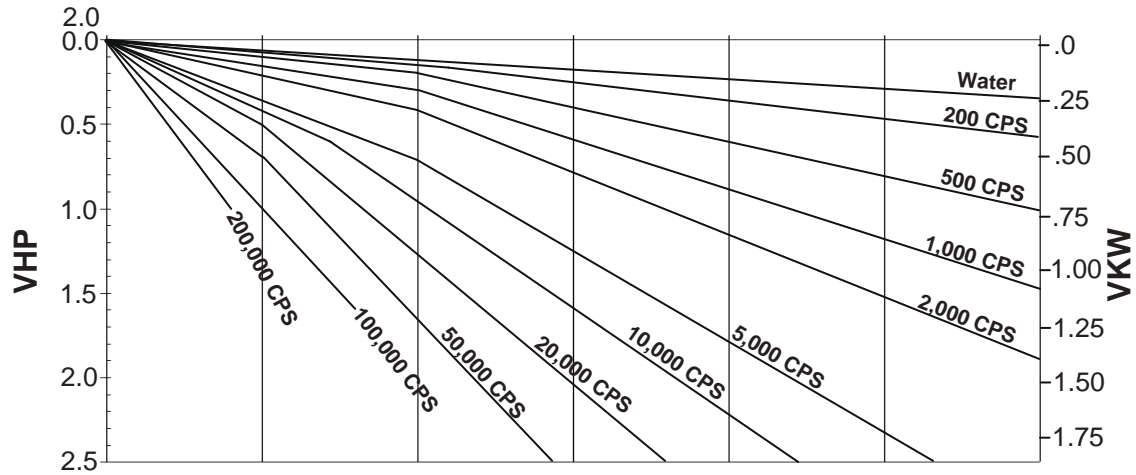
- Operating Specifications:
- 0-700 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP1 Series - Positive displacement pumps



QP Series
 Model QP1-018

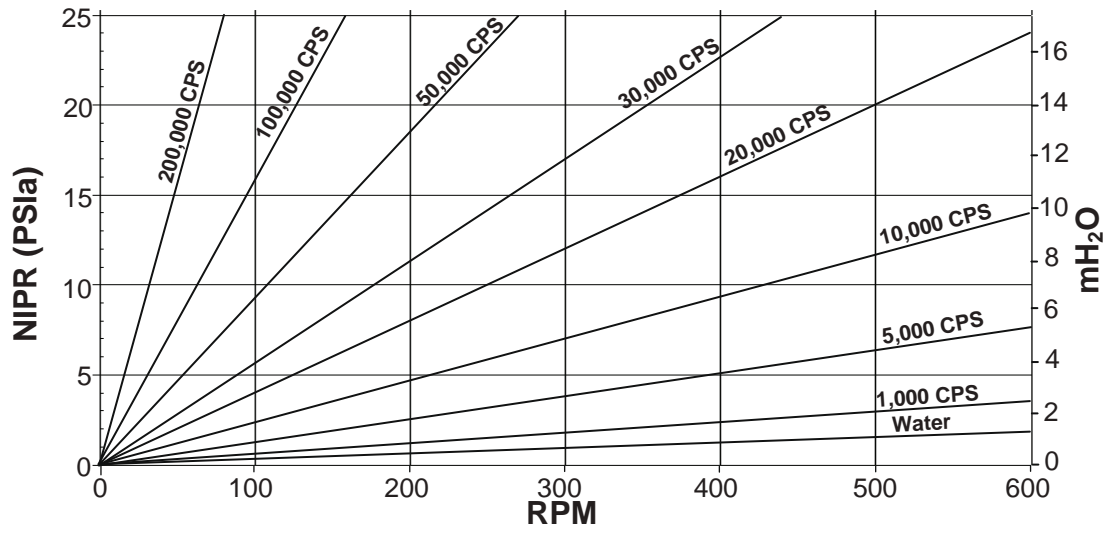


Standard Clearances
 Standard Port Size = 1.5"
 Displacement =
 0.029 Gal/Rev
 (0.108 L/Rev)

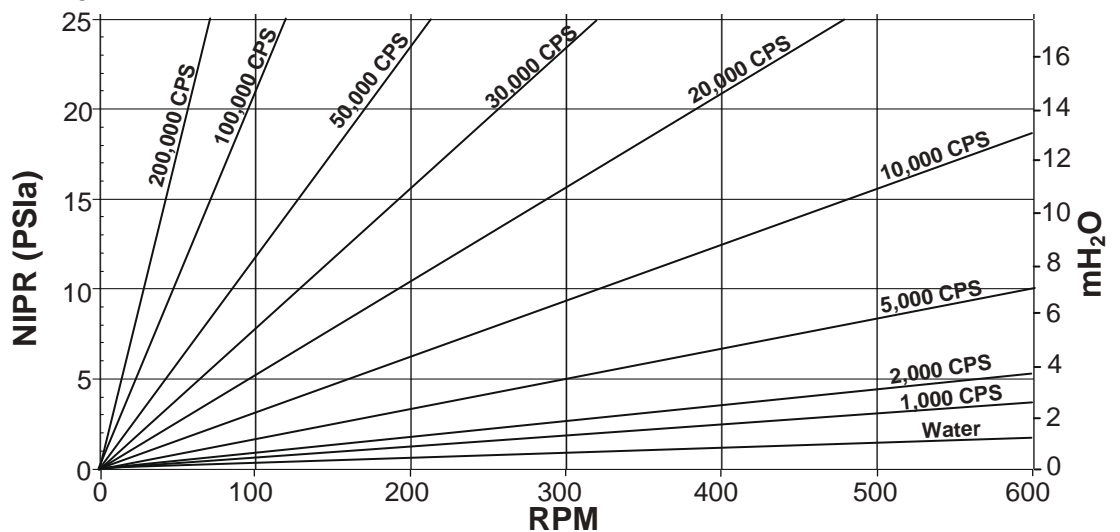
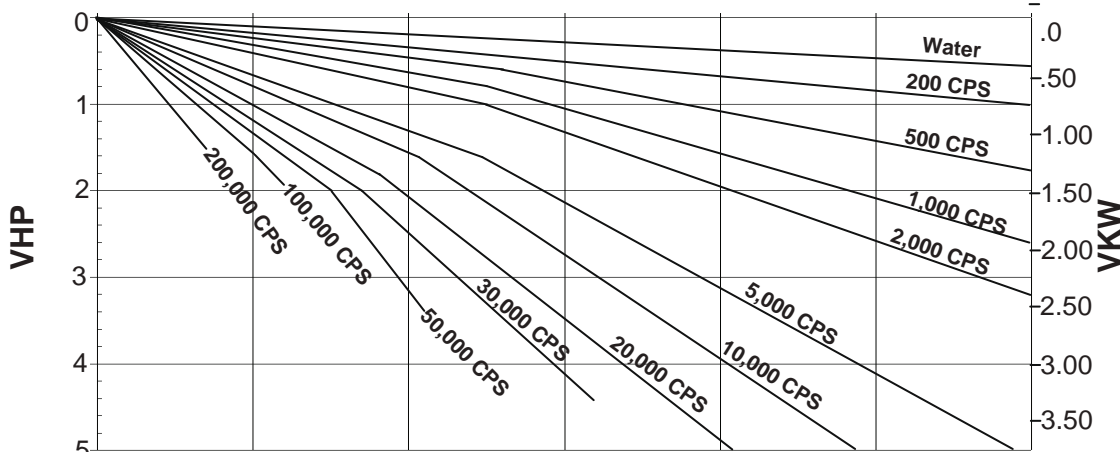
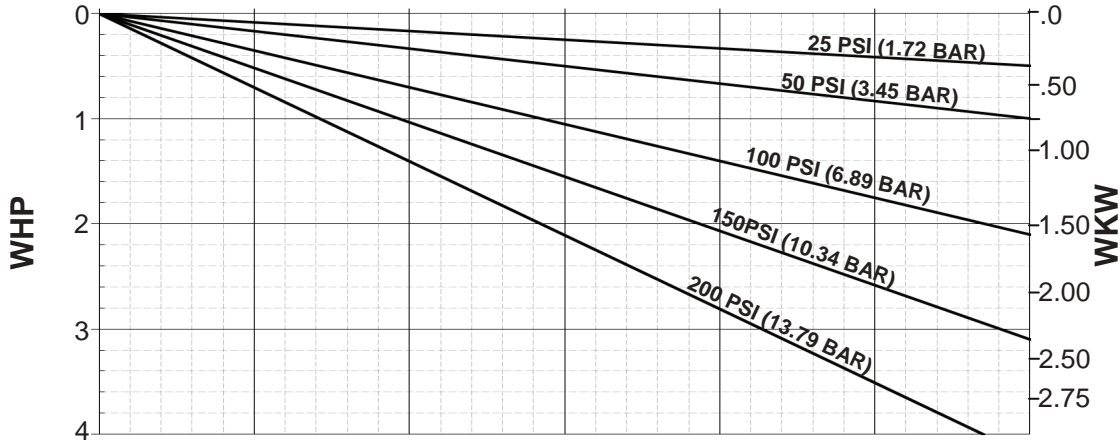
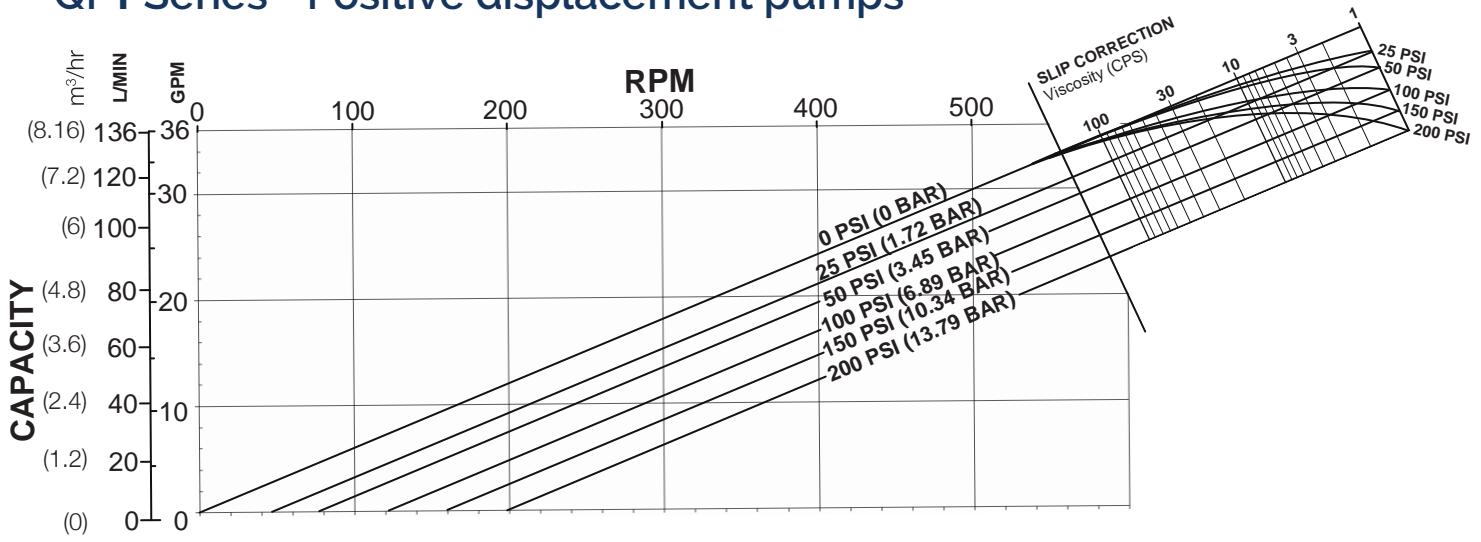
BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
 -40 °F (-40°C) to
 300 °F (149°C)

Subject to change without notice



QP1 Series - Positive displacement pumps



QP Series
 Model QP1-030

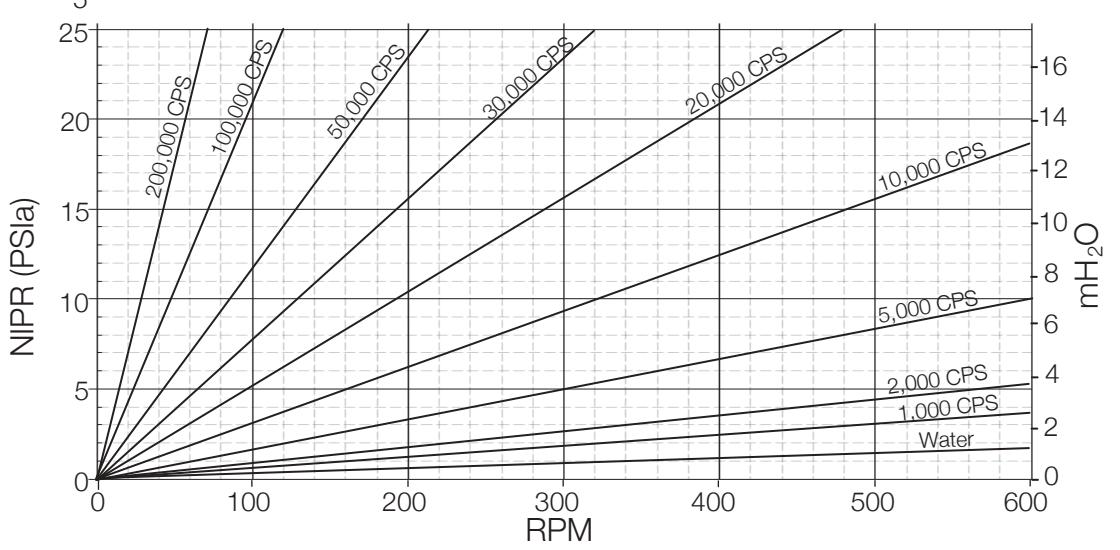
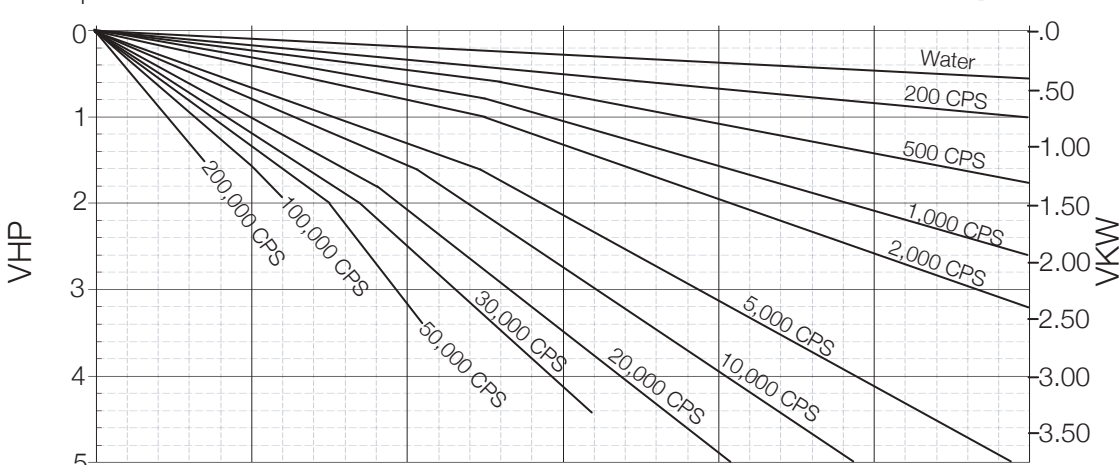
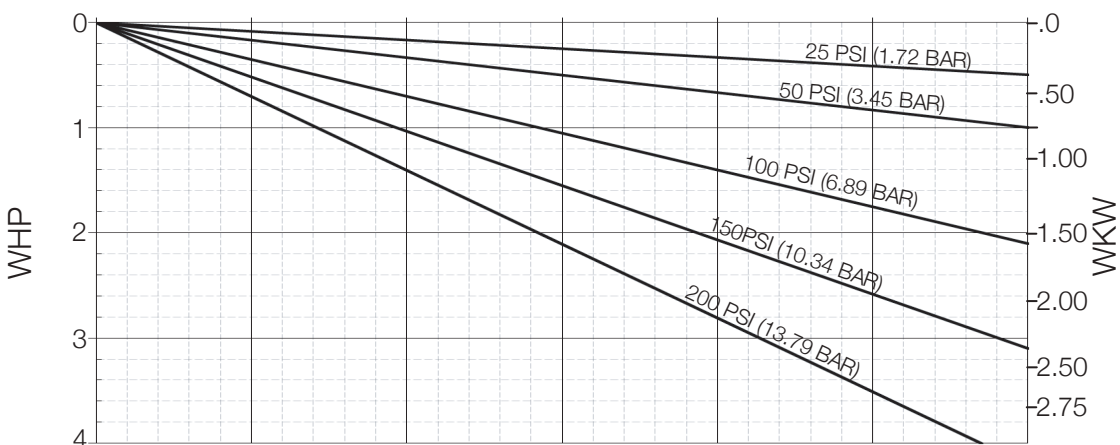
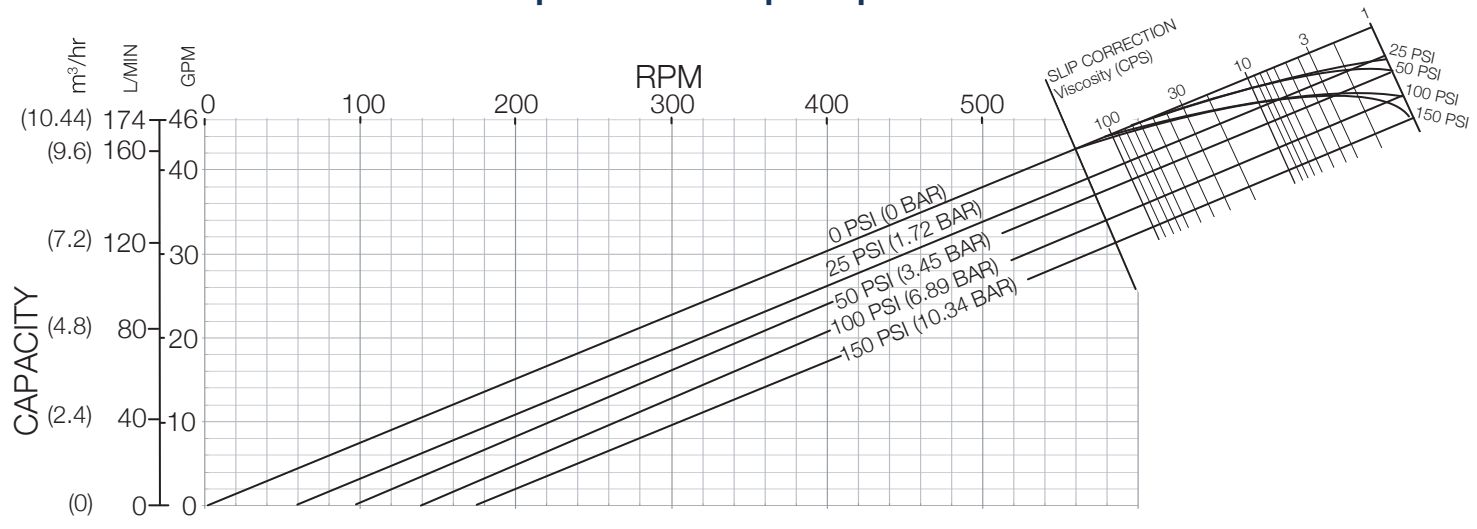
Standard Clearances
 Standard Port Size = 1.5"
 Displacement =
 0.060 Gal/Rev
 (0.227 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
 -40 °F (-40°C) to
 300 °F (149°C)

Subject to change without notice

QP1 Series - Positive displacement pumps



QP Series
Model QP1-040

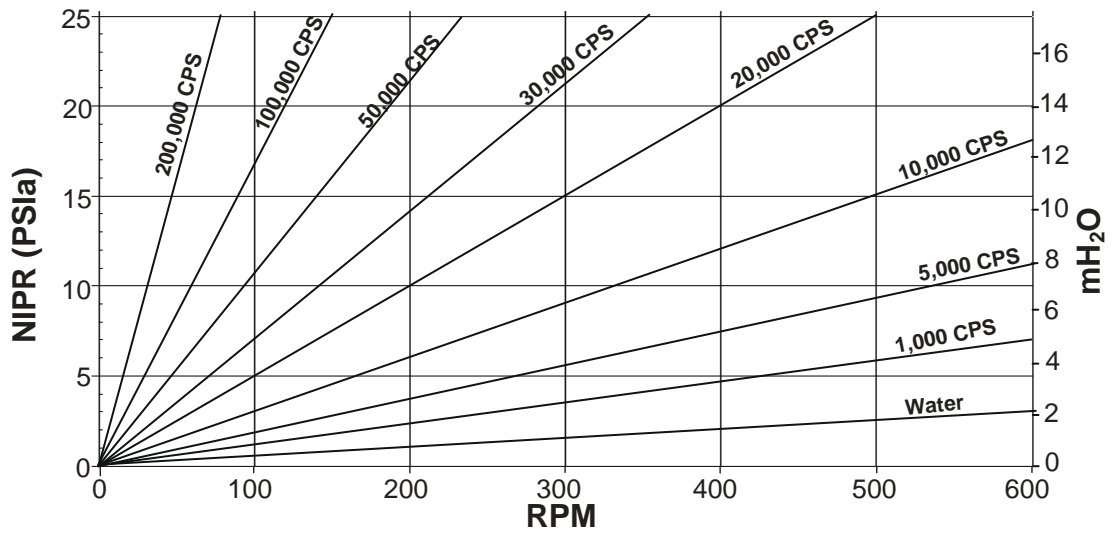
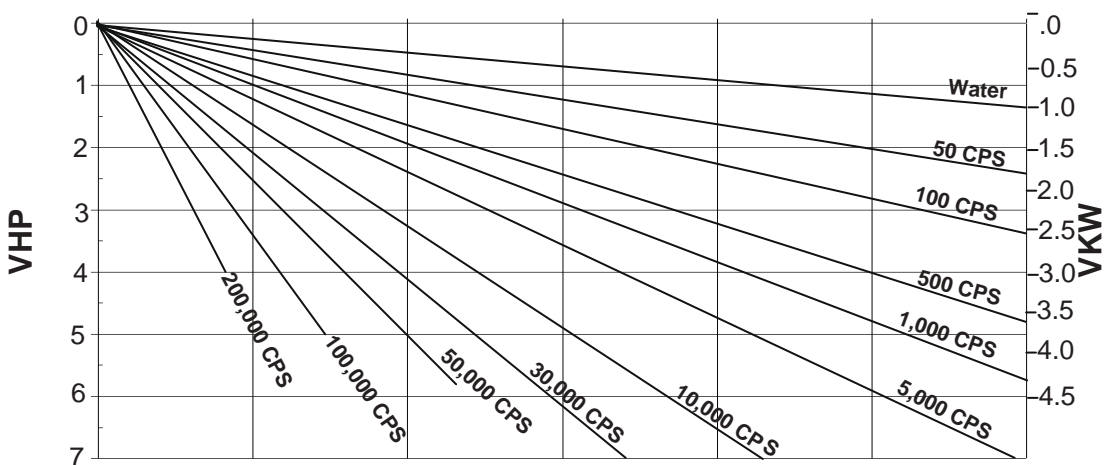
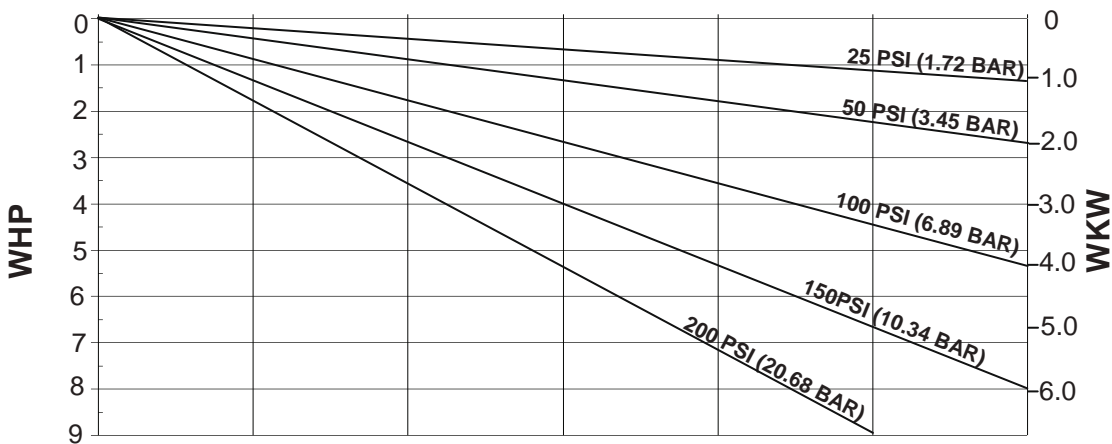
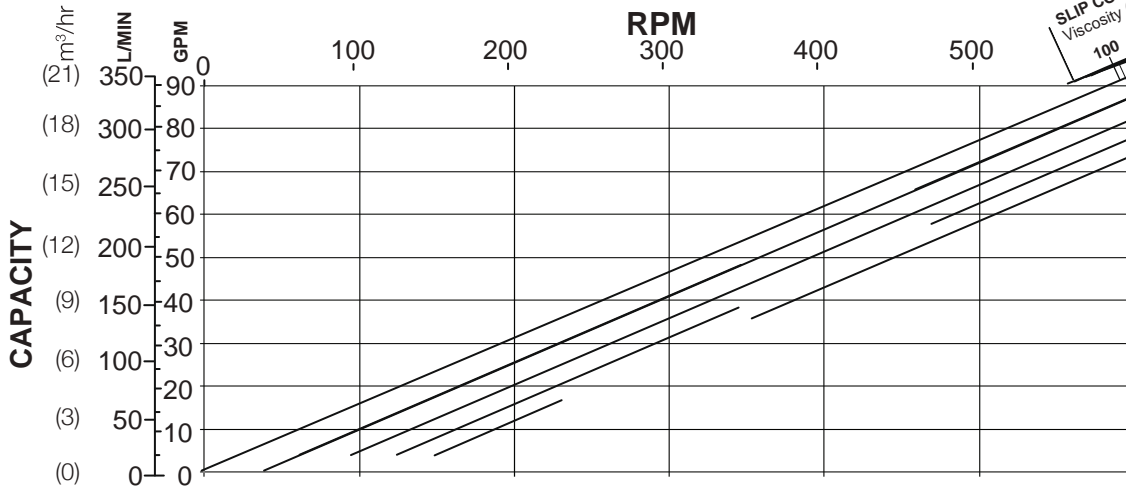
Standard Clearances
Standard Port Size = 2.0"
Displacement =
0.076Gal/Rev
(0.288 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 150 PSI (10.3 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149 °C)

Subject to change without notice

QP1 Series - Positive displacement pumps



QP Series
Model QP1-060

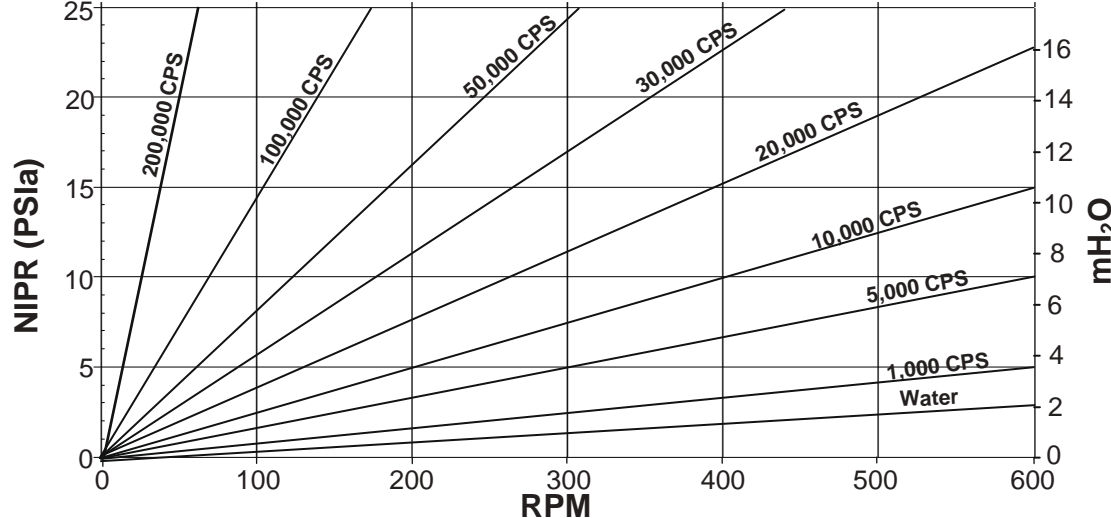
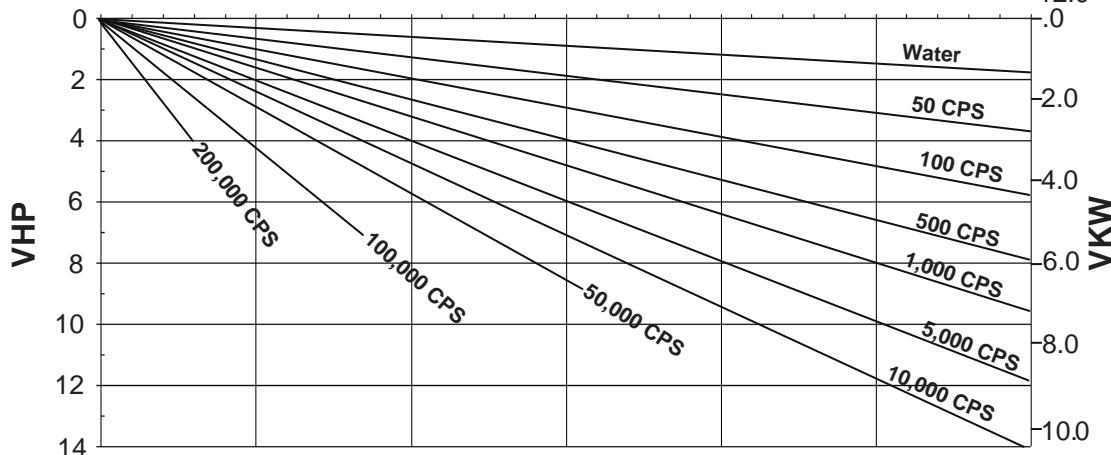
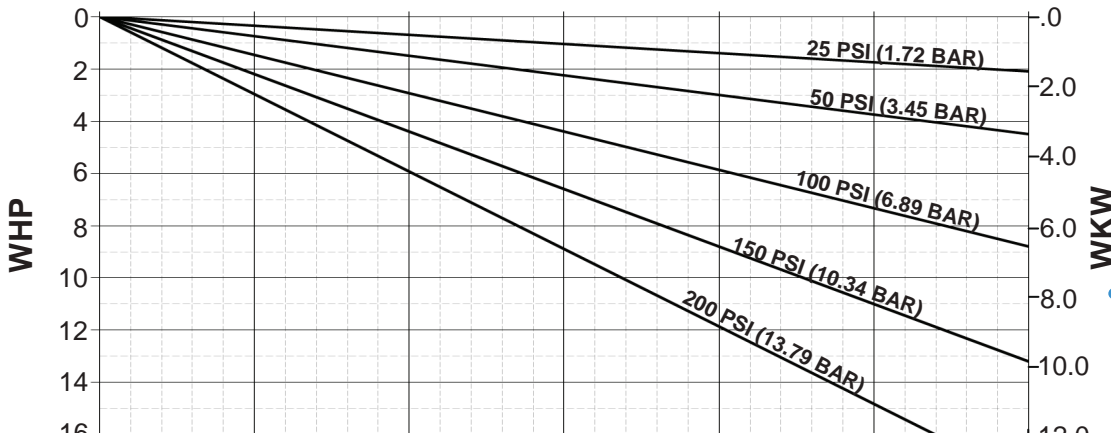
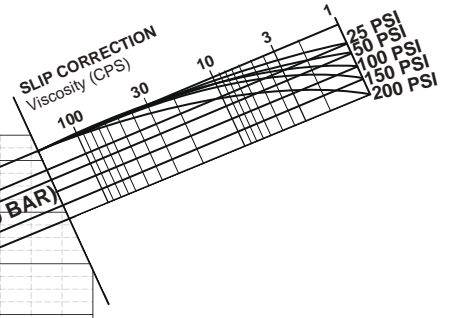
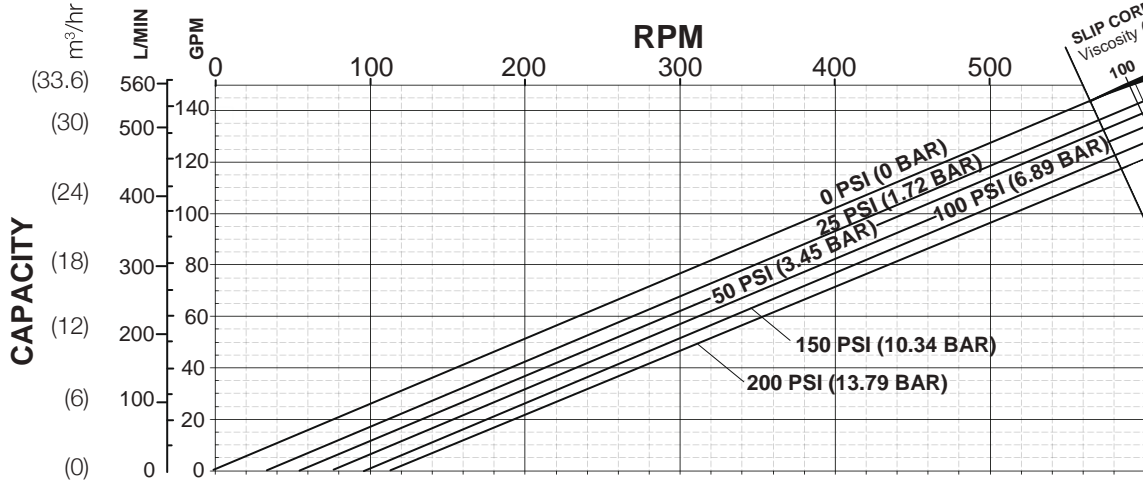
Standard Clearances
Standard Port Size = 2.5"
Displacement =
0.153 Gal/Rev
(0.579 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP1 Series - Positive displacement pumps



QP Series
 Model QP1-130

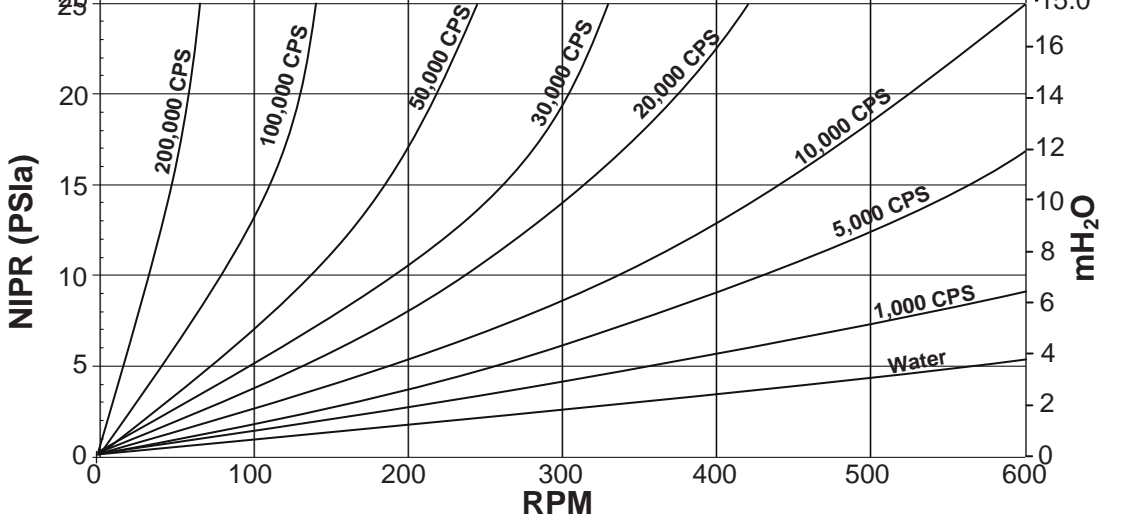
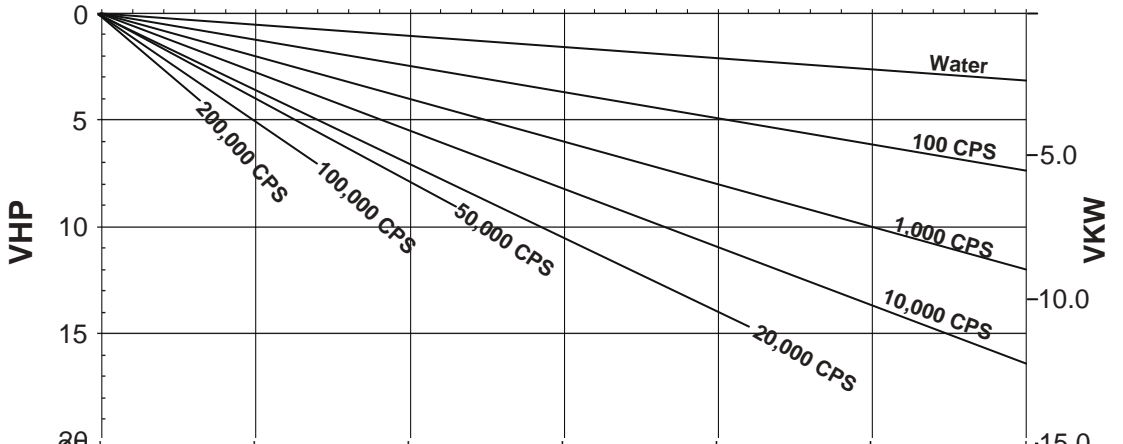
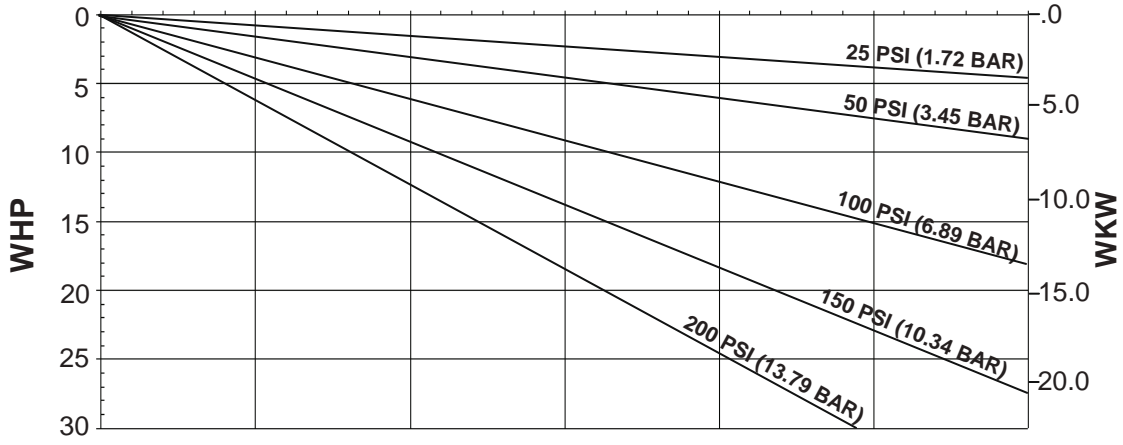
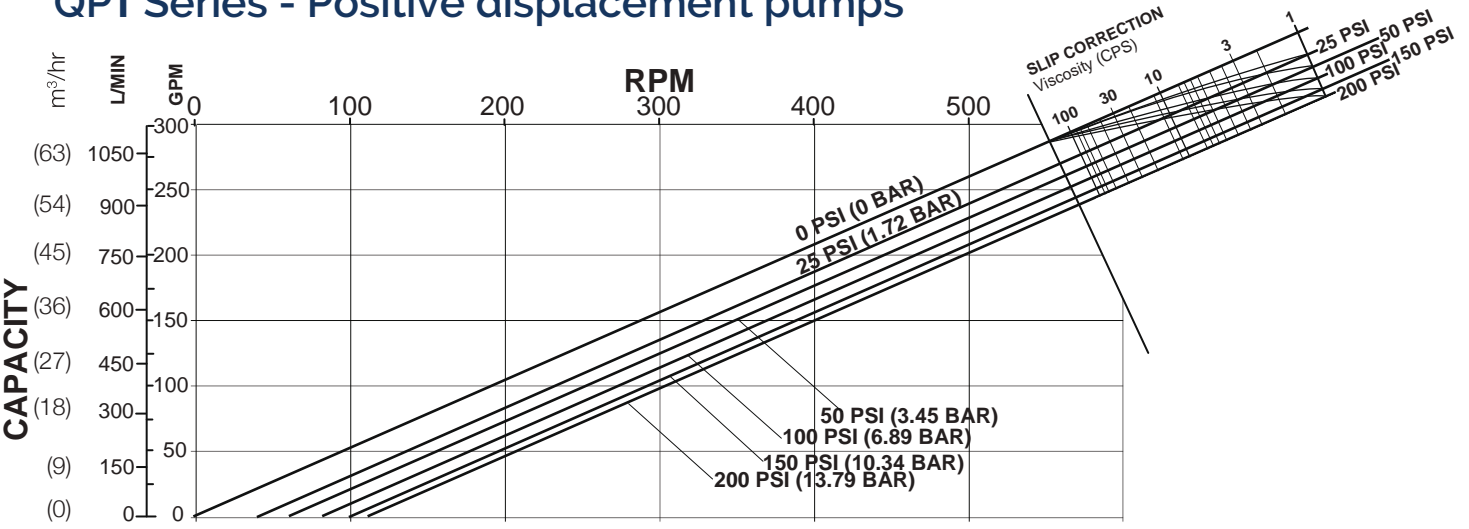
Standard Clearances
 Standard Port Size = 3.0"
 Displacement =
 0.254 Gal/Rev
 (0.961 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
 -40 °F (-40°C) to
 300 °F (149°C)

Subject to change without notice

QP1 Series - Positive displacement pumps



QP Series
Model QP1-220

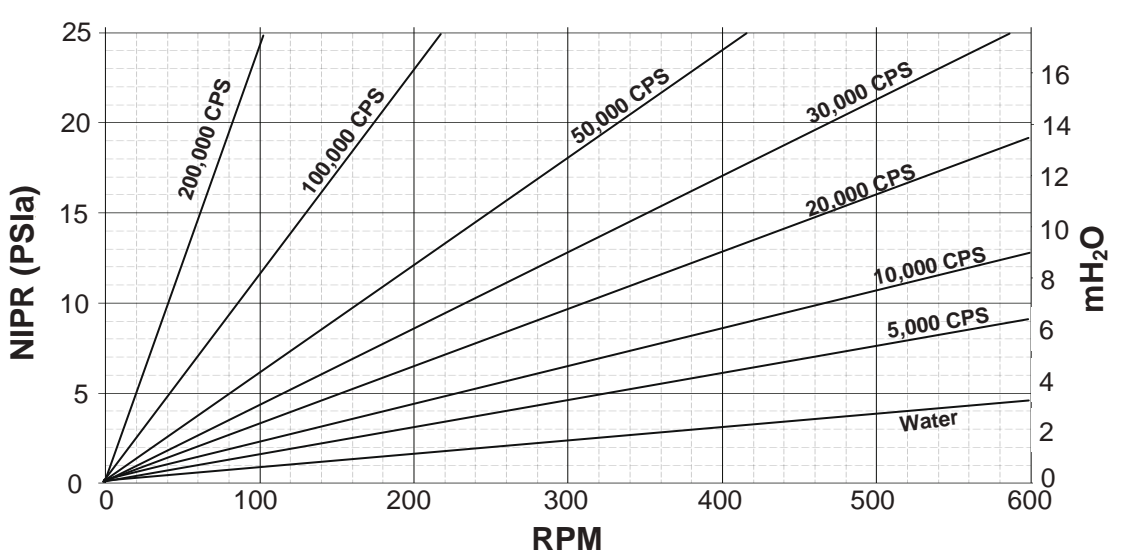
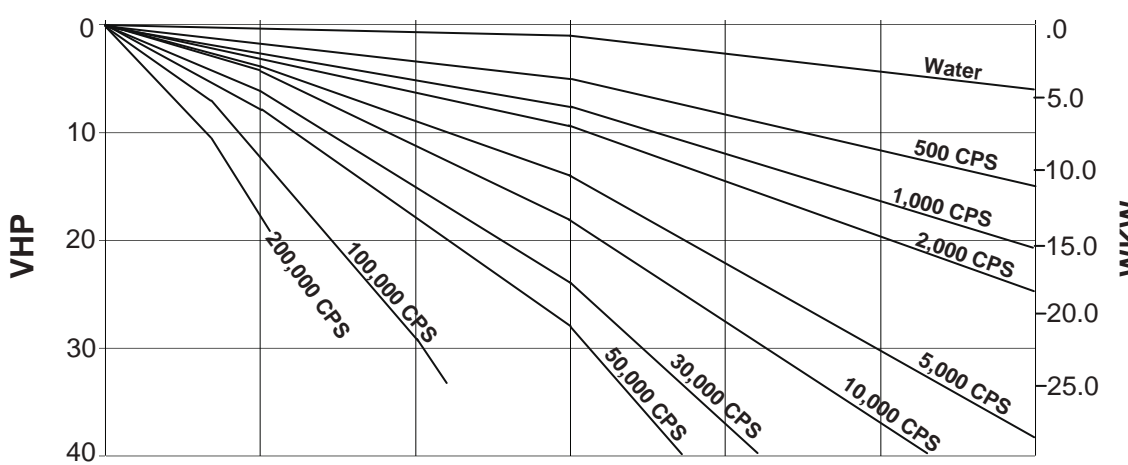
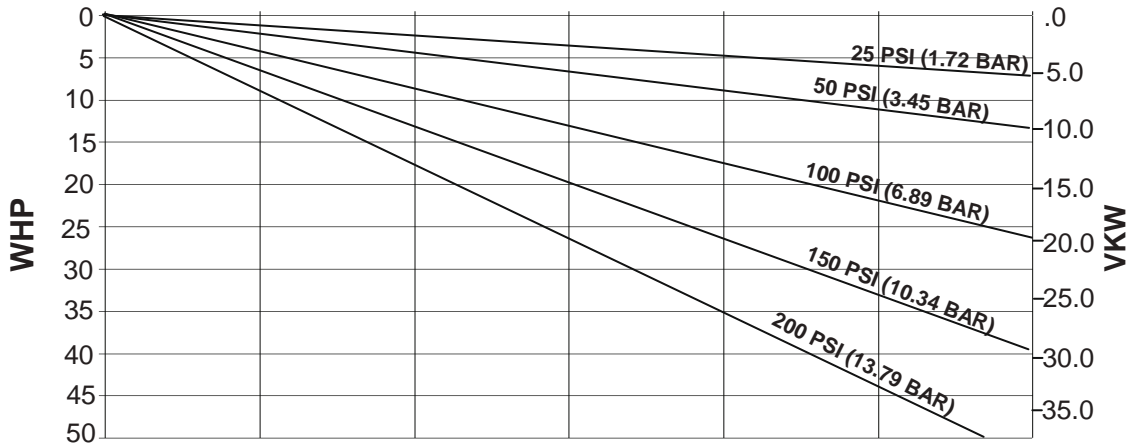
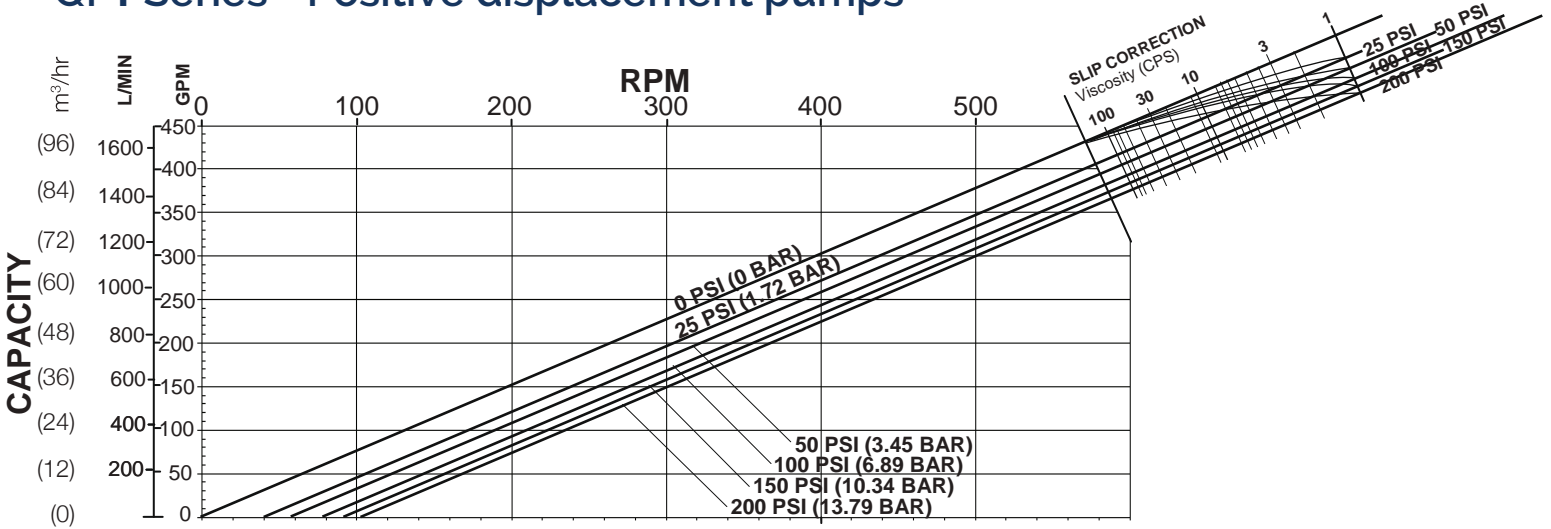
Standard Clearances
Standard Port Size = 4.0"
Displacement =
0.522 Gal/Rev
(1.976 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP1 Series - Positive displacement pumps



QP Series
 Model QP1-320

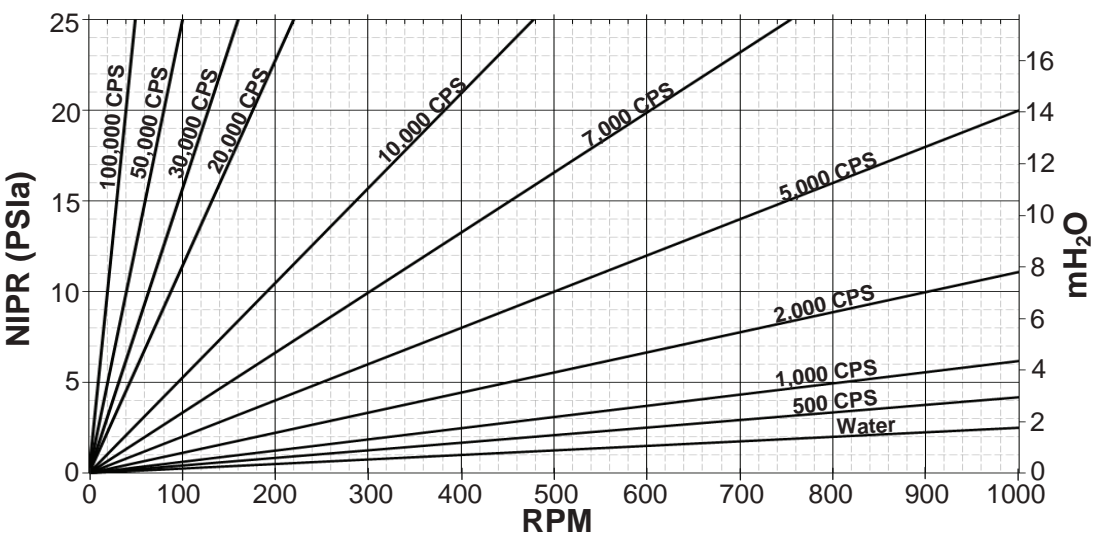
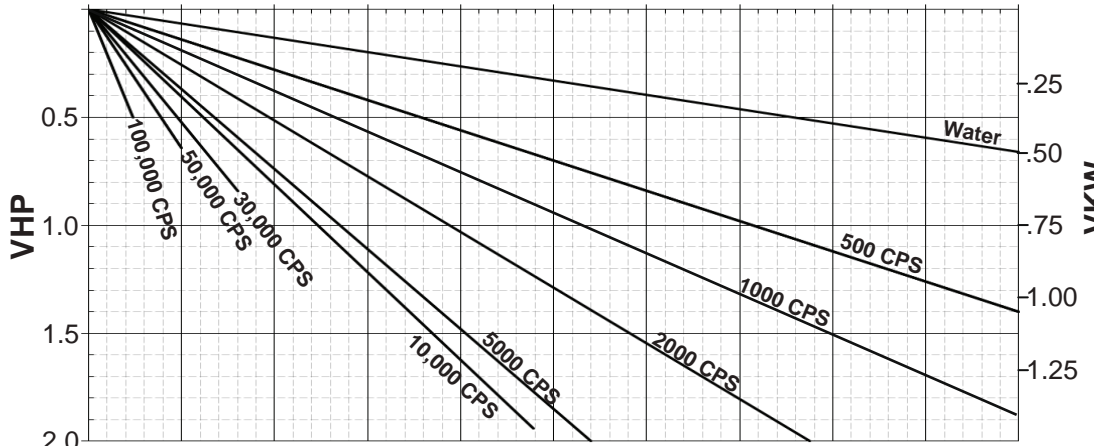
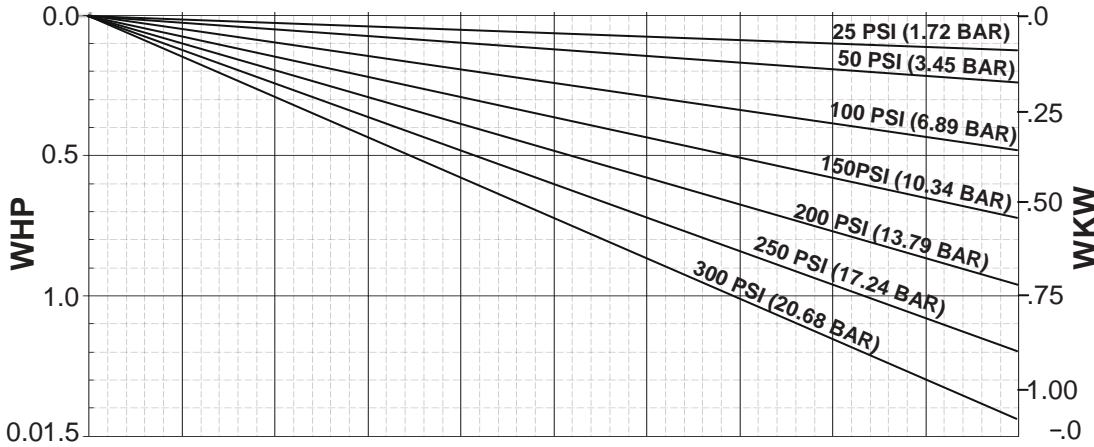
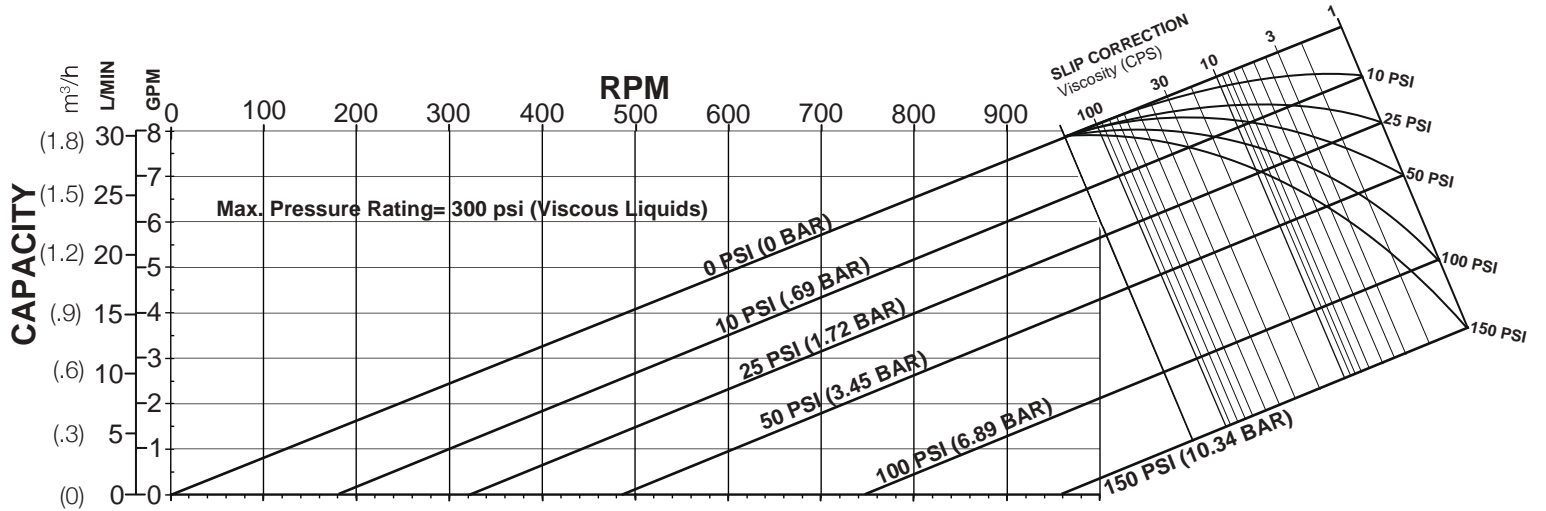
Standard Clearances
 Standard Port Size = 6.0"
 Displacement =
 0.754 Gal/Rev
 (2.854 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
 -40 °F (-40°C) to
 300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



QP Series
Model QP2-006

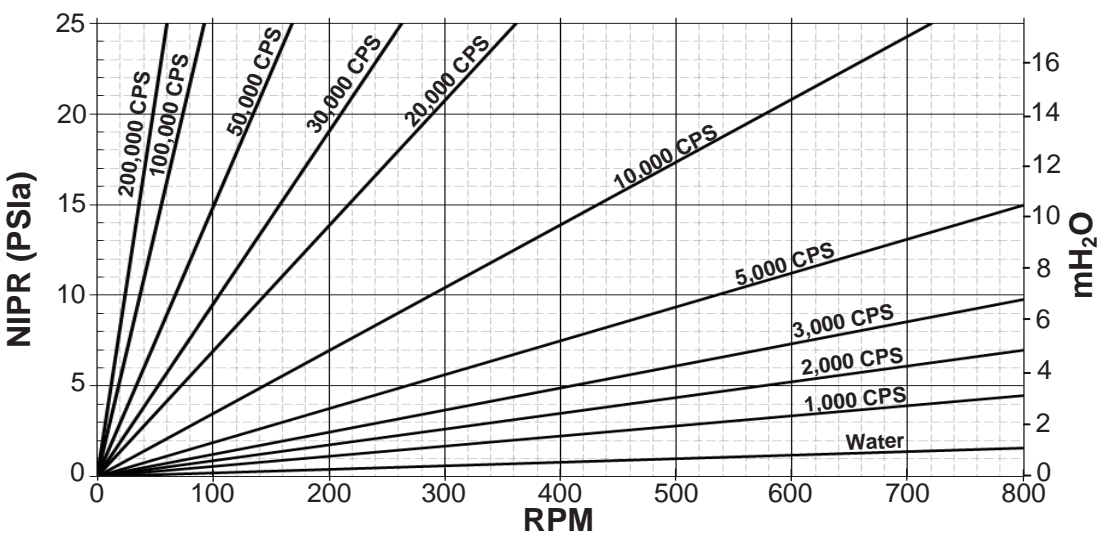
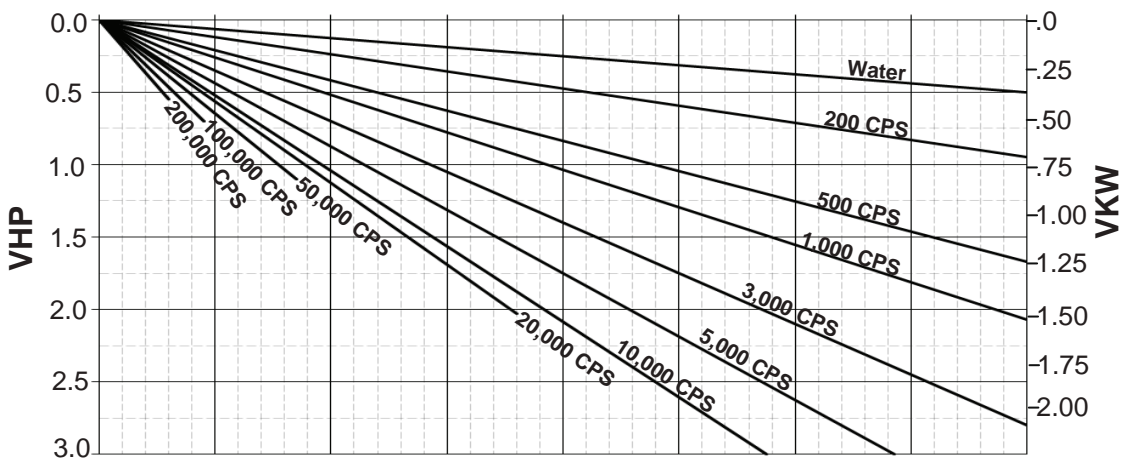
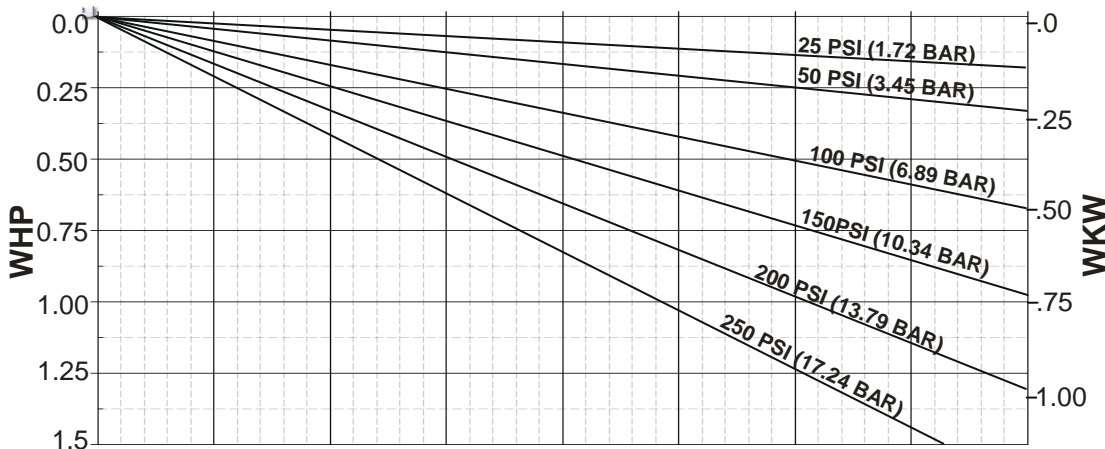
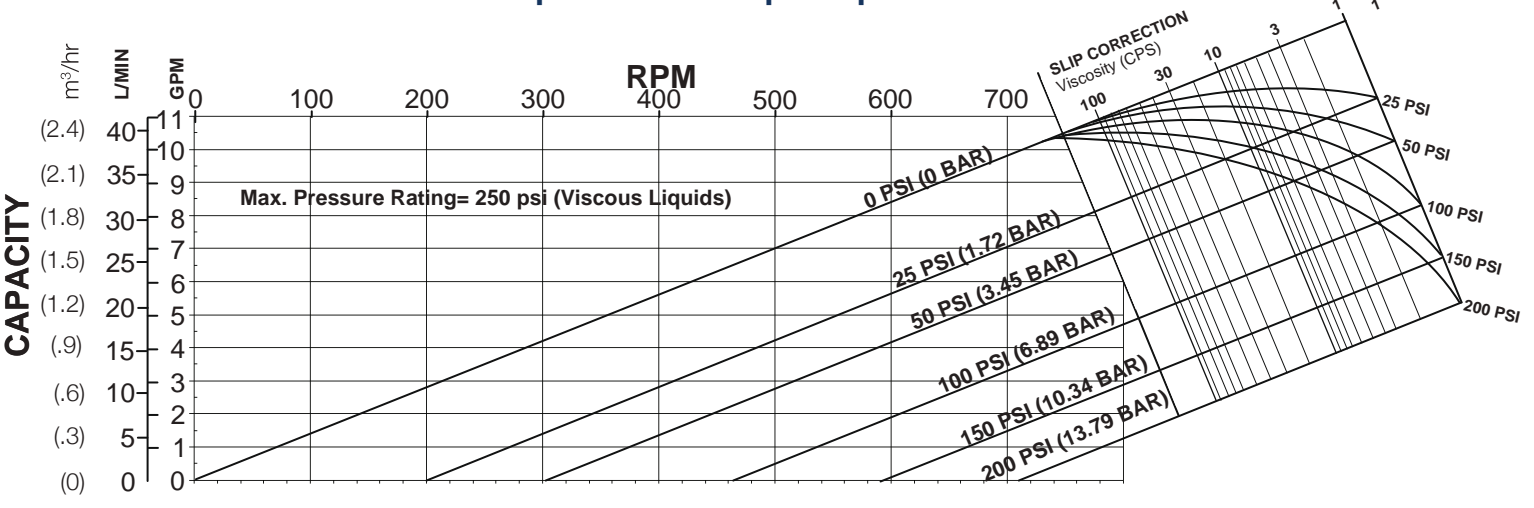
Standard Clearances
Standard Port Size = 1.0"
Displacement =
0.0082 Gal/Rev
(0.031 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-1000 RPM Range
 - 300 PSI (20.7 bar) Max. Pressure
 - Temperature Range -40 °F (-40°C) to 300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



QP Series
Model QP2-015

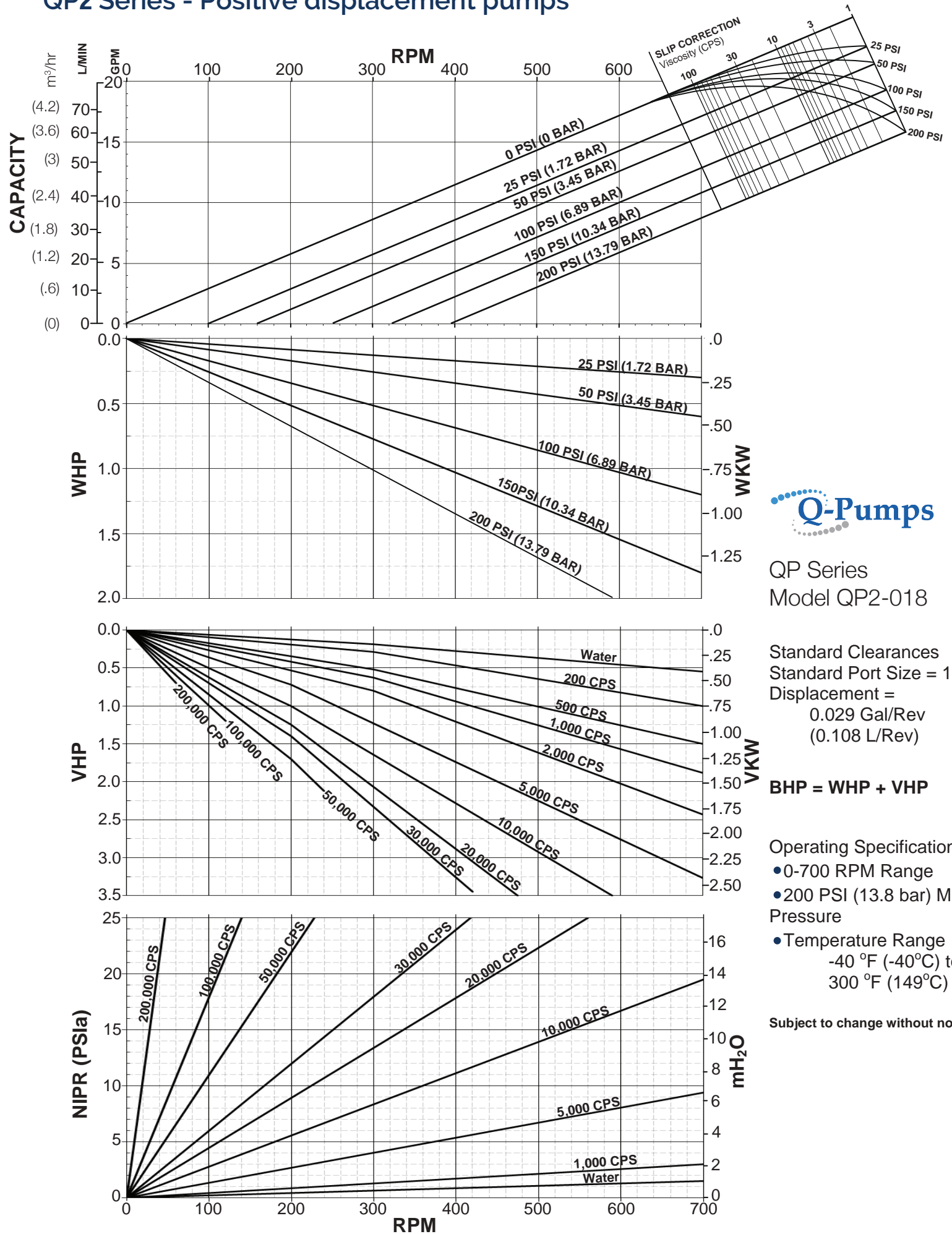
Standard Clearances
Standard Port Size = 1.5"
Displacement =
0.014 Gal/Rev
(0.054 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-800 RPM Range
 - 250 PSI (17.2 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



QP Series
Model QP2-018

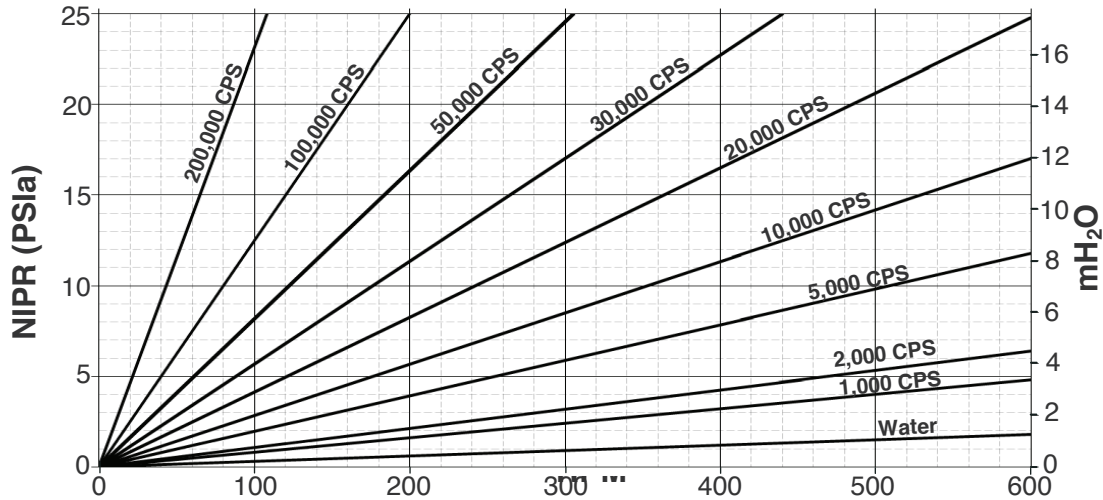
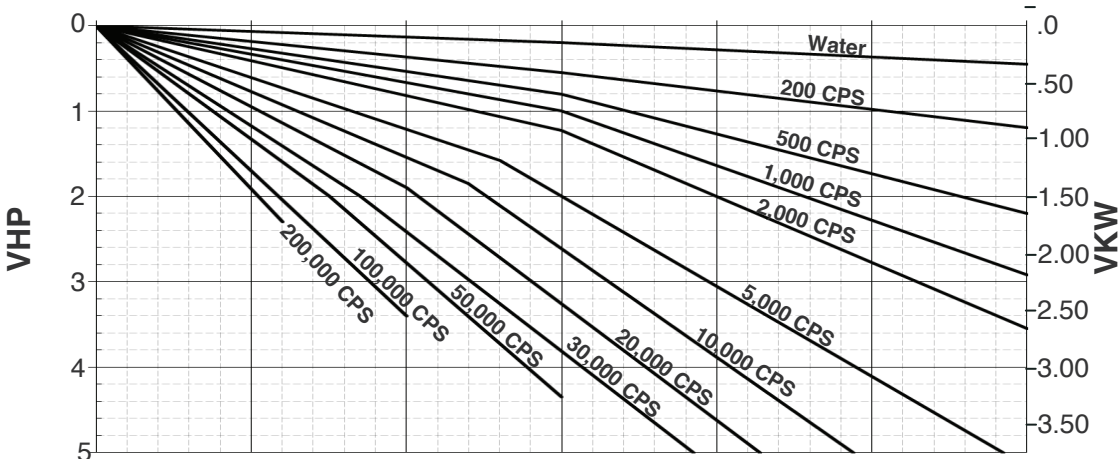
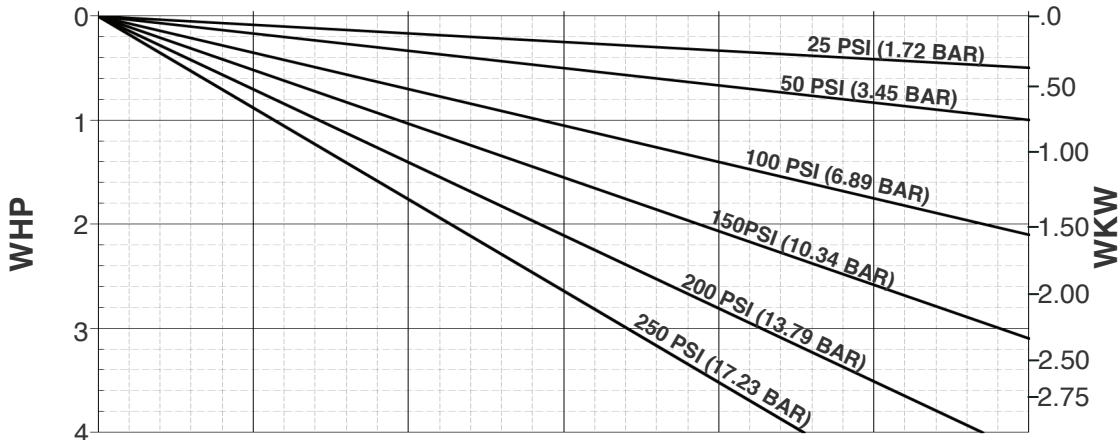
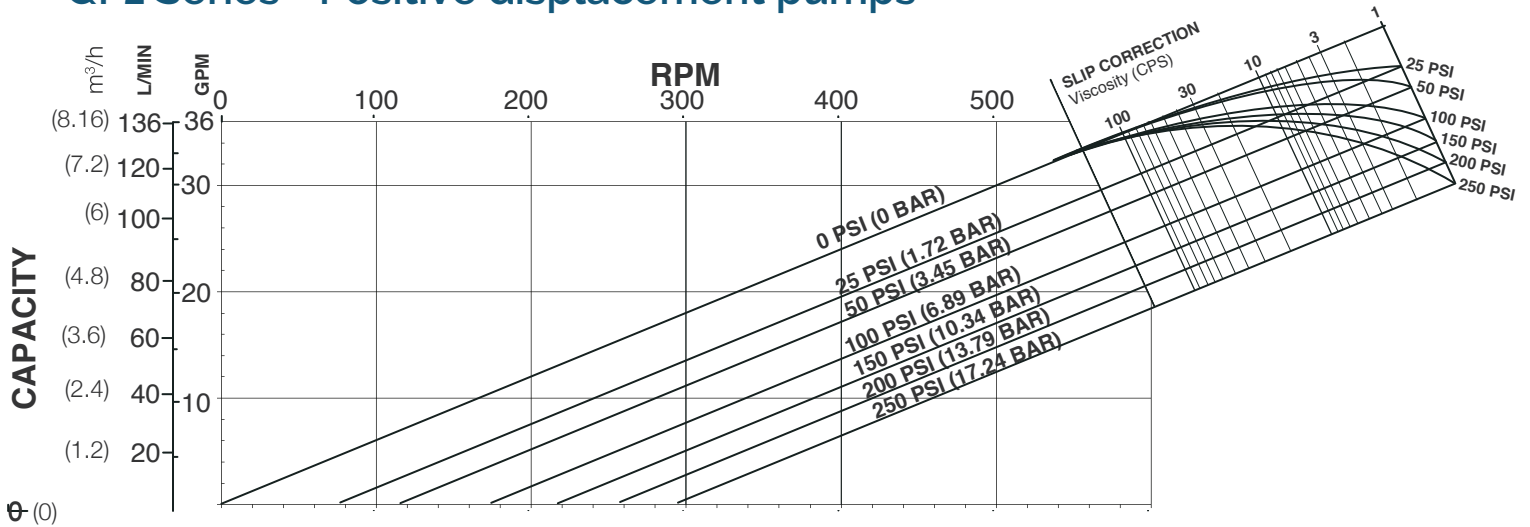
Standard Clearances
Standard Port Size = 1.5"
Displacement =
0.029 Gal/Rev
(0.108 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-700 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



QP Series
Model QP2-030

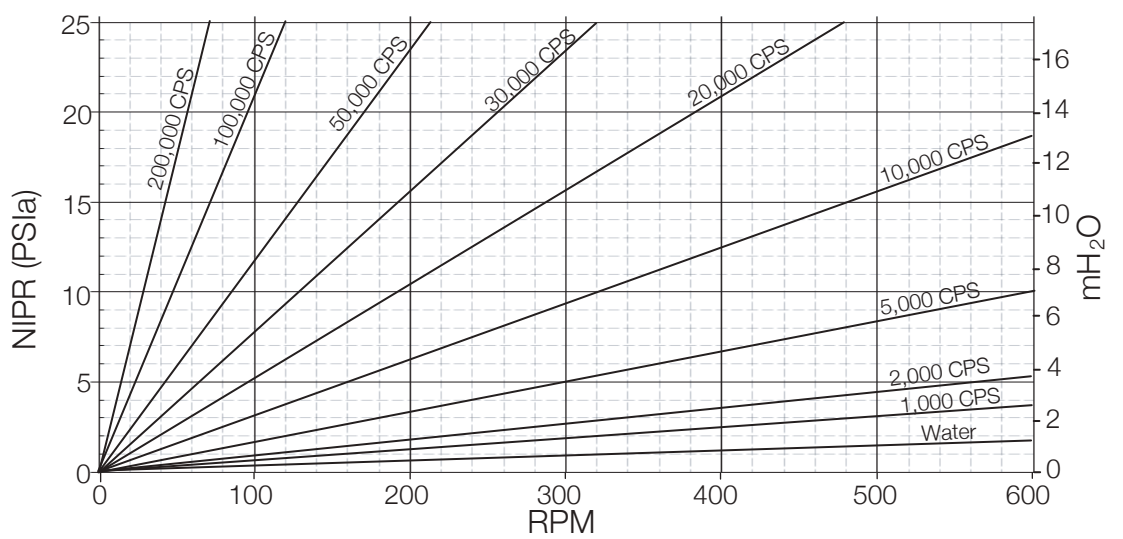
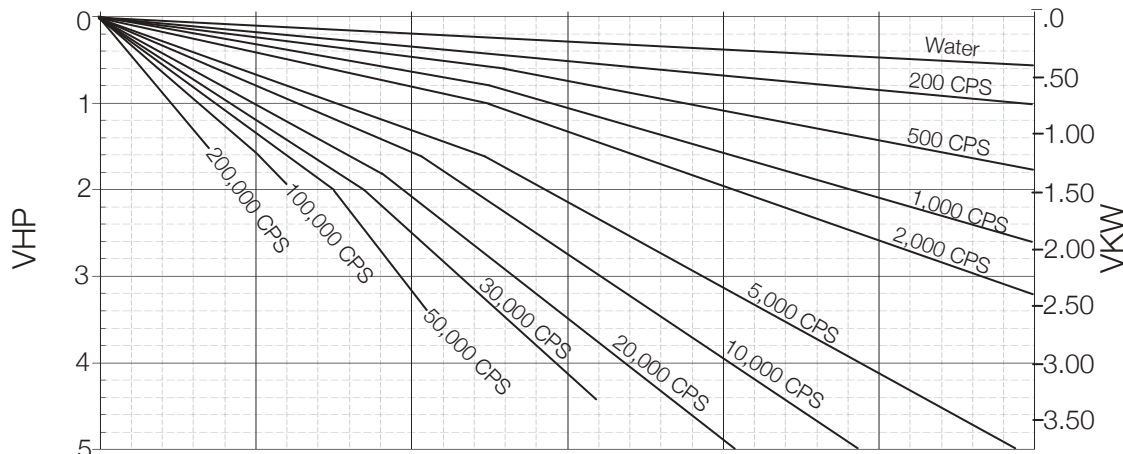
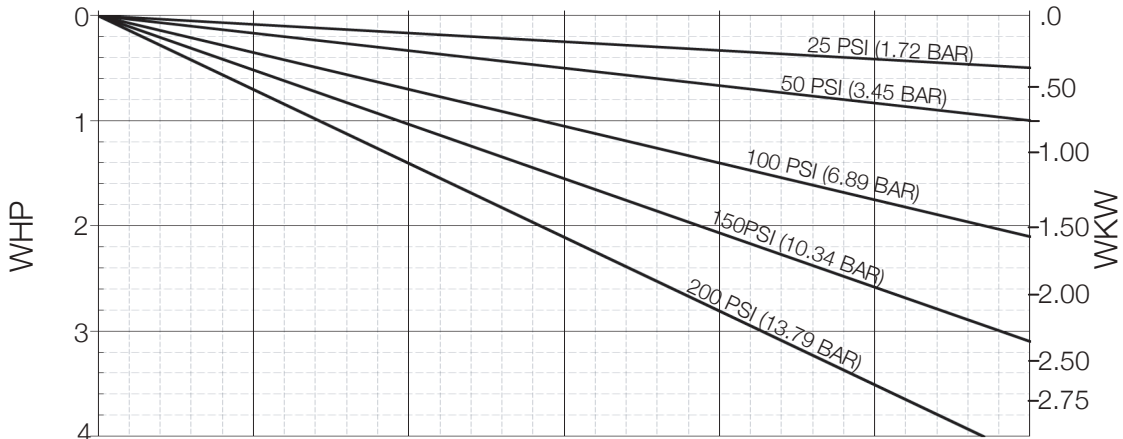
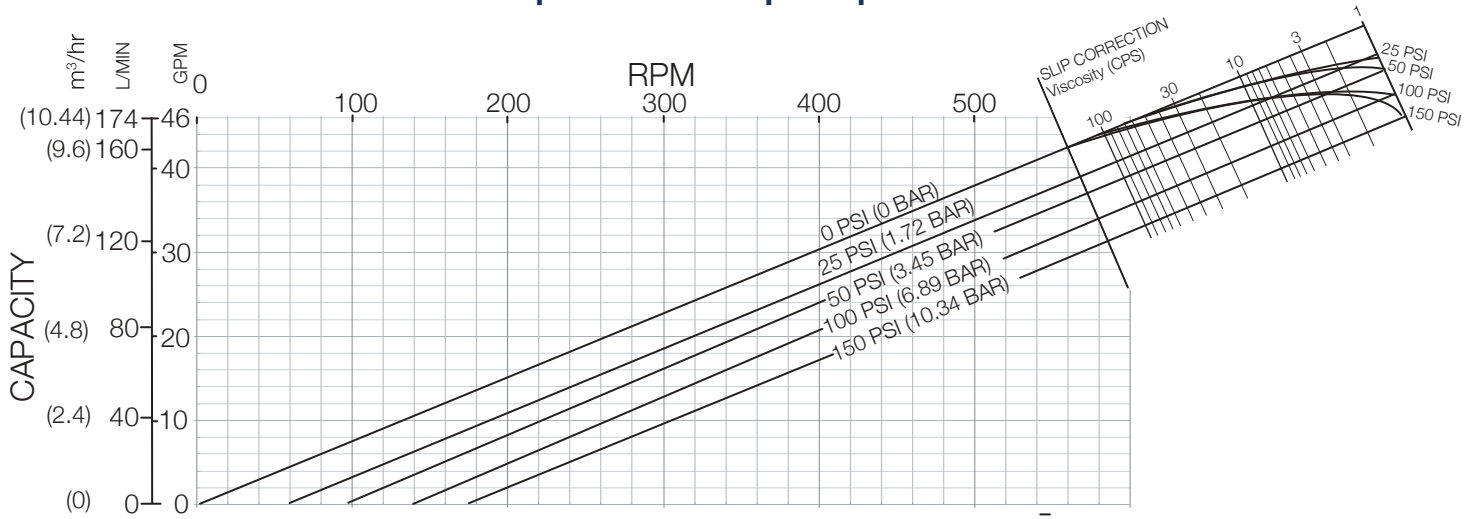
Standard Clearances
Standard Port Size = 1.5"
Displacement =
0.060 Gal/Rev
(0.227 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 250 PSI (17.2 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



QP Series
Model QP2-040

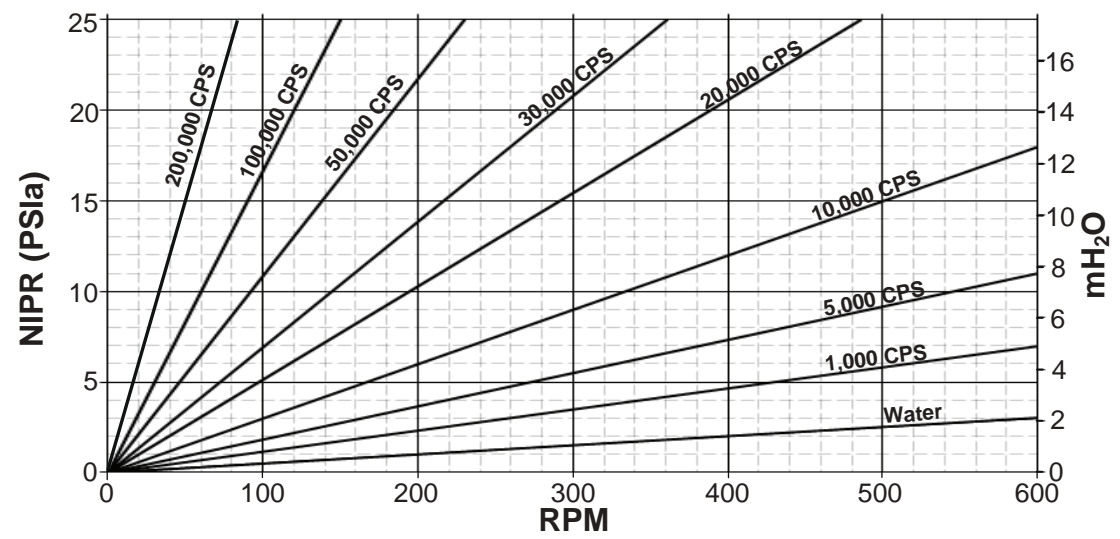
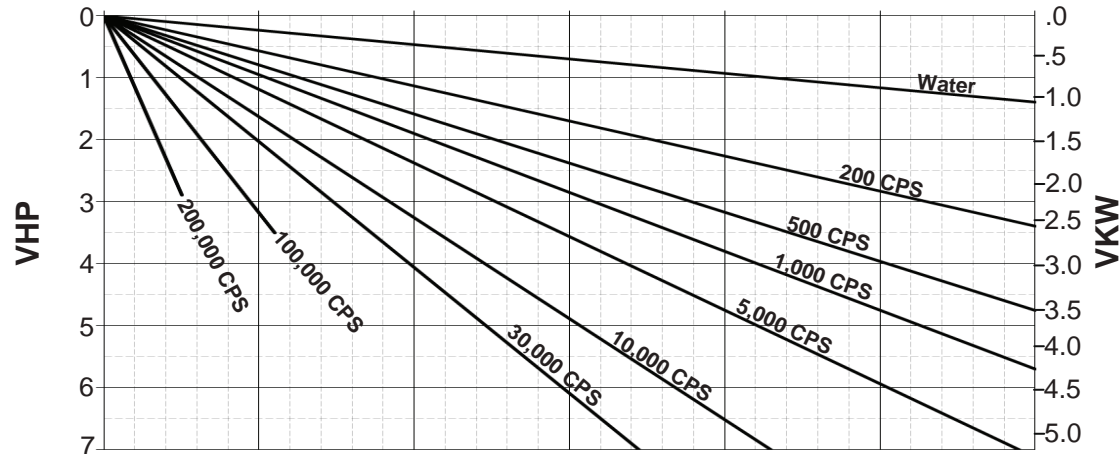
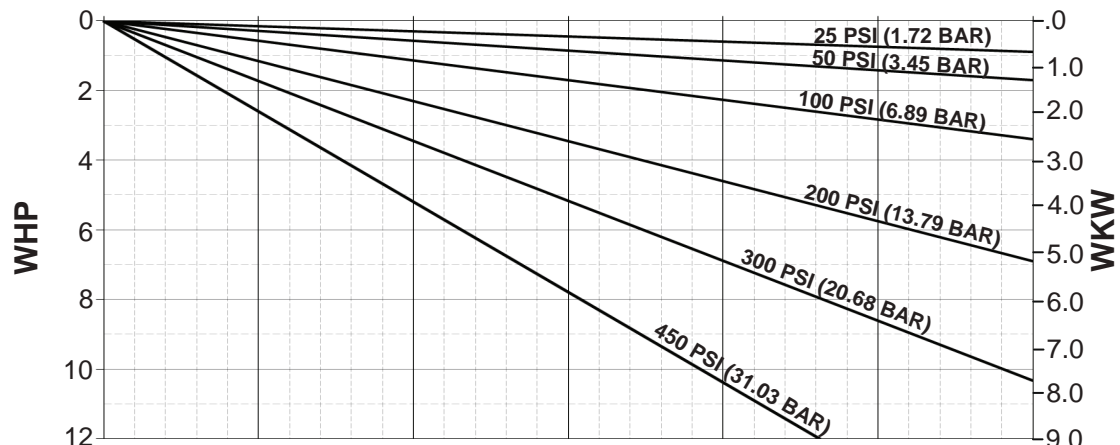
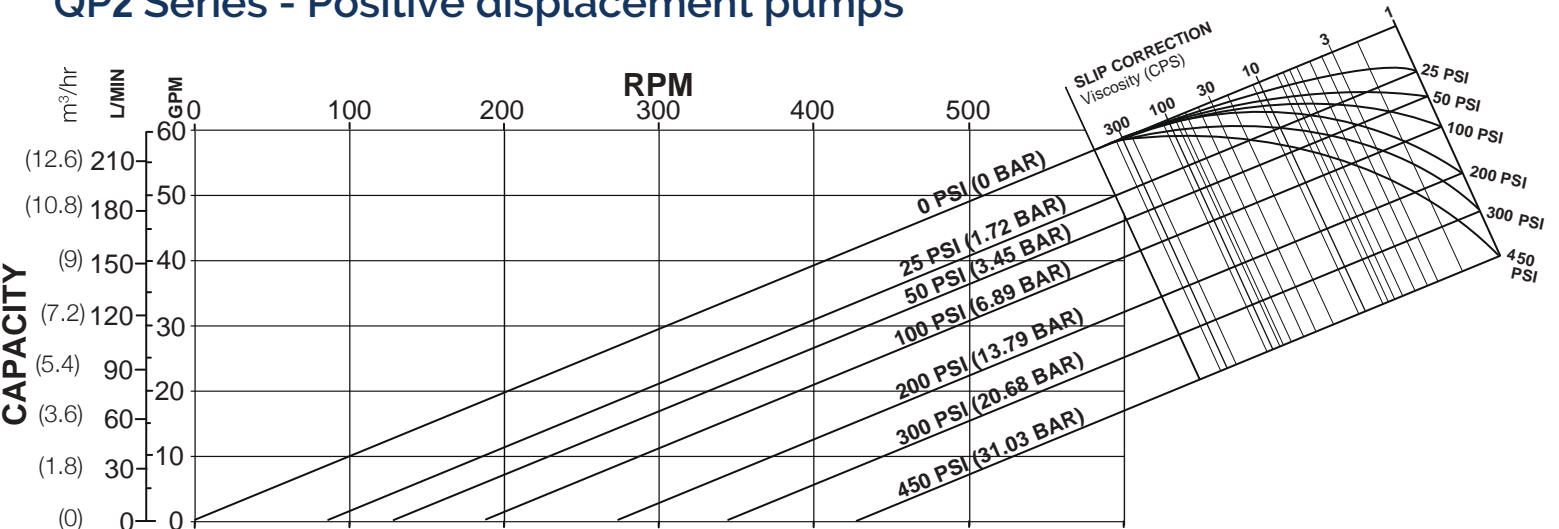
Standard Clearances
Standard Port Size = 2.0"
Displacement =
0.076Gal/Rev
(0.288 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 150 PSI (10.3 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



QP Series
Model QP2-045

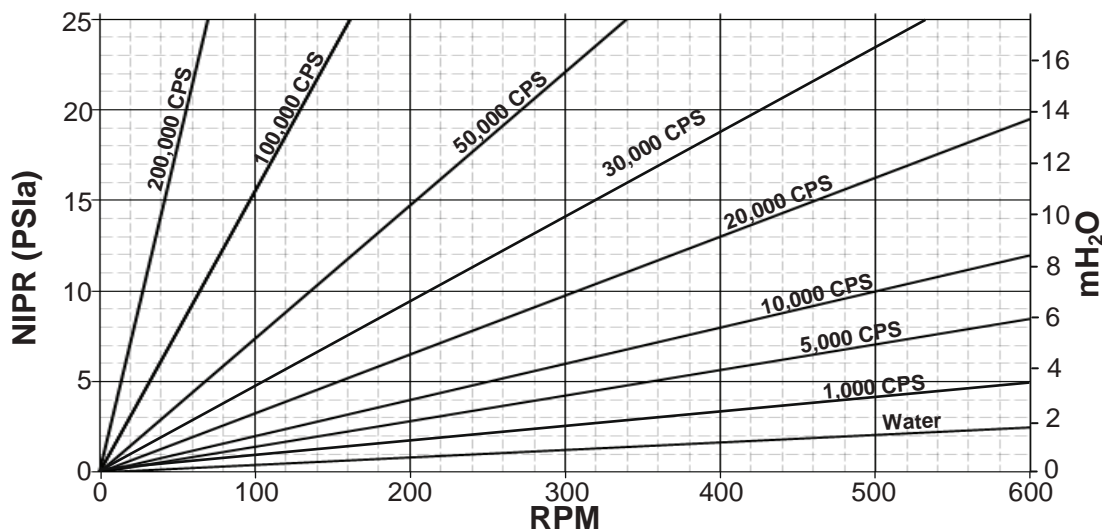
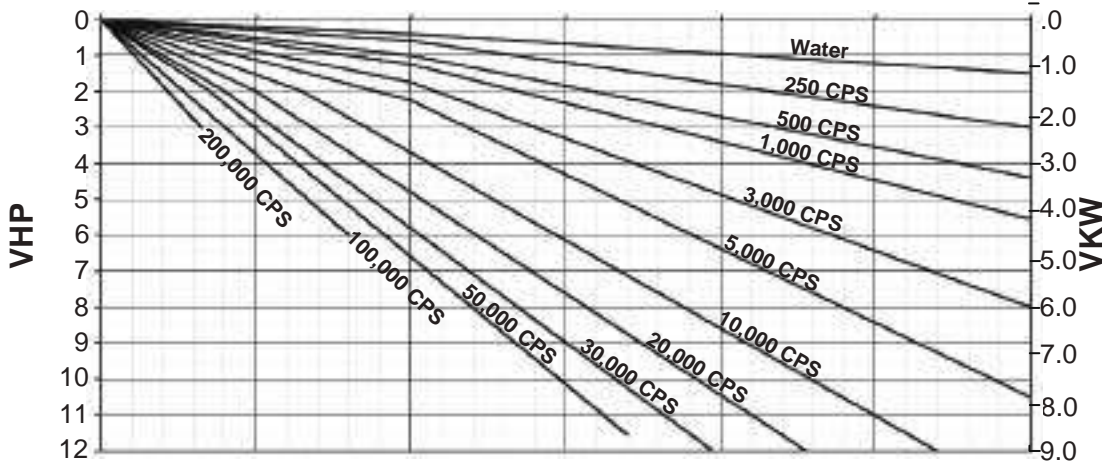
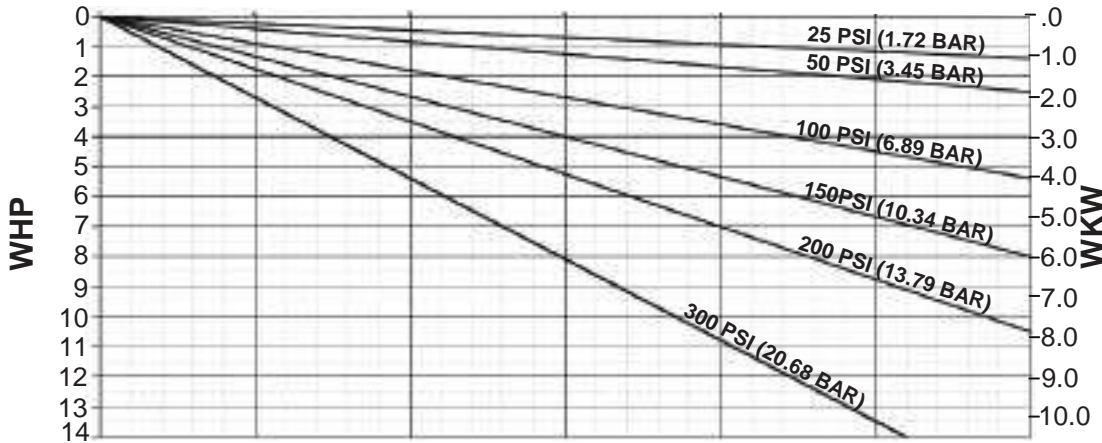
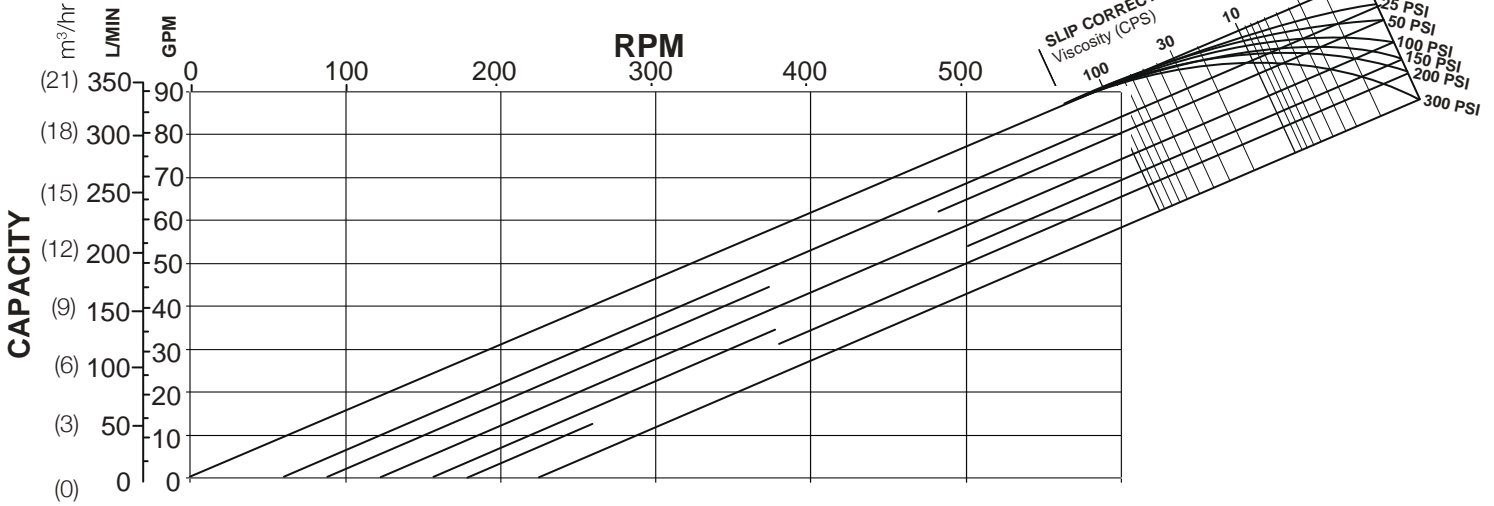
Standard Clearances
Standard Port Size = 2.0"
Displacement =
0.098 Gal/Rev
(0.371 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 450 PSI (31.0 bar) Max. Pressure
 - Temperature Range -40 °F (-40°C) to 300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



QP Series
Model QP2-060

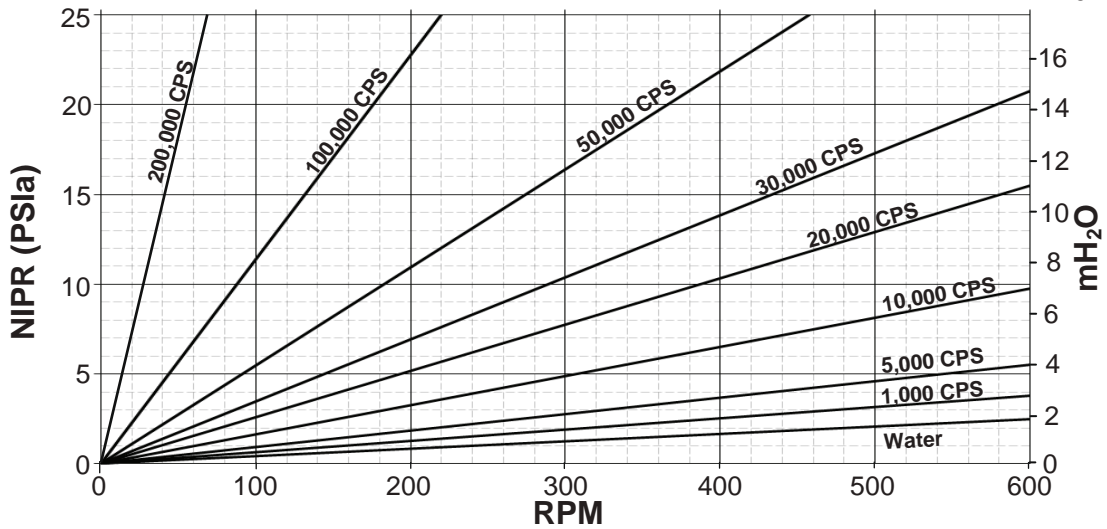
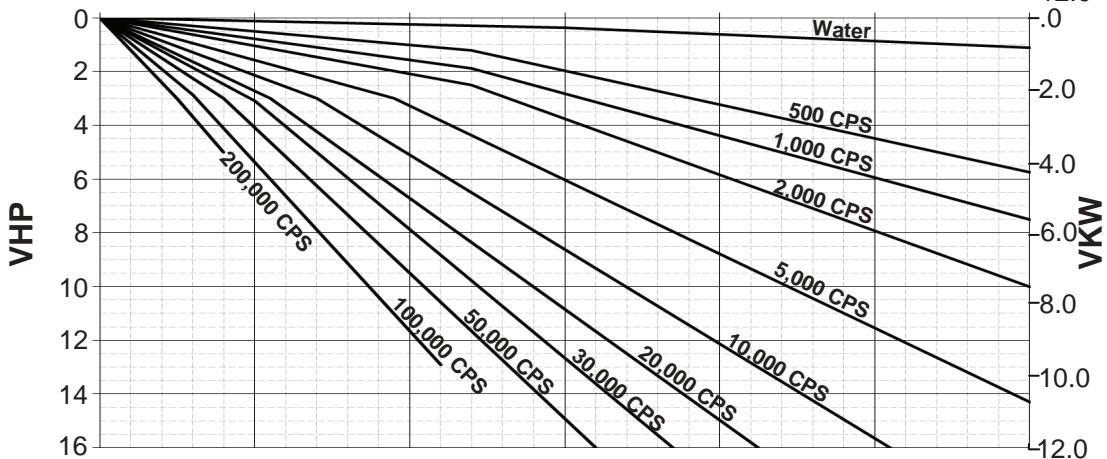
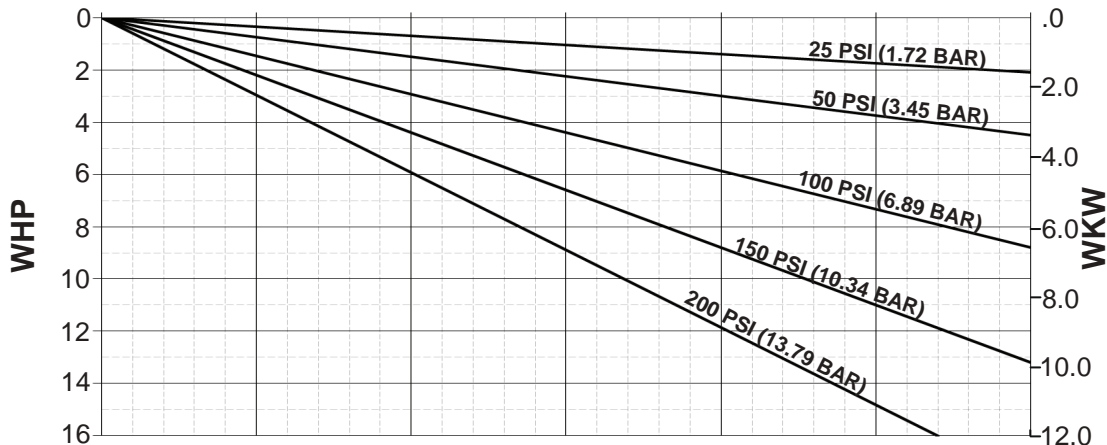
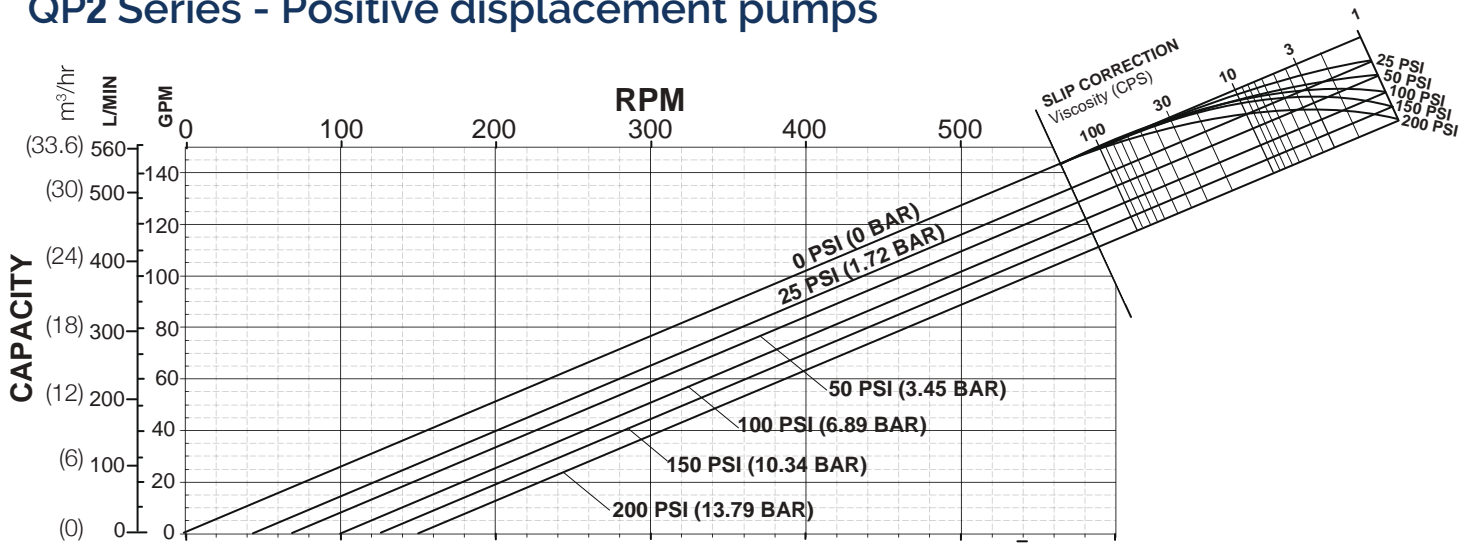
Standard Clearances
Standard Port Size = 2.5"
Displacement =
0.153 Gal/Rev
(0.579 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 300 PSI (20.7 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



QP Series
Model QP2-130

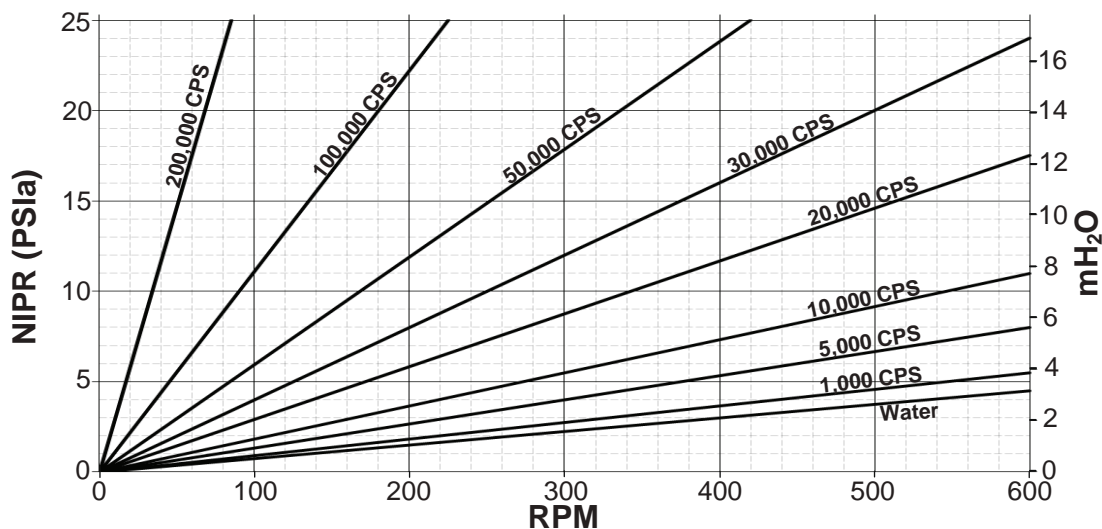
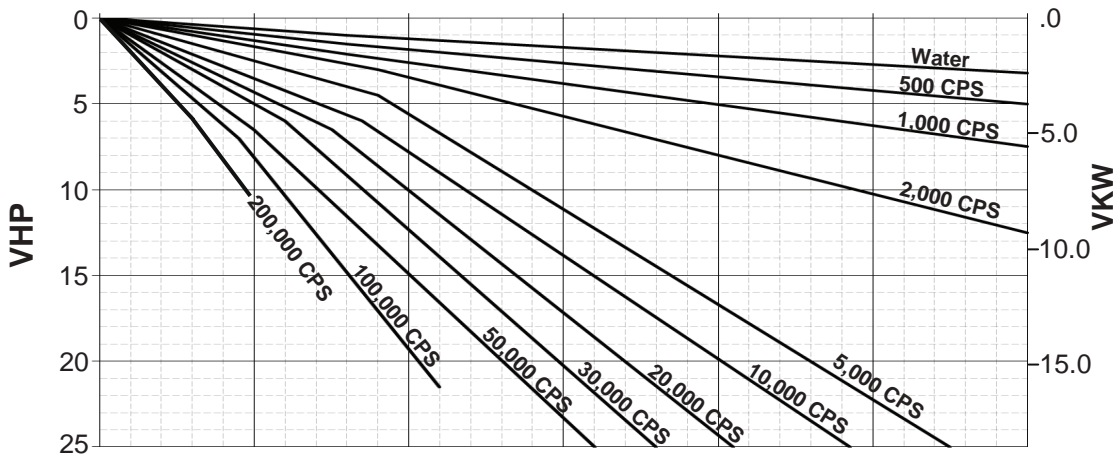
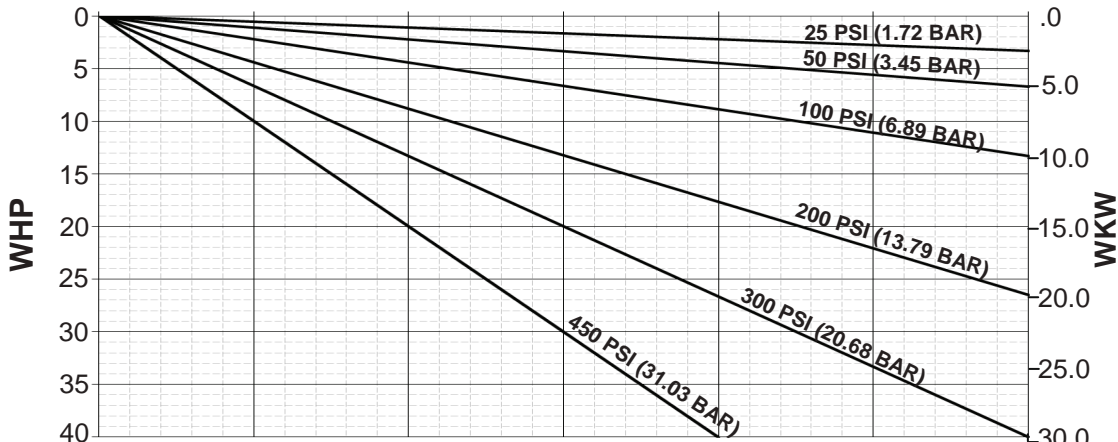
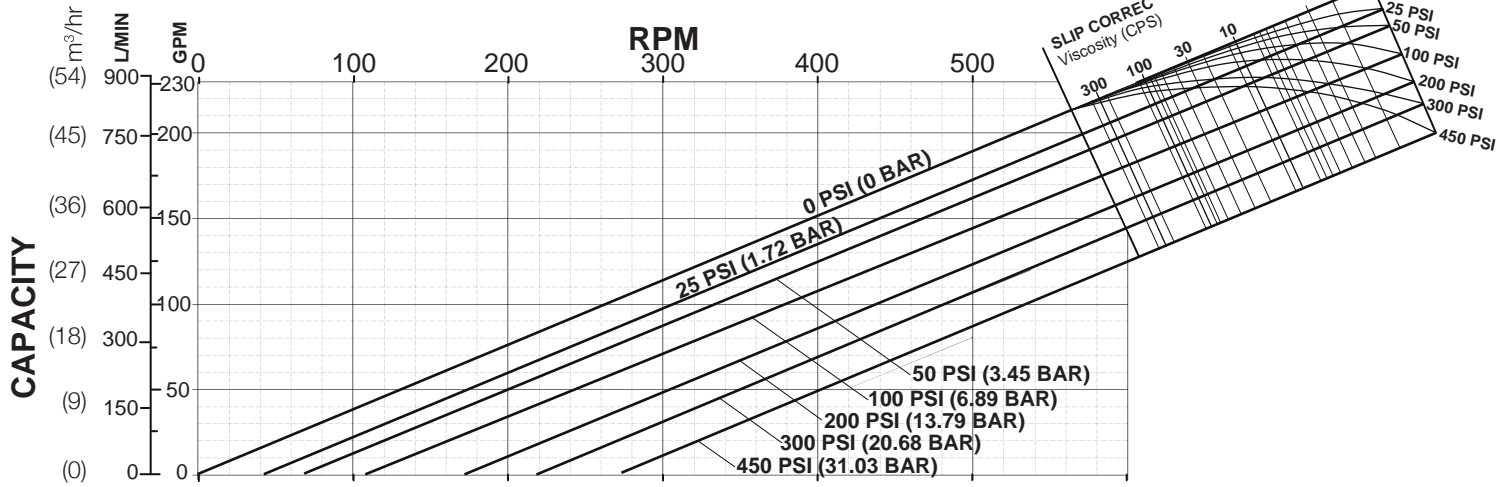
Standard Clearances
Standard Port Size = 3.0"
Displacement =
0.253 Gal/Rev
(0.958 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



QP Series
Model QP2-180

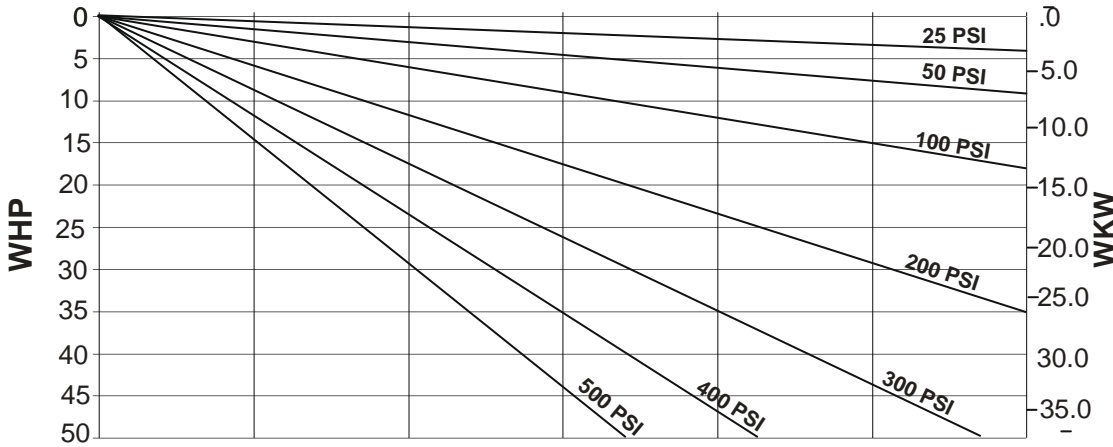
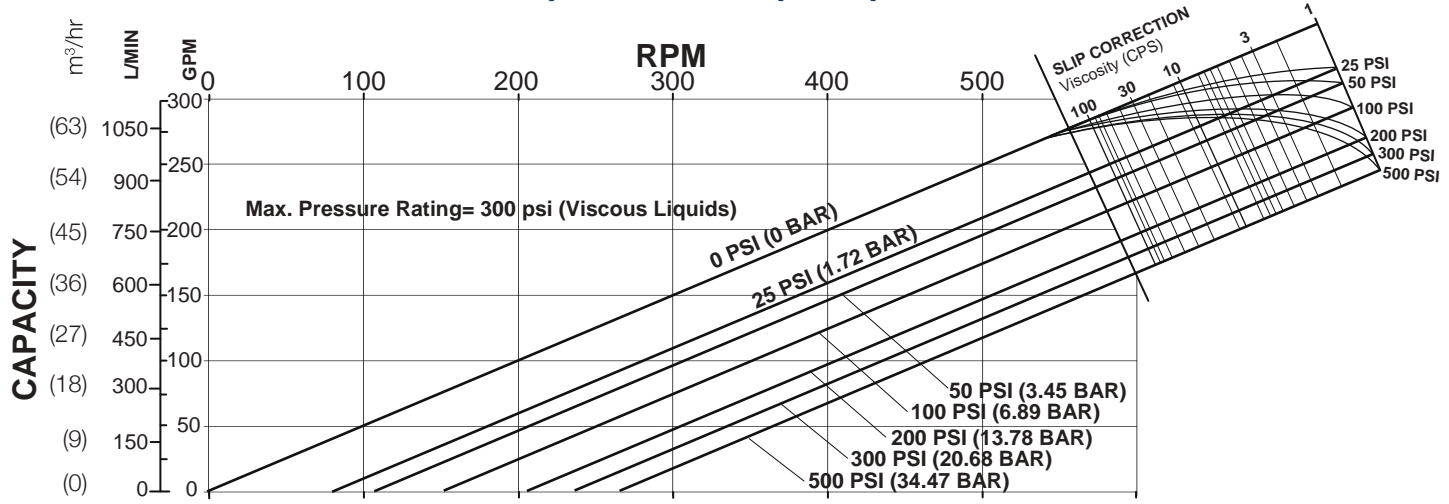
Standard Clearances
Standard Port Size = 3.0"
Displacement =
0.380 Gal/Rev
(1.438 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 450 PSI (31.0 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



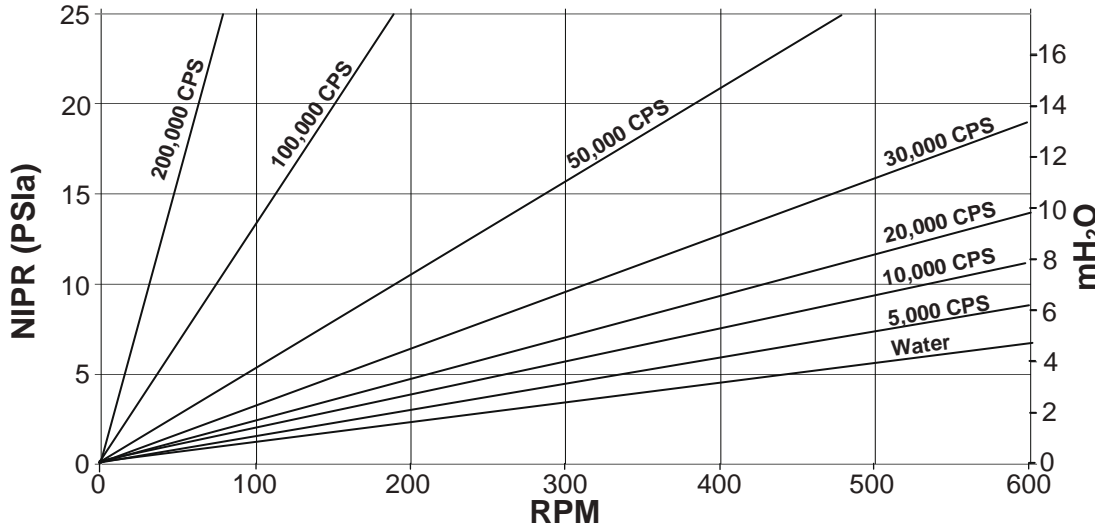
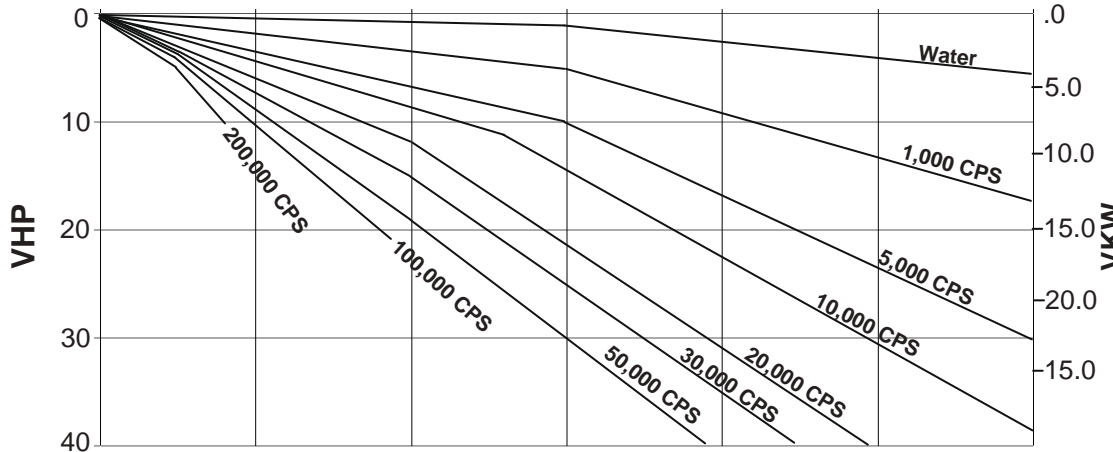
QP Series
Model QP2-210

Standard Clearances
Standard Port Size = 4.0"
Displacement =
0.502 Gal/Rev
(1.900 L/Rev)

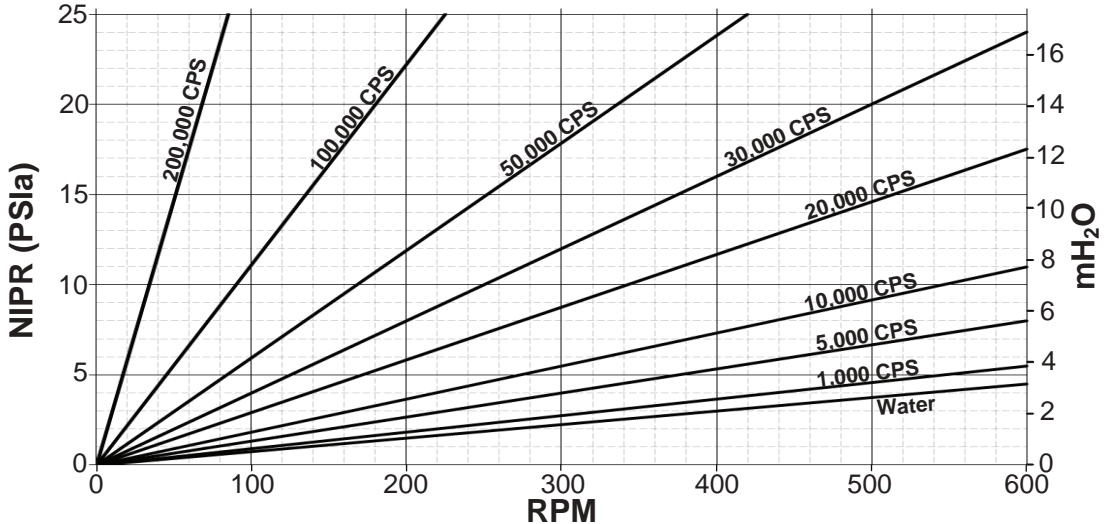
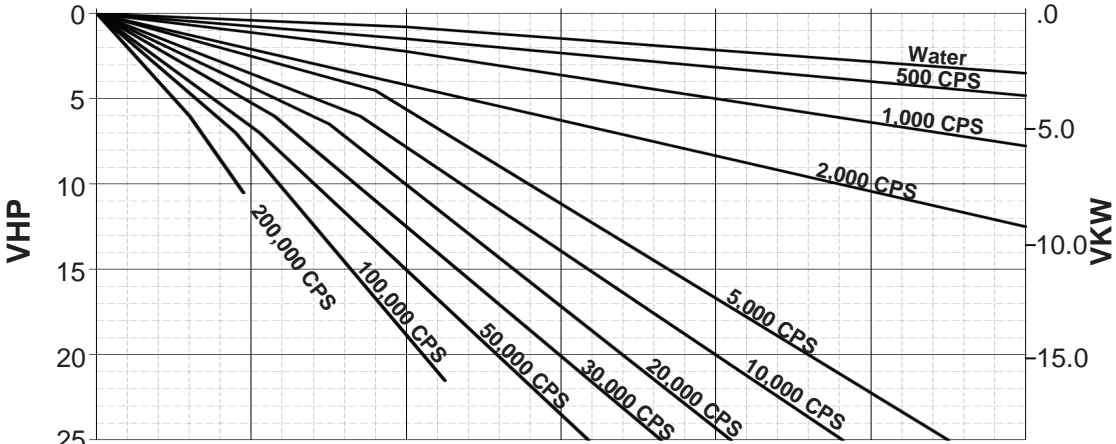
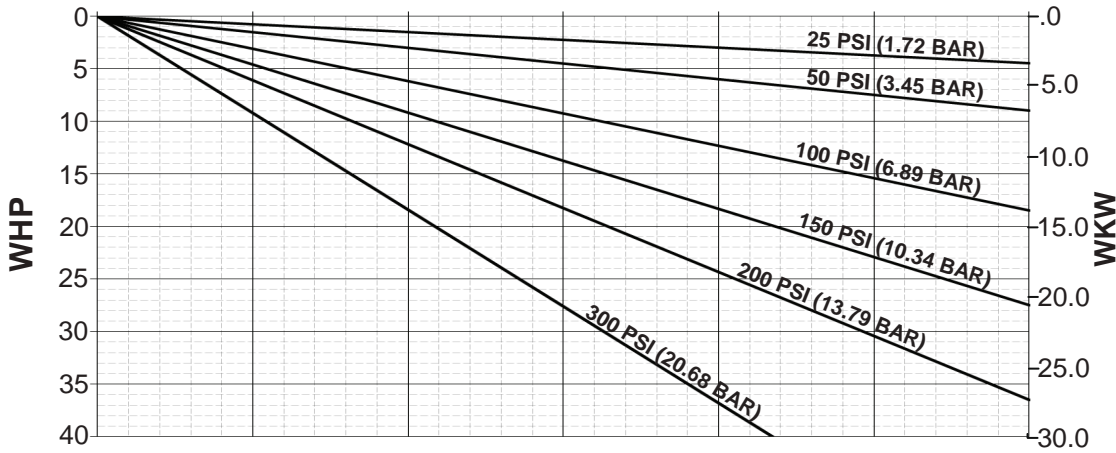
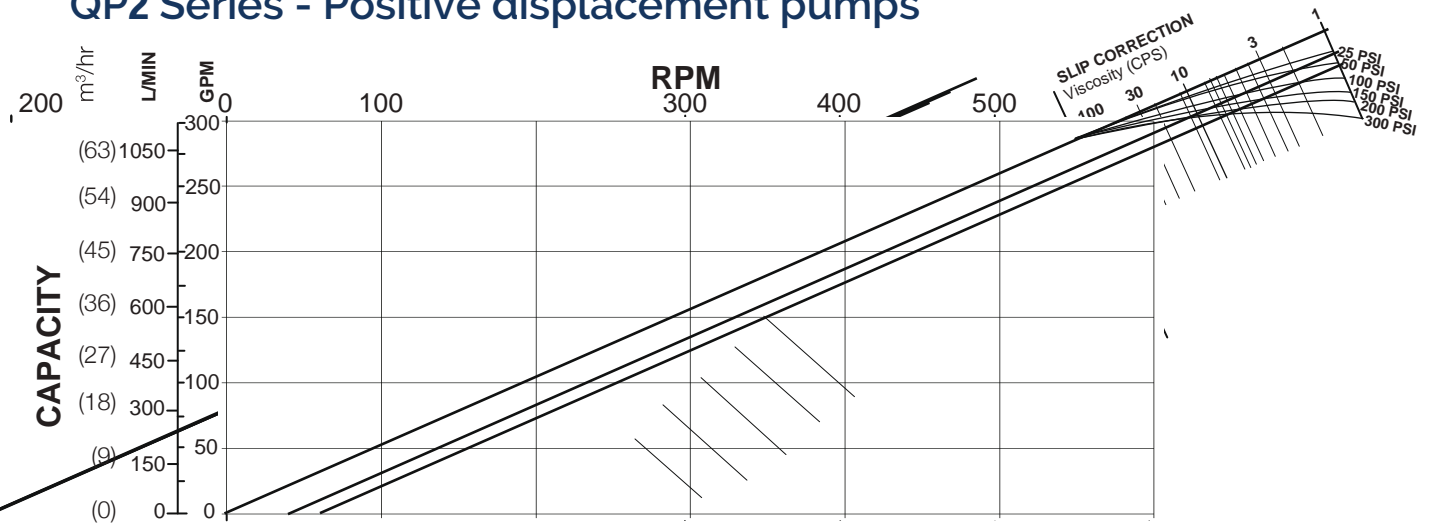
BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 500 PSI (34.48 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice



QP2 Series - Positive displacement pumps



QP Series
Model QP2- 220

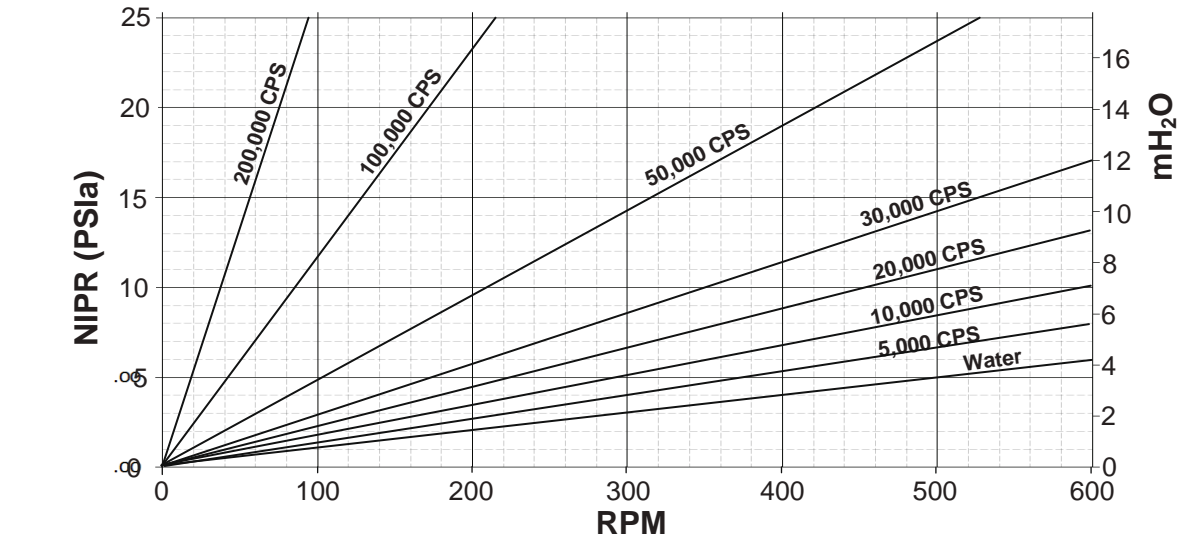
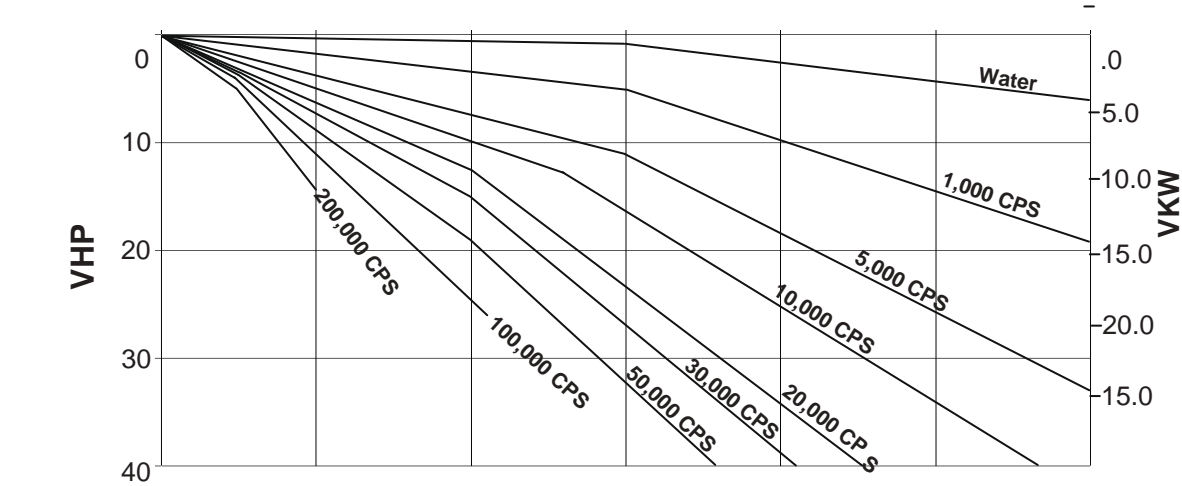
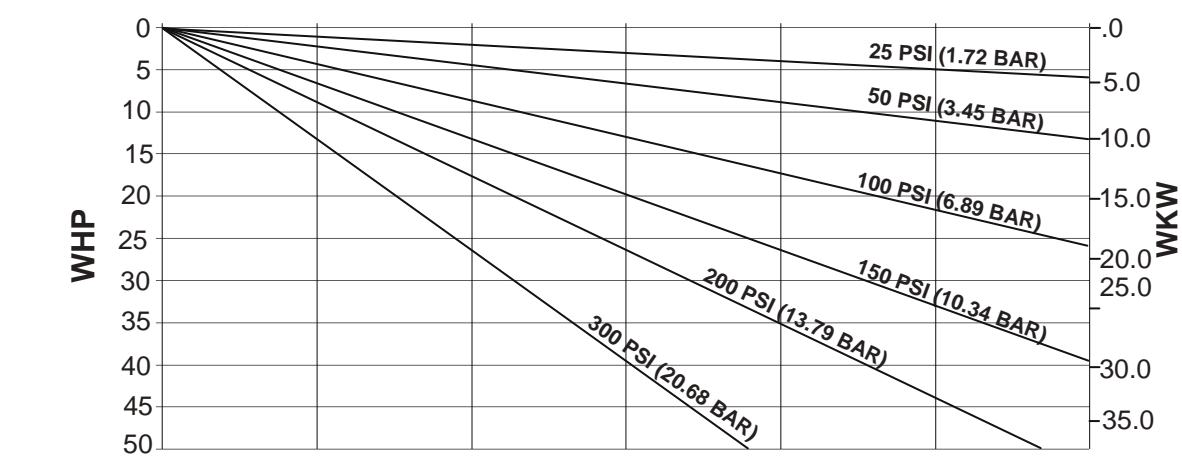
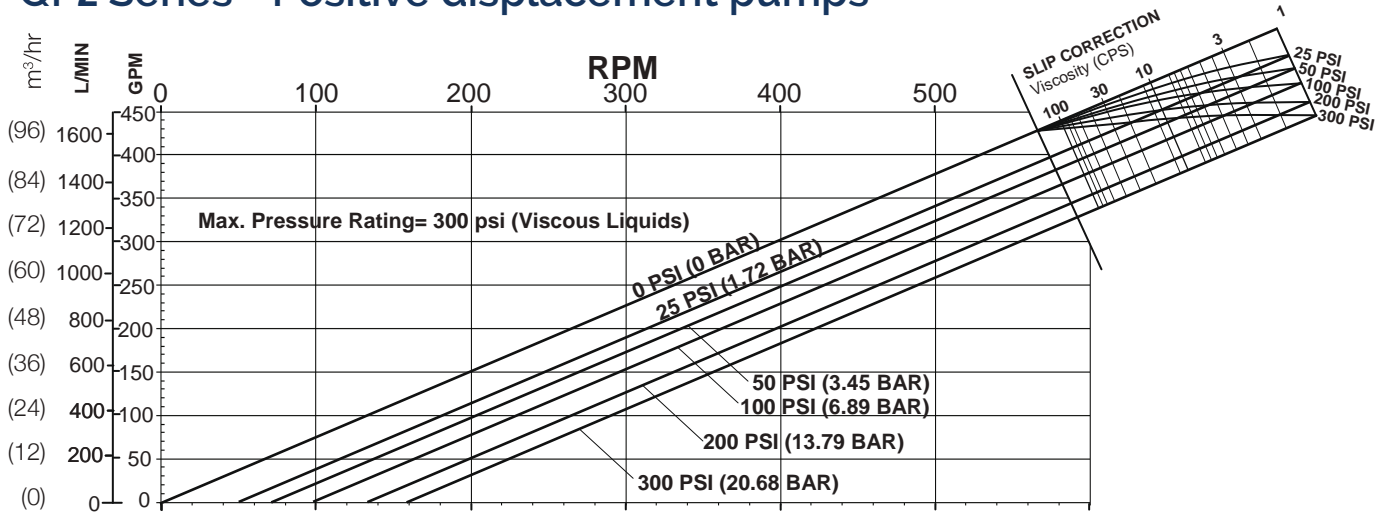
Standard Clearances
Standard Port Size = 4.0"
Displacement =
0.521 Gal/Rev
(1.972 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 300 PSI (20.68 bar) Max. Pressure
 - Temperature Range -40 °F (-40°C) to 300 °F (149°C)

Subject to change without notice

QP2 Series - Positive displacement pumps



QP Series
Model QP2-320

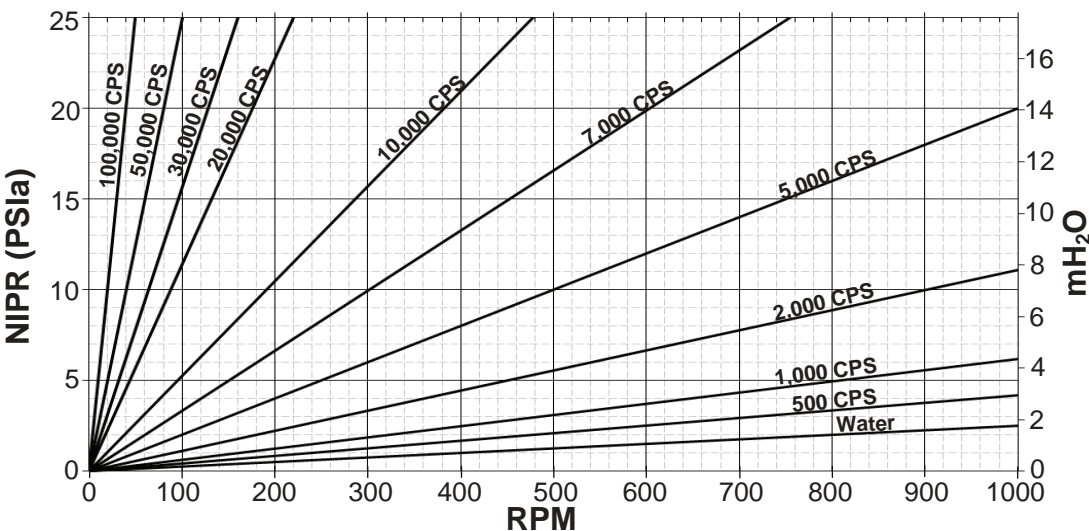
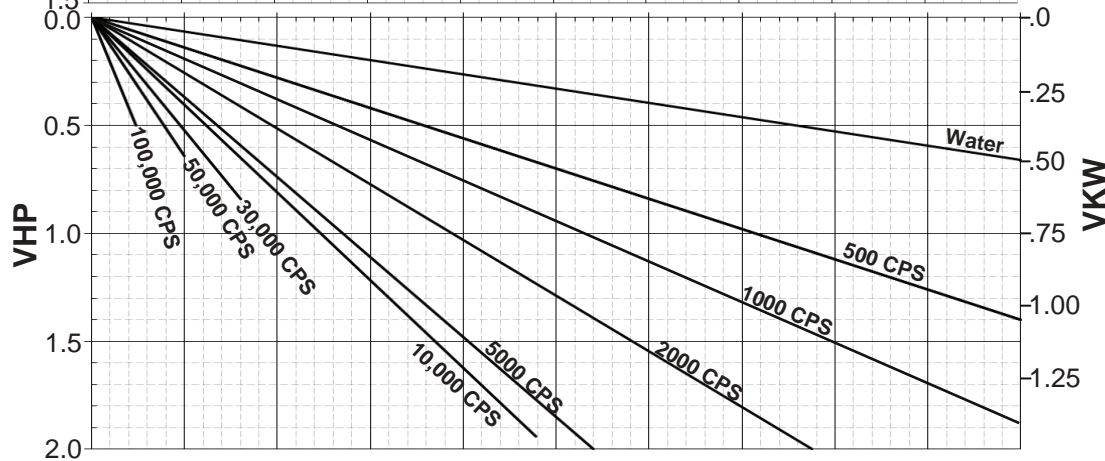
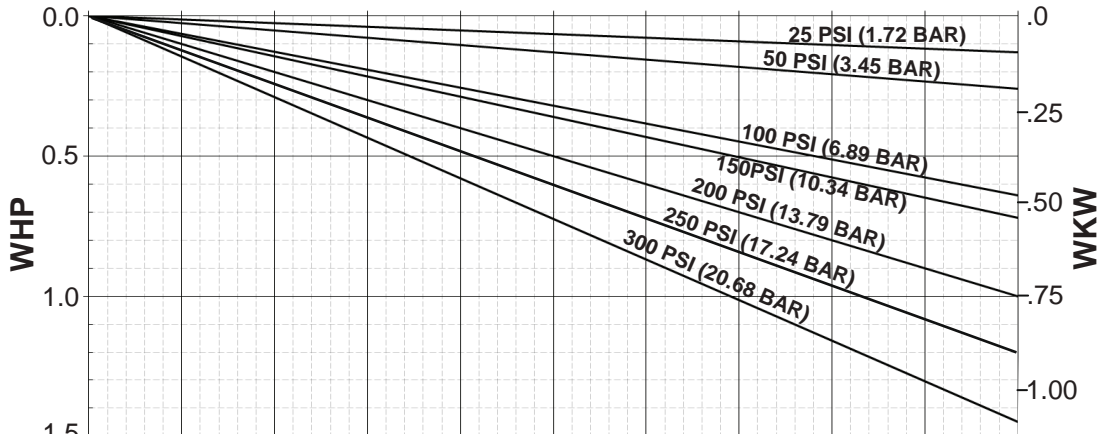
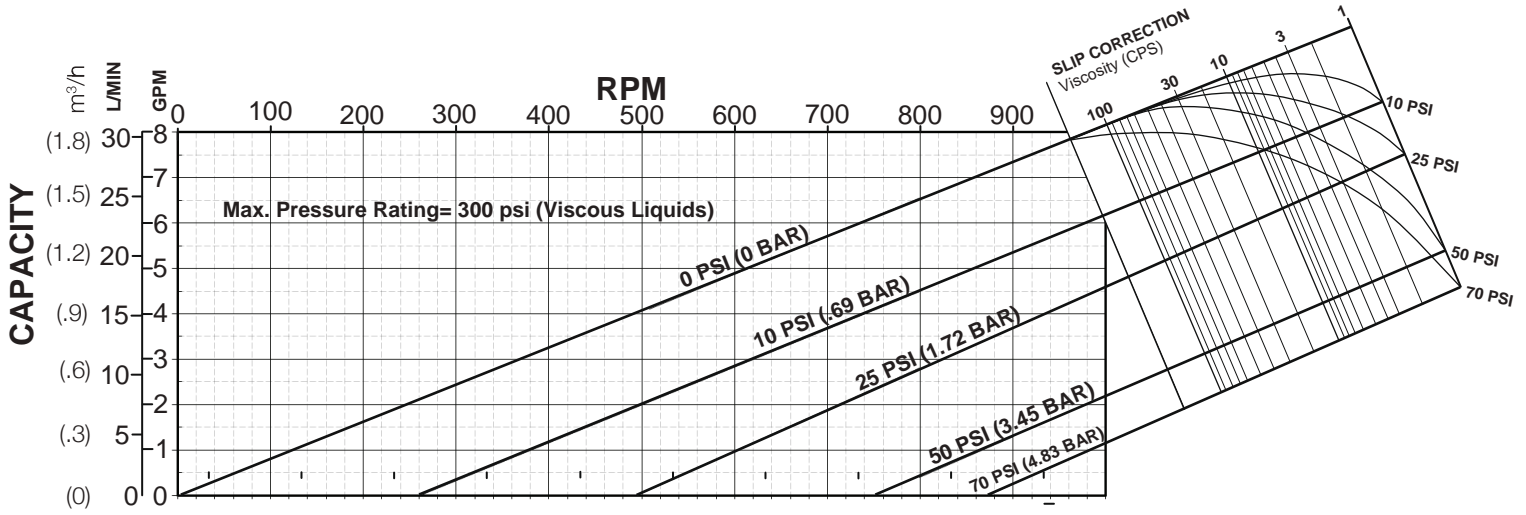
Standard Clearances
Standard Port Size = 6.0"
Displacement =
0.720 Gal/Rev
(2.725 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 300 PSI (20.68 bar) Max. Pressure
 - Temperature Range -40 °F (-40°C) to 300 °F (149°C)

Subject to change without notice

QP3 Series - Positive displacement pumps



QP Series
Model QP3-006

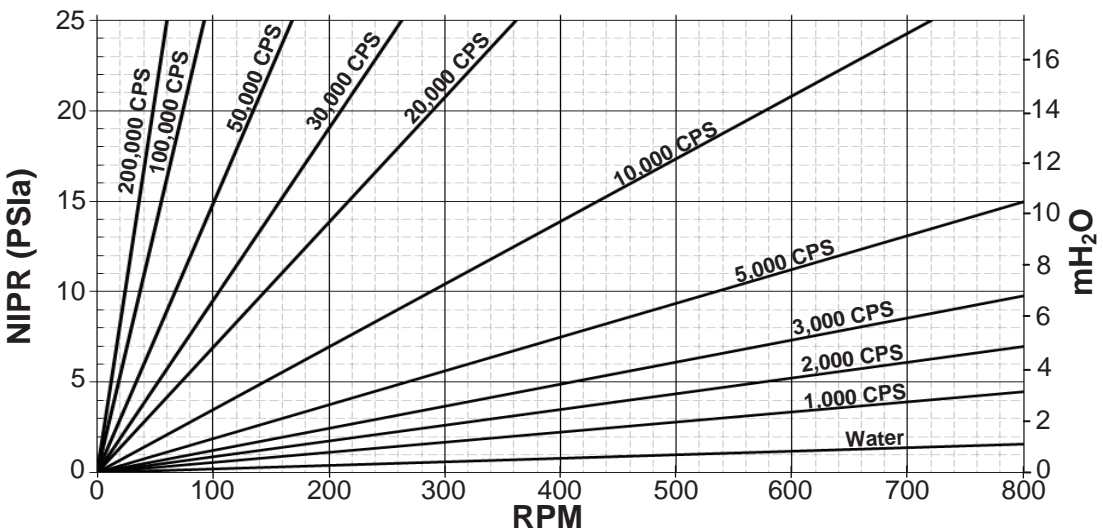
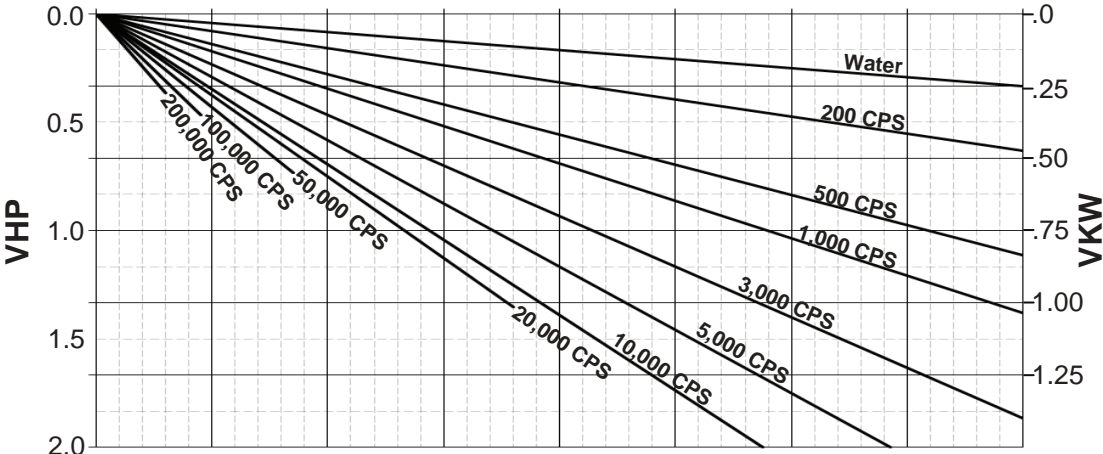
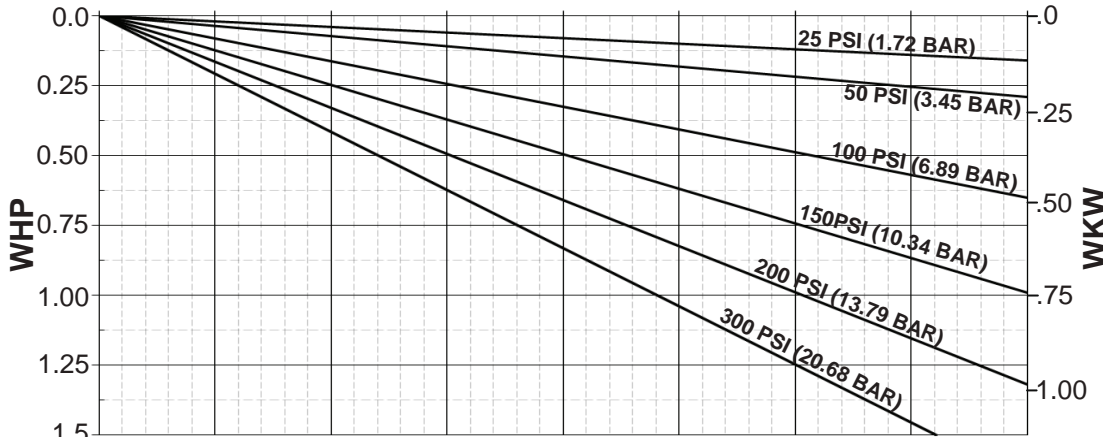
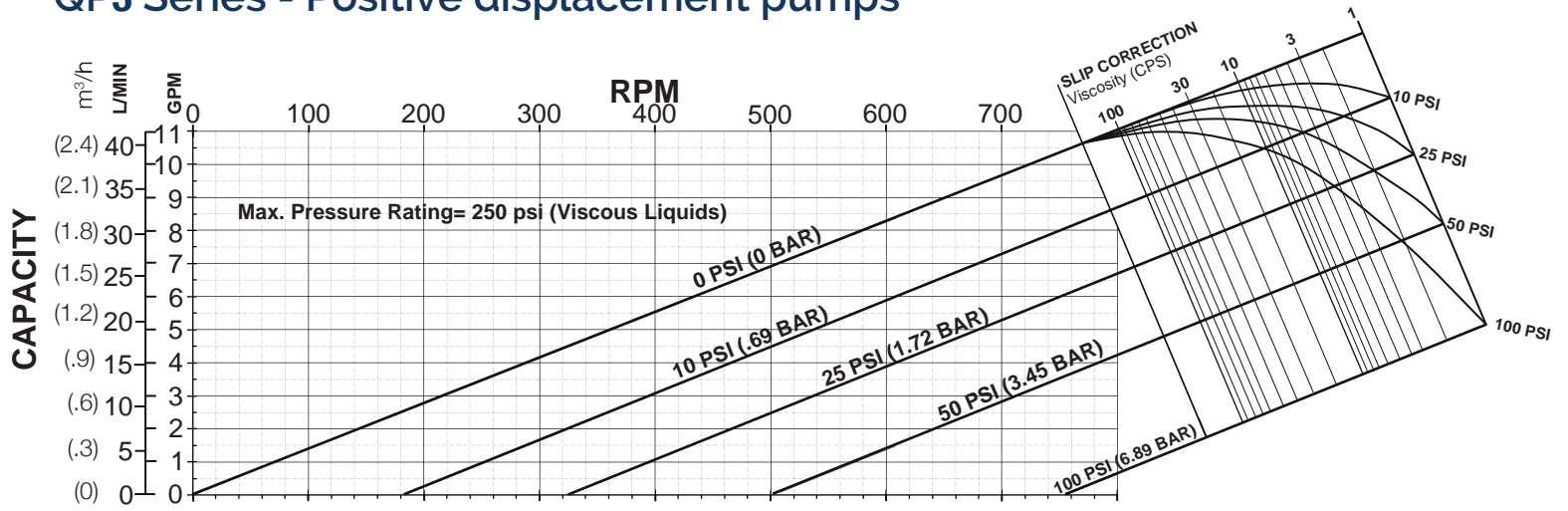
Standard Clearances
Standard Port Size = 1.0"
Displacement =
0.008 Gal/Rev
(0.030 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-1000 RPM Range
 - 300 PSI (20.7 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP3 Series - Positive displacement pumps



QP Series
Model QP3-015

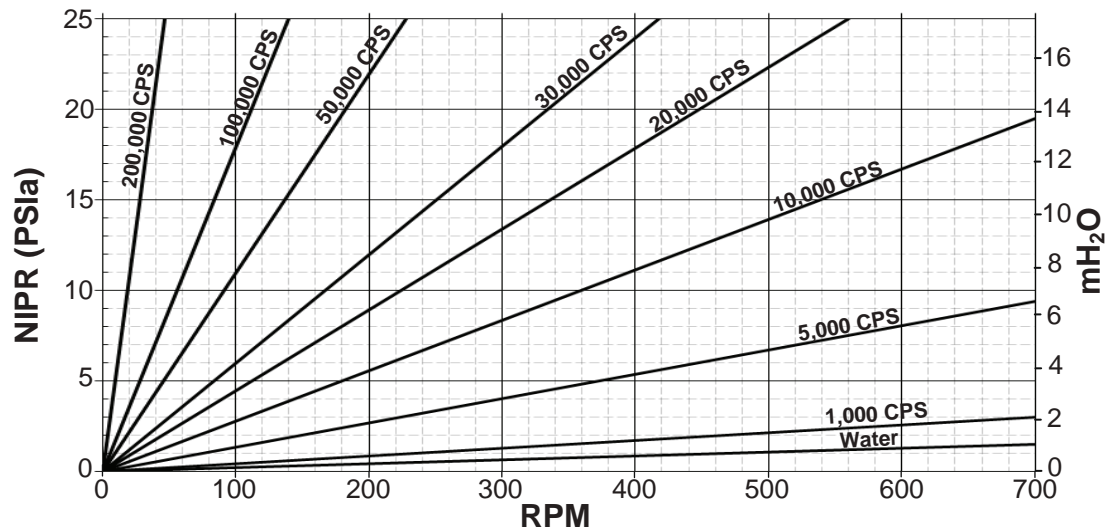
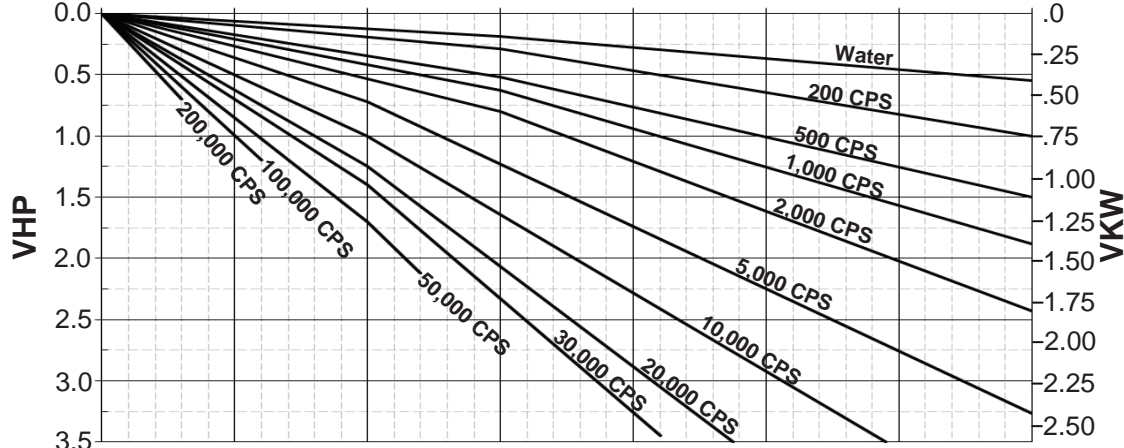
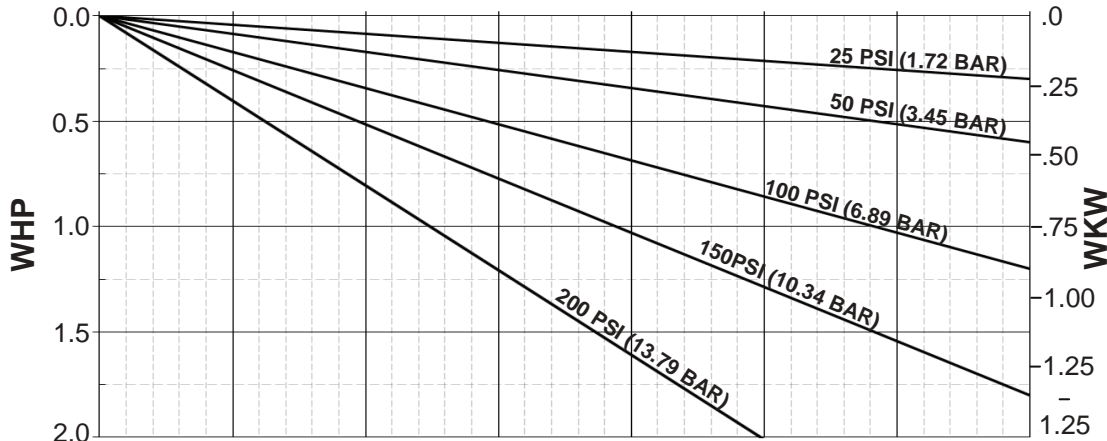
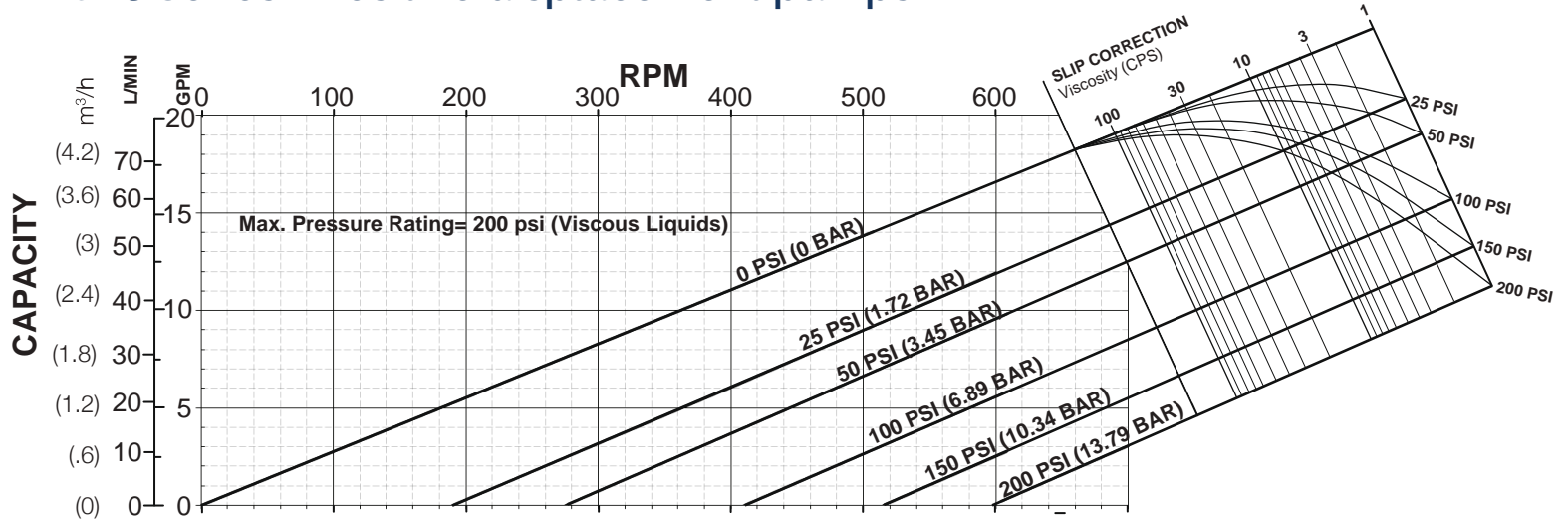
Standard Clearances
Standard Port Size = 1.5"
Displacement =
0.014 Gal/Rev
(0.054 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-800 RPM Range
 - 250 PSI (17.2 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP3 Series - Positive displacement pumps



QP Series
Model QP3-018

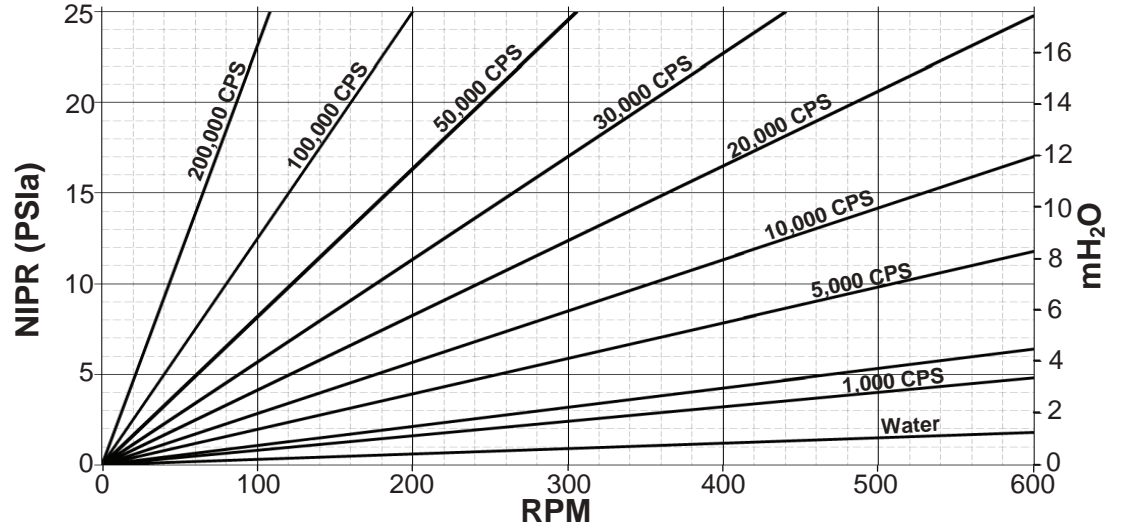
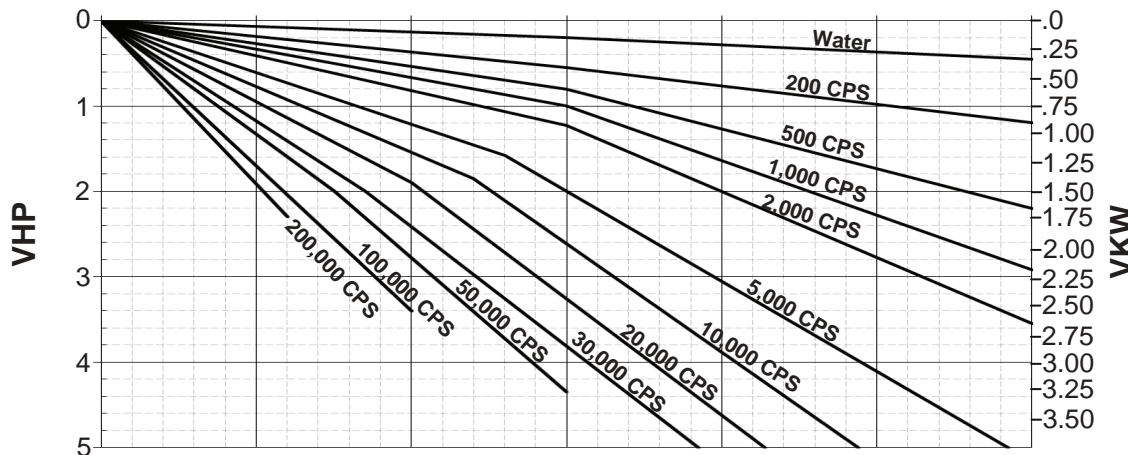
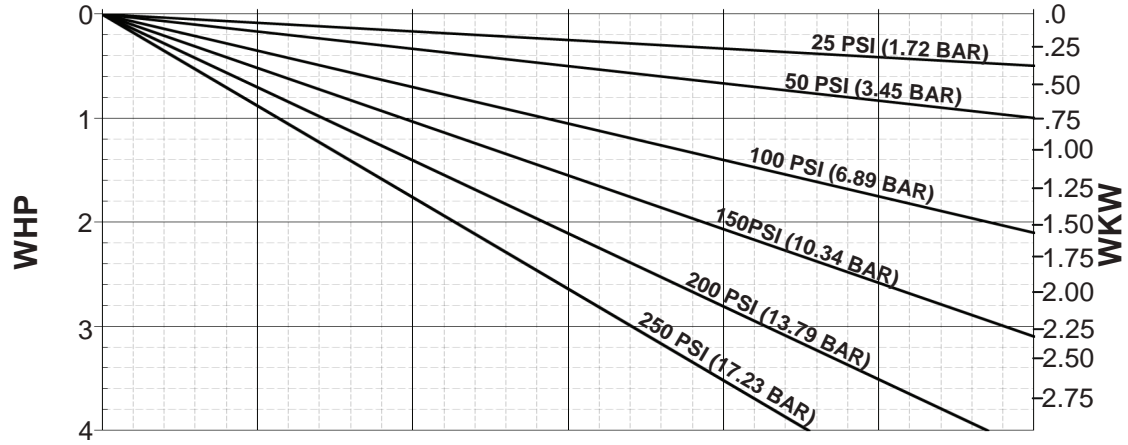
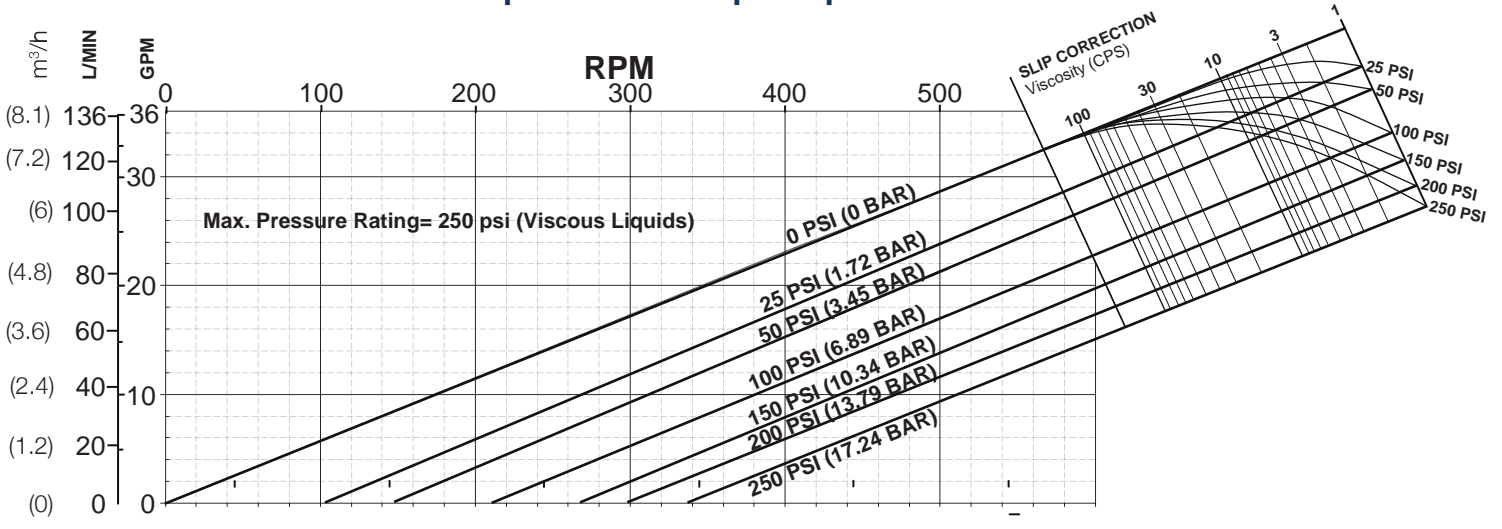
Standard Clearances
Standard Port Size = 1.5"
Displacement =
0.029 Gal/Rev
(0.108 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-700 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range -40 °F (-40°C) to 300 °F (149°C)

Subject to change without notice

QP3 Series - Positive displacement pumps



QP Series
Model QP3-030

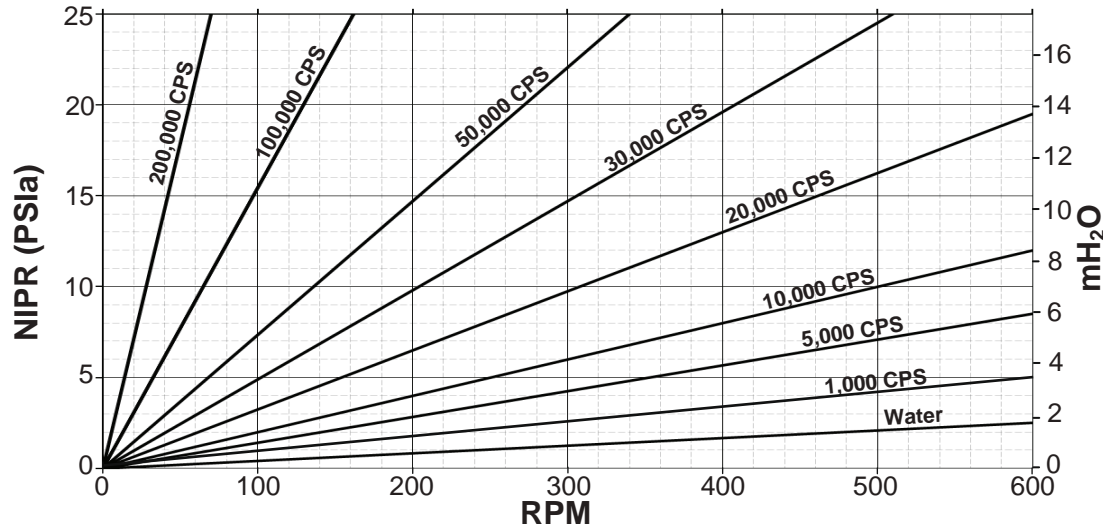
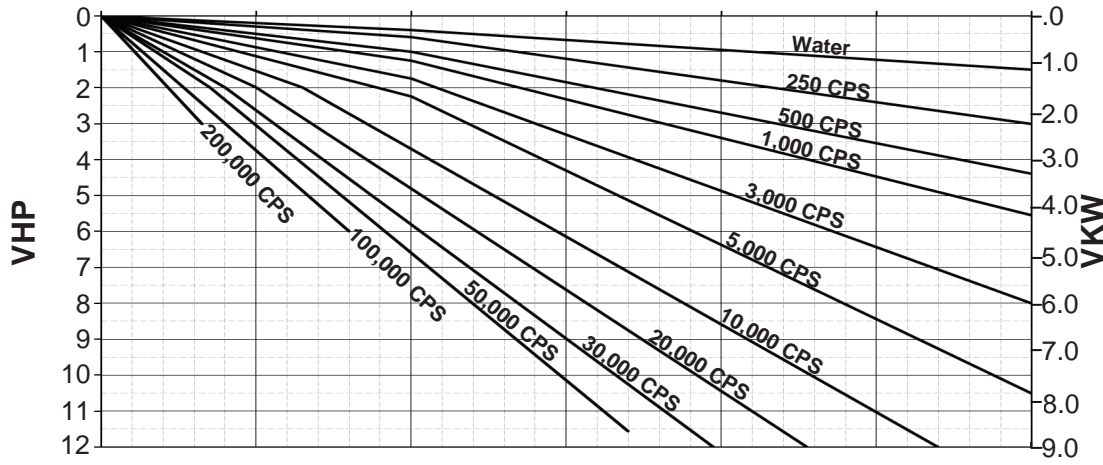
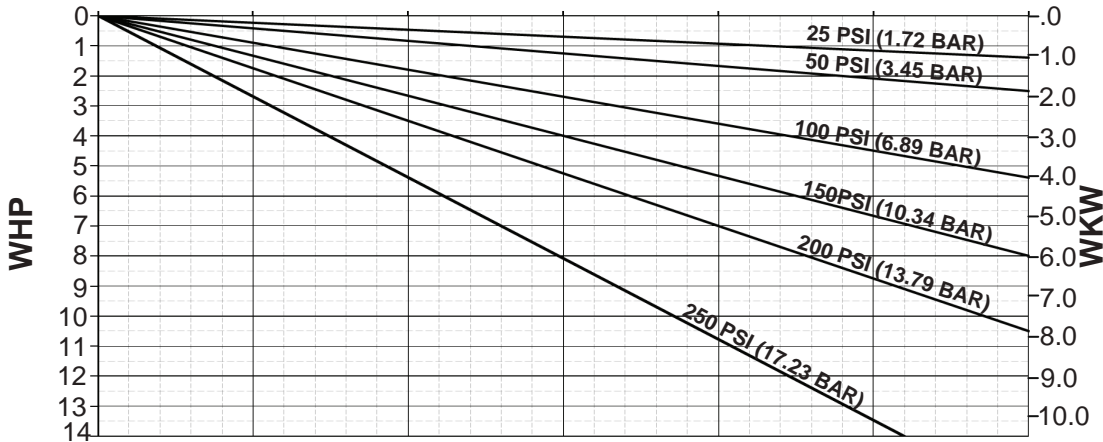
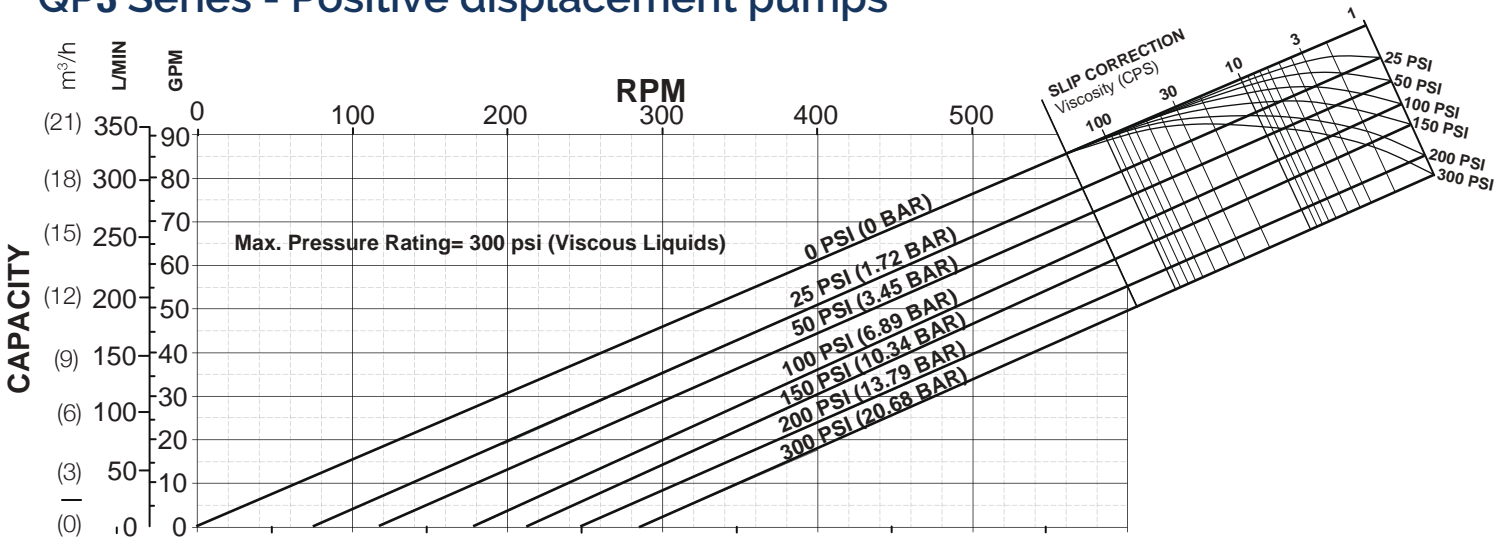
Standard Clearances
Standard Port Size = 1.5"
Displacement =
0.060 Gal/Rev
(0.227 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 250 PSI (17.2 bar) Max. Pressure
 - Temperature Range -40 °F (-40°C) to 300 °F (149°C)

Subject to change without notice

QP3 Series - Positive displacement pumps



QP Series
Model QP3-060

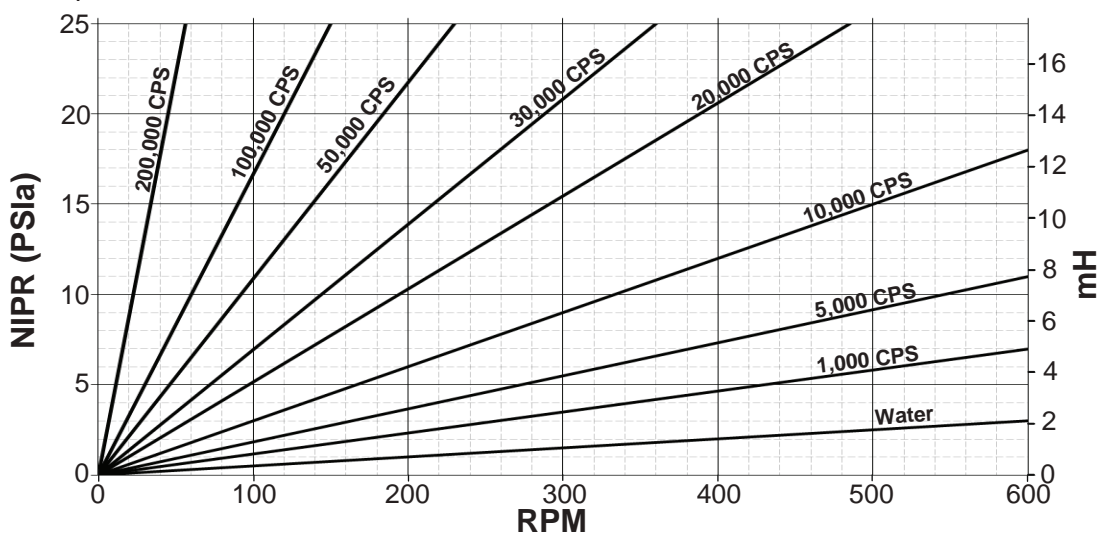
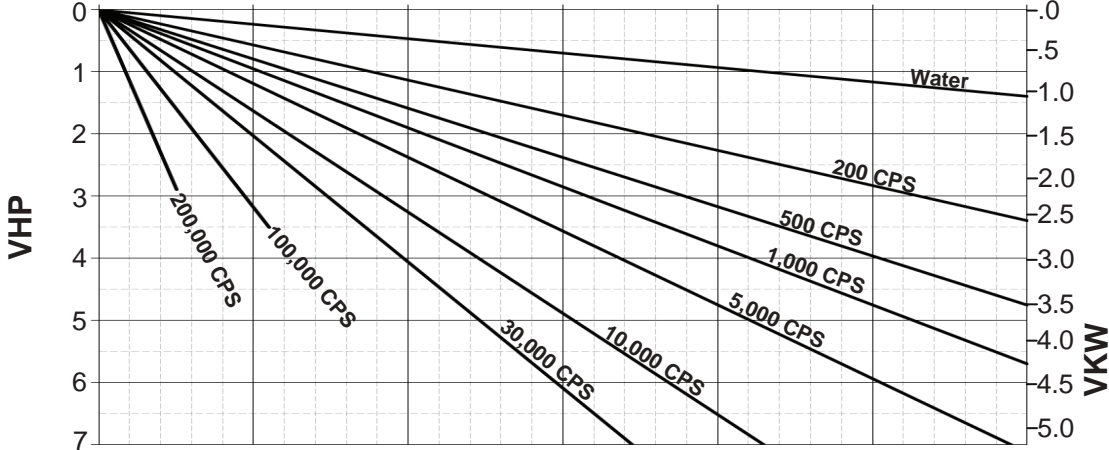
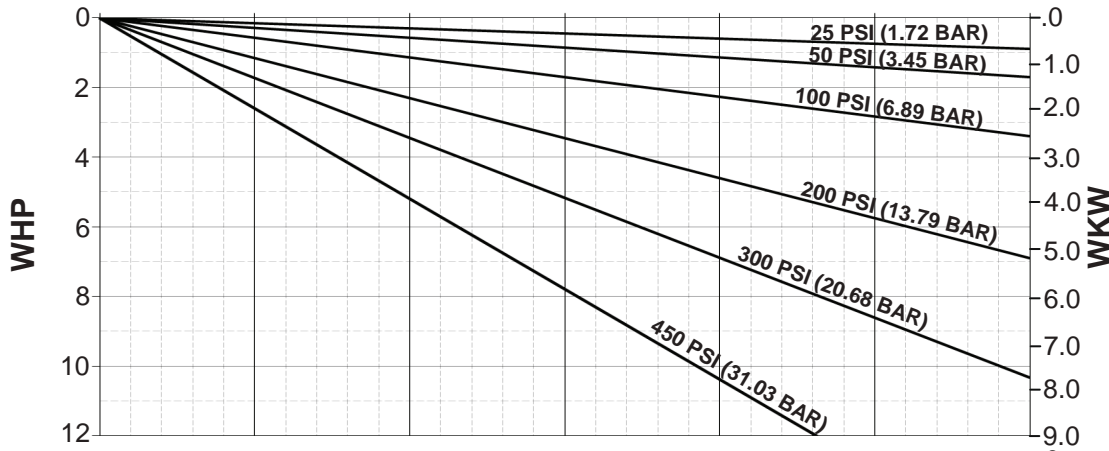
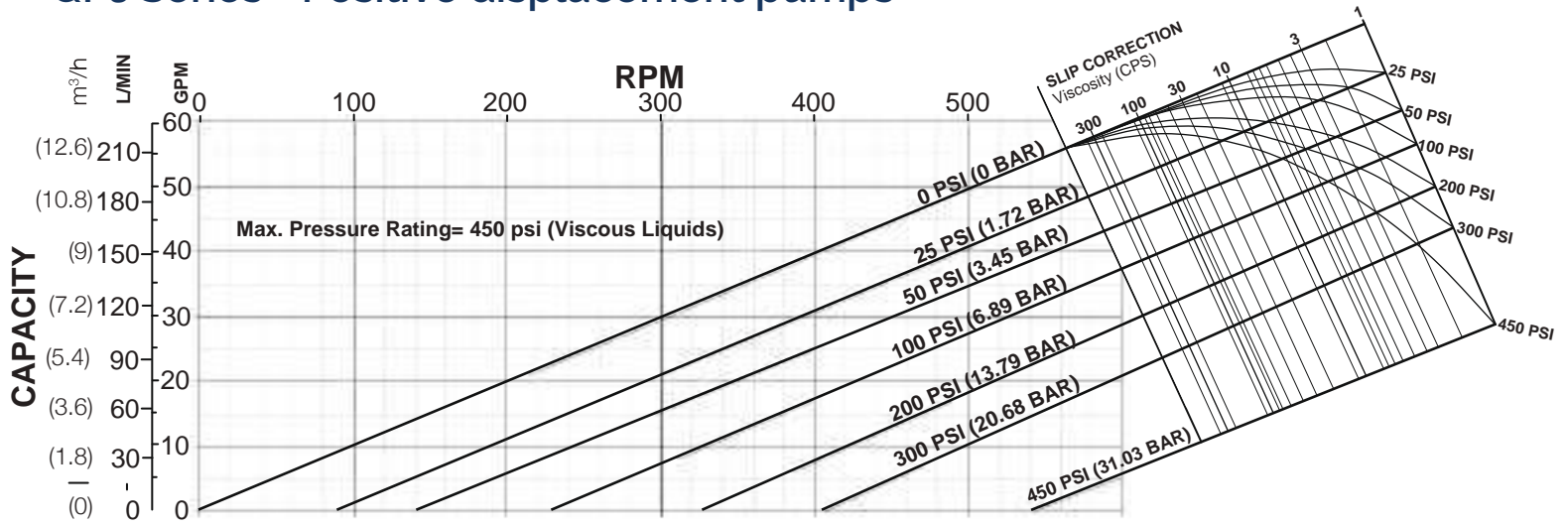
Standard Clearances
Standard Port Size = 2.5"
Displacement =
0.153 Gal/Rev
(0.579 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 300 PSI (20.7 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP3 Series - Positive displacement pumps



QP Series
Model QP3-045

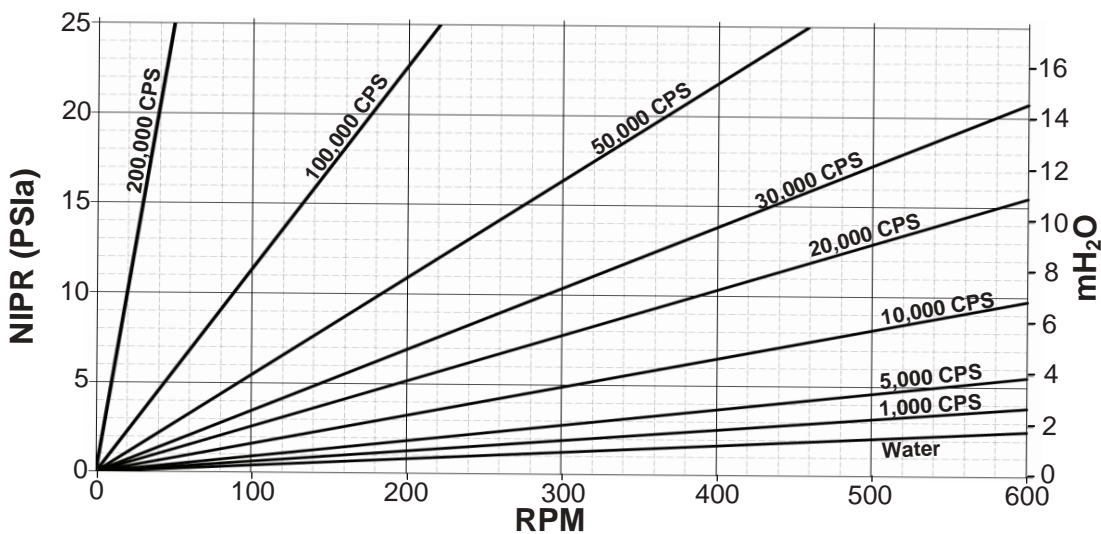
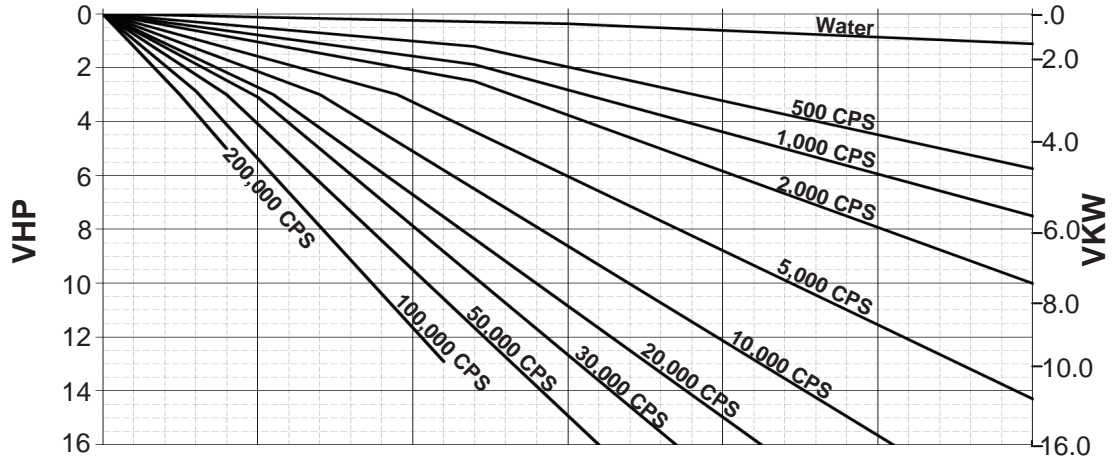
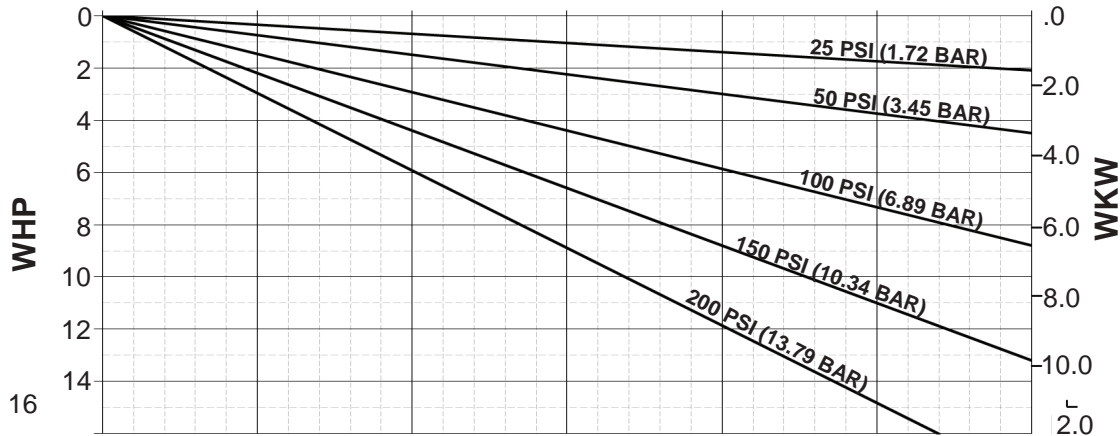
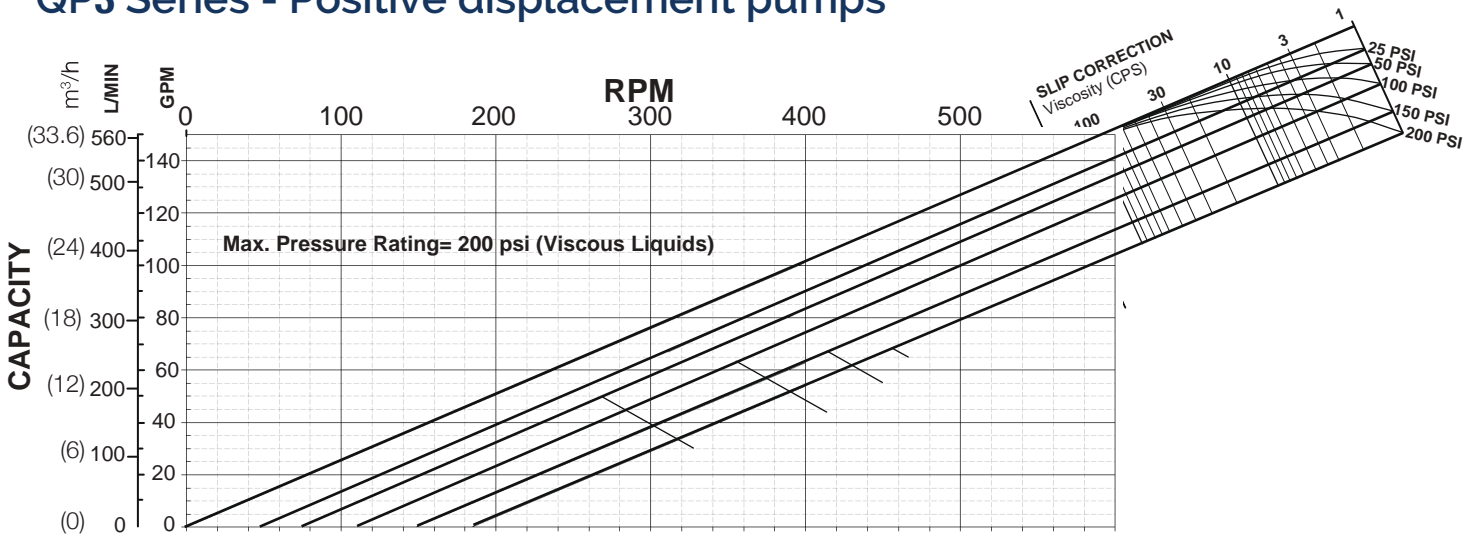
Standard Clearances
Standard Port Size = 2.0"
Displacement =
0.098 Gal/Rev
(0.371 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 450 PSI (31.0 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP3 Series - Positive displacement pumps



QP Series
Model QP3-130

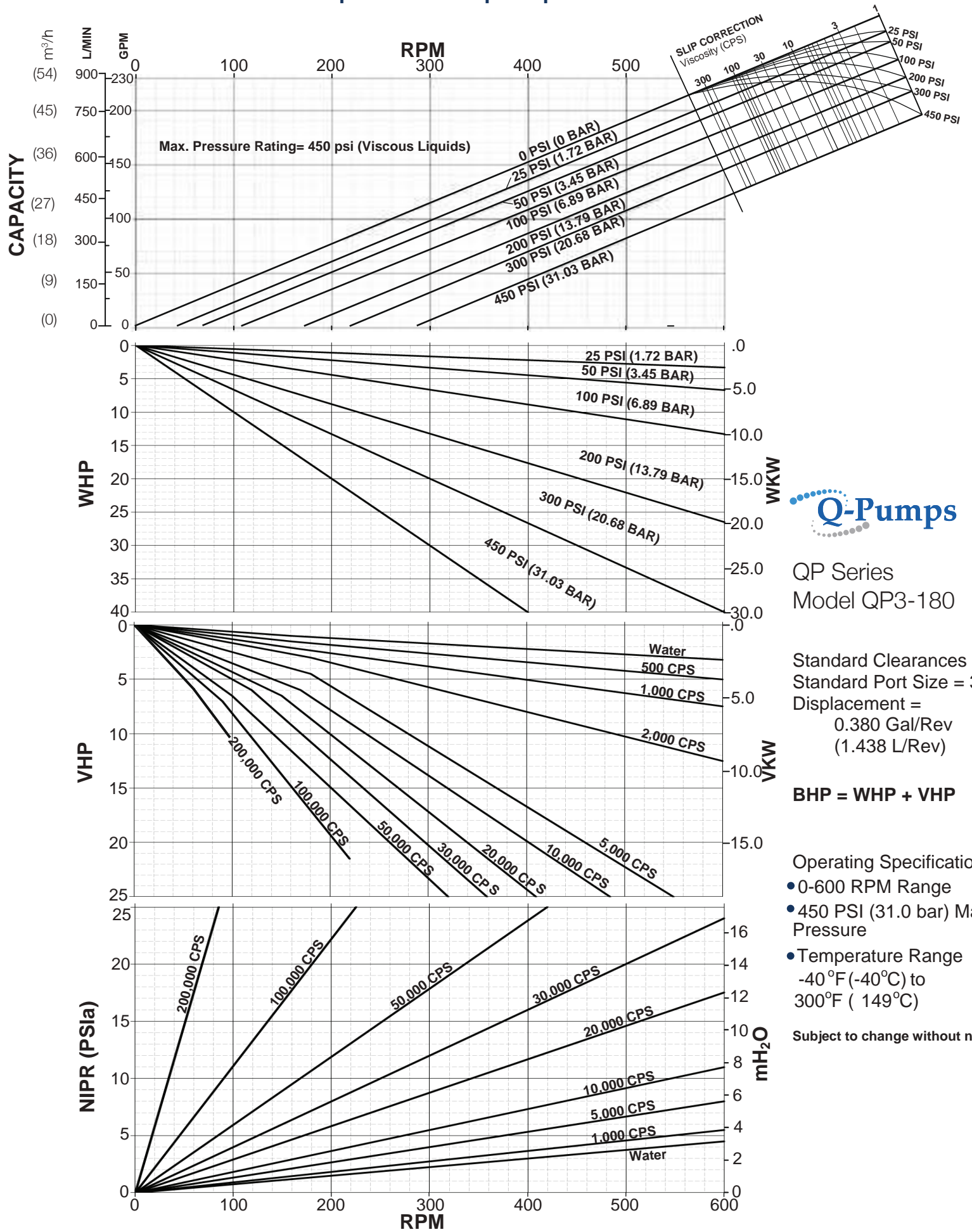
Standard Clearances
Standard Port Size = 3.0"
Displacement =
0.253 Gal/Rev
(0.958 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 200 PSI (13.8 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice

QP3 Series - Positive displacement pumps



QP Series
Model QP3-180

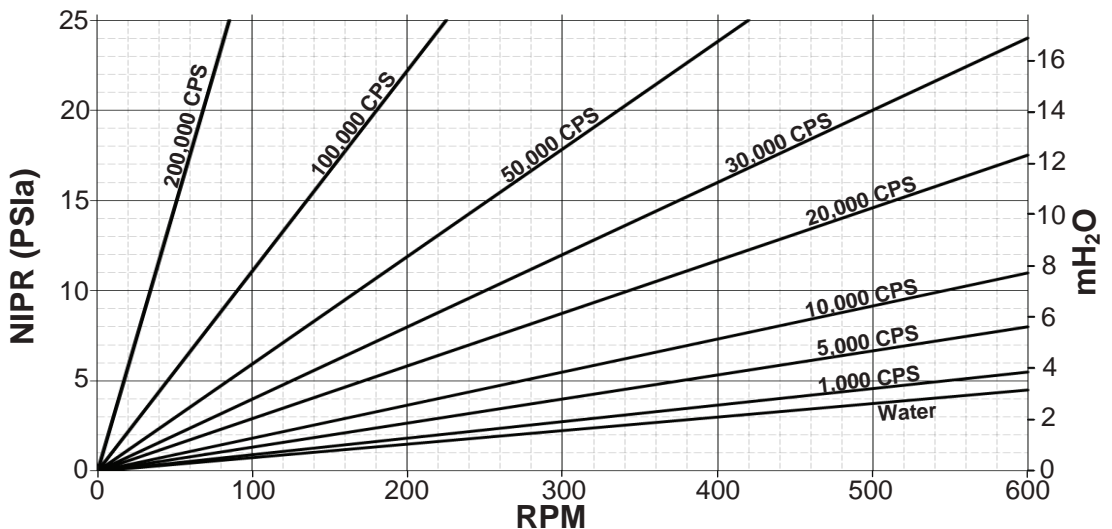
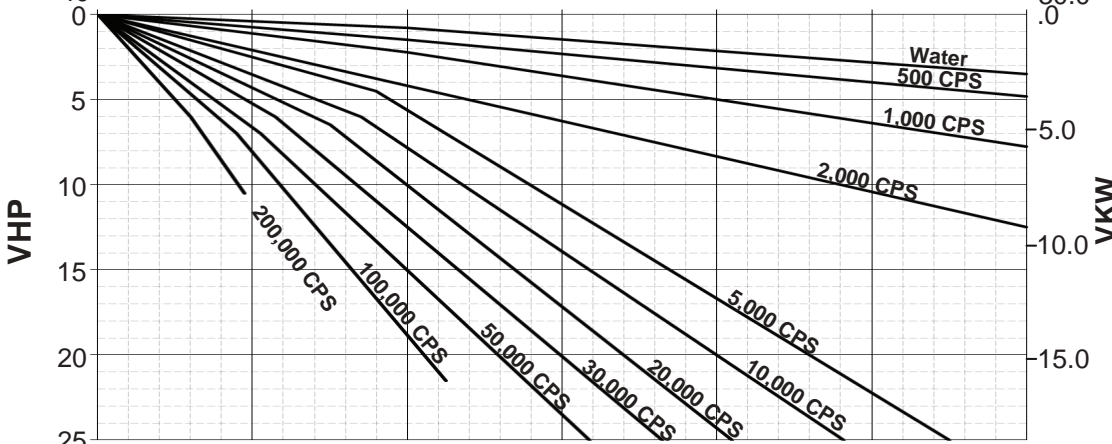
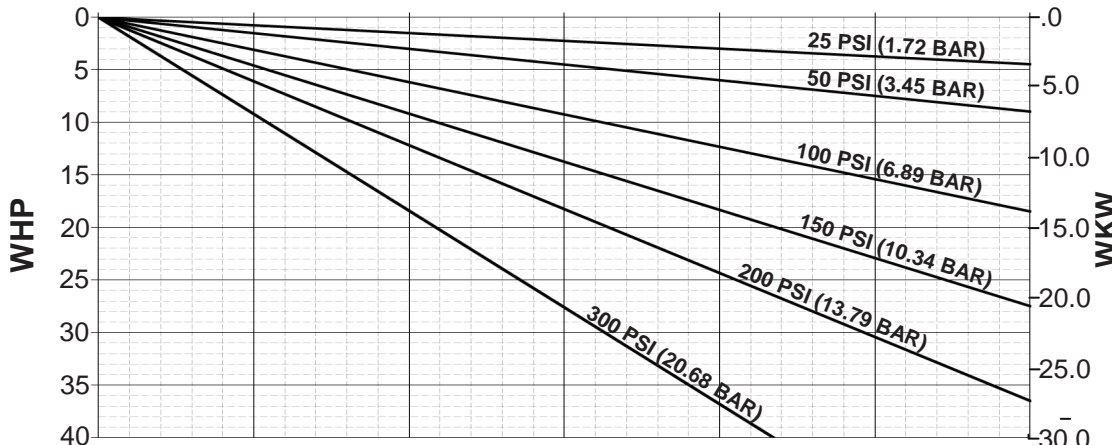
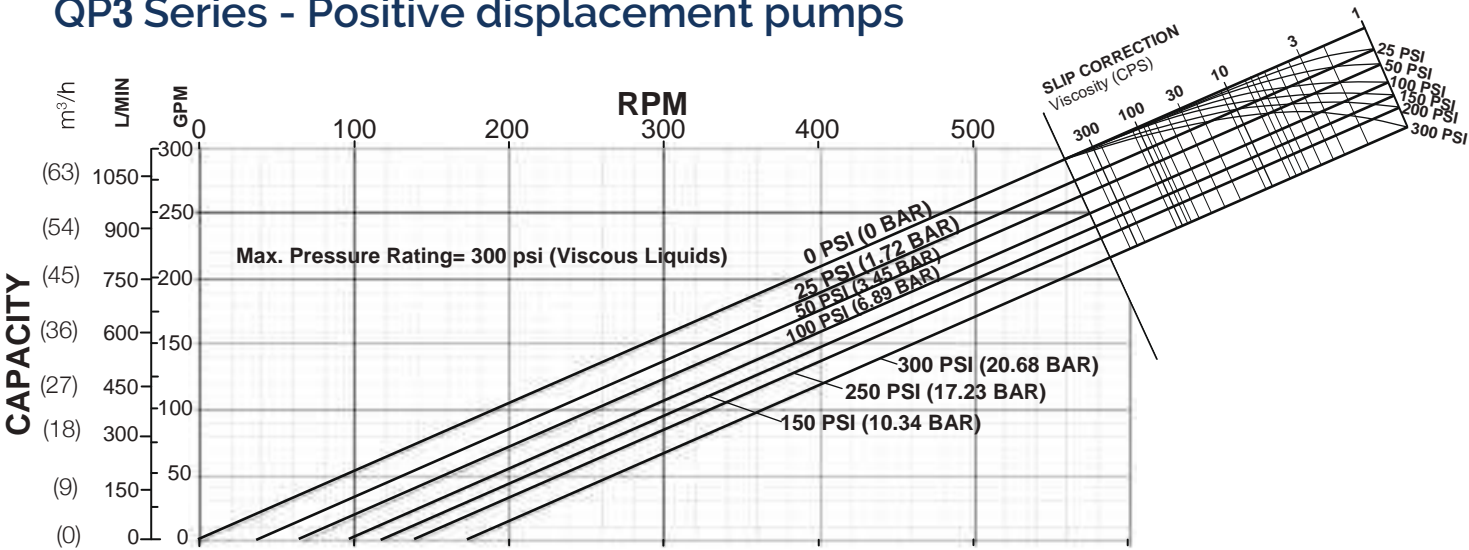
Standard Clearances
Standard Port Size = 3.0"
Displacement =
0.380 Gal/Rev
(1.438 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 450 PSI (31.0 bar) Max. Pressure
 - Temperature Range -40 °F (-40°C) to 300 °F (149°C)

Subject to change without notice

QP3 Series - Positive displacement pumps



QP Series
Model QP3-220

Standard Clearances
Standard Port Size = 4.0"
Displacement =
0.521 Gal/Rev
(1.972 L/Rev)

BHP = WHP + VHP

- Operating Specifications:
- 0-600 RPM Range
 - 300 PSI (20.68 bar) Max. Pressure
 - Temperature Range
-40 °F (-40°C) to
300 °F (149°C)

Subject to change without notice