Certa 100
Standard port size: 1"/DN25
Displacement 0.08 litre per revolution

Capacity / Water Power / Additional power / Viscous Power / NPSH

Power (kW) vs. Flow (l/h)

\[ kW = WP + AP + VP \]

Flow (l/h) vs. pump speed (rpm)

Viscosities - CPS


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Sustainability curves

Certa 200
Standard port size: 2"/DN50
Displacement 0.13 litre per revolution

```
pump speed (rpm)

0 100 200 300 400 500 600 700 800 900 1000

Flow (l/h)

0 2000 4000 6000 8000 10000

WP (kW)

0 0.5 1 1.5 2

AP (kW)

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4 2.6 2.8 3

VP (kW)

0 0.2 0.4 0.6

NPSH (m)

0 2 4 6 8 10

kW = WP+AP+VP

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HP = WP + AP + VP

Capacity / Water Power / Additional Power / Viscous Power / NPSH

Flow (l/h) WP (kW) AP (kW) VP (kW) NPSH (m)

0 100 200 300 400 500 600

pump speed (rpm)

0 100 200 300 400 500 600

pump speed (rpm)

Certa 300
Standard port size: 3" / DN 80
Displacement 0.49 litre per revolution
Certa 400

Standard port size: 4" / DN 100
Displacement 1.17 litre per revolution

Certa 400 Metric Source D3_MS-01 © Copyright 2017 Watson-Marlow Fluid Technology Group

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Certa 600
Standard port size: 6”/DN150
Displacement 2.75 litres per revolution

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Capacity / Water Power / Additional power / Viscous Power / NPSH

Flow (l/h)
pump speed (rpm)

WP (kW)

AP (kW)

VP (kW)

NPSH (m)
pump speed (rpm)

kW = WP + AP + VP

Water

2.500 CPS

5.000 CPS

10.000 CPS

30.000 CPS

50.000 CPS

100.000 CPS

250.000 CPS

All viscosities - CPS