Domestic® Pump
Series C35 and C17
Styles PF and PVF Close Coupled Centrifugal

PUMP CONSTRUCTION: CAST IRON HEAD & CASE, BRONZE FITTED.
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3500 RPM PUMPS

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1750 RPM PUMPS

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<td>658PF</td>
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<td>665PF</td>
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<td>“A” (21/2)</td>
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*Refer to submittal S411 for detailed dimensions on Style PF suction flanges

PERFORMANCE CURVE CHARACTERISTICS

- Impellers are trimmed to the nearest 1/16" increment to supply required capacity. Responsibility for final impeller sizing remains with Xylem Bell & Gossett.
- Maximum Suction Pressure for Series C35 & C17 pumps is 35 psi. Maximum Water Temperature is 250°F.
- Horsepower curves do not include motor service factor. Typical motor service factors are as follows:
  - ODP Enclosure – 1.15 Minimum (up to 1.75 are used when available.)
  - TEFC Enclosure – 1.15 Minimum (up to 1.75 are used when available.)
  - Exp. Proof Enc. – 1.0
- NPSH Required is provided for cold (120°F and below) and hot water (above 120°F) applications. NPSH Required is determined by utilizing a vacuum pump to equalize atmospheric pressure and vapor pressure and then measuring the required static head of water for non-cavitating pump operation.
- Pumps available from stock are indicated on the respective performance curve by their part number.
- Pumps supplied for 45 GPM or less may include external orificing to facilitate matching of design conditions and to limit maximum motor loads. The orifice extends the pump discharge by 3/4". Pumps for 15 GPM or less will be orificed and the orifice will have a 1/4 NPT discharge. Orificing is at the discretion of B&G.
3500 RPM PUMP CURVES

MODEL 609PF/PVF
3500 RPM
\( \frac{3}{4} \times 1\frac{1}{2} \times 3\frac{11}{16} \)

NPSH REQUIRED, Feet of water
TOTAL HEAD, Feet of water
CAPACITY, U.S. GPM

STOCK PUMP FURNISHED WITH
1/3 HP - 115/230V - 1 PHASE (180001) OR
208/230/460V - 3 PHASE (180025) MOTOR
THE MAXIMUM MOTOR RATING IS
NOT EXCEEDED AT ANY OPERATING
POINT WITHIN THE RANGE PLOTTED.

MODEL 613PF/PVF
3500 RPM
\( 2 \times 2\frac{1}{2} \times 5\frac{9}{16} \)

NPSH REQUIRED, Feet of water
TOTAL HEAD, Feet of water
CAPACITY, U.S. GPM
1750 RPM PUMP CURVES

CENTRIFUGAL PUMP SERIES C17, DOMESTIC

MODEL 650PF/PVF
1750 RPM
1 1/2 x 2 1/2 x 7 9/16

MODEL 651PF/PVF
1750 RPM
2 x 2 1/2 x 7 9/16

NPSH REQUIRED, Feet of water
TOTAL HEAD, Feet of water
CAPACITY, U.S. GPM

NPSH REQUIRED, Feet of water
TOTAL HEAD, Feet of water
CAPACITY, U.S. GPM
1750 RPM PUMP CURVES

CENTRIFUGAL PUMP SERIES C17, DOMESTIC

MODEL 659PF/PVF
1750 RPM
3 x 4 x 10 1/16

NPSH REQUIRED, Feet of water
TOTAL HEAD, Feet of water
CAPACITY, U.S. GPM

CENTRIFUGAL PUMP SERIES C35, DOMESTIC

MODEL 665PF
1750 RPM
3 x 4 x 10

NPSH REQUIRED, Feet of water
TOTAL HEAD, Feet of water
CAPACITY, U.S. GPM
Xylem [ˈzɪləm]

1) The tissue in plants that brings water upward from the roots; 
2) a leading global water technology company.

We’re 12,700 people unified in a common purpose: creating innovative solutions to meet our world’s water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

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