

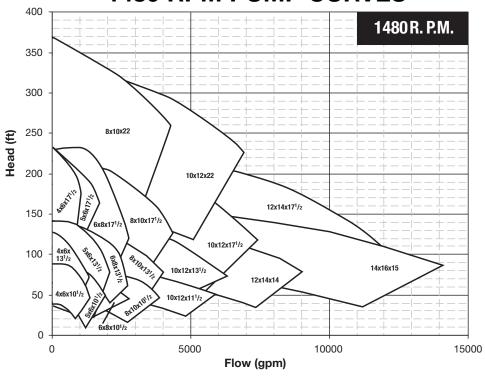
Series VSX

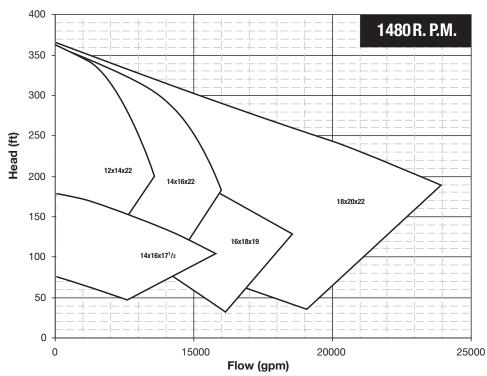
Base Mounted - Double Suction VSC, VSCS and VSH Models 50 Hertz Performance Curves

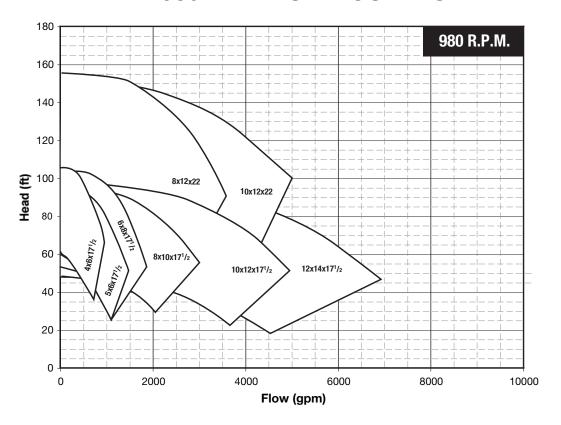


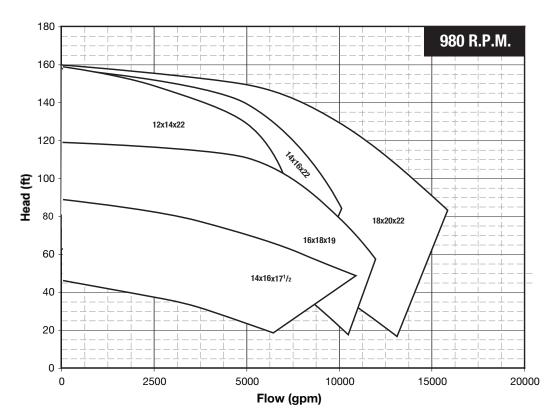
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USEFUL PUMP FORMULAS

Pressure = Head (Feet) x Specific Gravity (PSI) 2.31

Head = Pressure (PSI) x 2.31 Specific Gravity (Feet)

Horsepower (Brake) = $\frac{\text{GPM x Head (Feet) x Specific Gravity}}{3960 \text{ x Pump Efficiency}}$

Horsepower (Water) = $\frac{\text{GPM x Head (Feet) x Specific Gravity}}{3960}$

Efficiency = Horsepower (Water) x 100 Per Cent Horsepower (Brake) (Pump)

NPSH = (Available) Positive Factors - Negative Factors

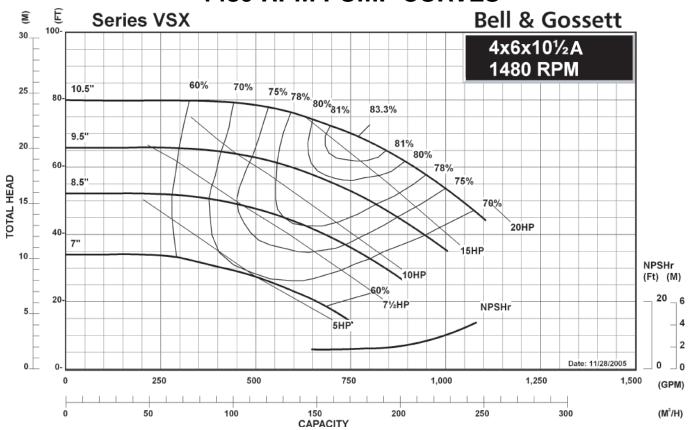
Affinity Laws: Effect of change of speed or impeller diameter on centrifugal pumps.

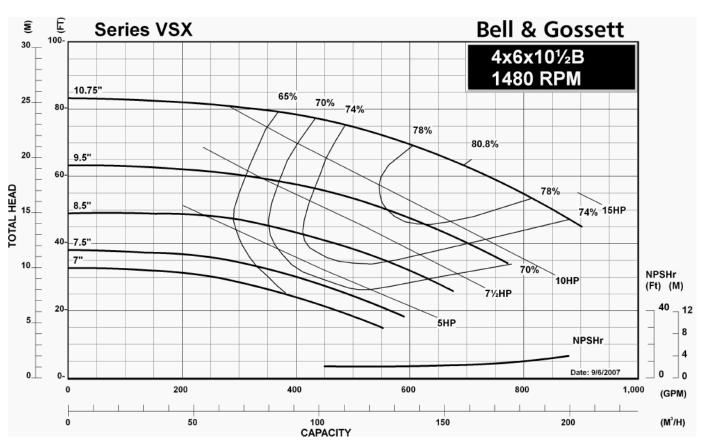
GPM Capacity Ft. Head **BHP**

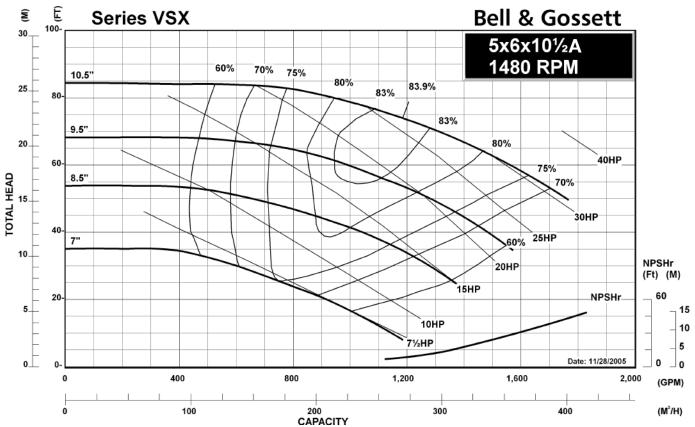
Impeller $Q_2 = \frac{D_2}{D_1}Q_1 \qquad \qquad H_2 = \left(\frac{D_2}{D_1}\right)^2 H_1 \qquad \qquad P_2 = \left(\frac{D_2}{D_1}\right)^3 P_1$ Diameter Change

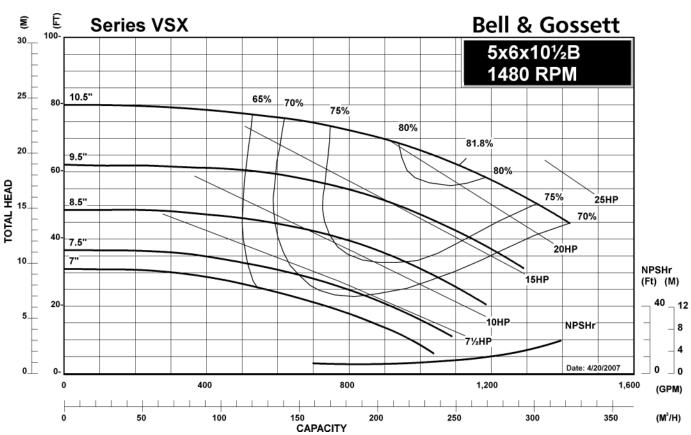
 $Q_2 = \frac{RPM_2}{RPM_1}Q_1 \qquad \qquad H_2 = \left(\frac{RPM_2}{RPM_1}\right)^2 H_1 \qquad P_2 = \left(\frac{RPM_2}{RPM_1}\right)^3 P_1$ Speed Change

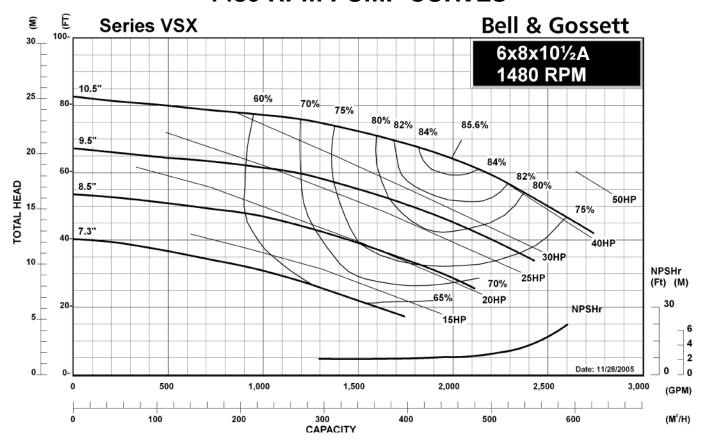
Where Q = GPM, H = Head, P = BHP, D = Impeller Dia., RPM = Pump Speed

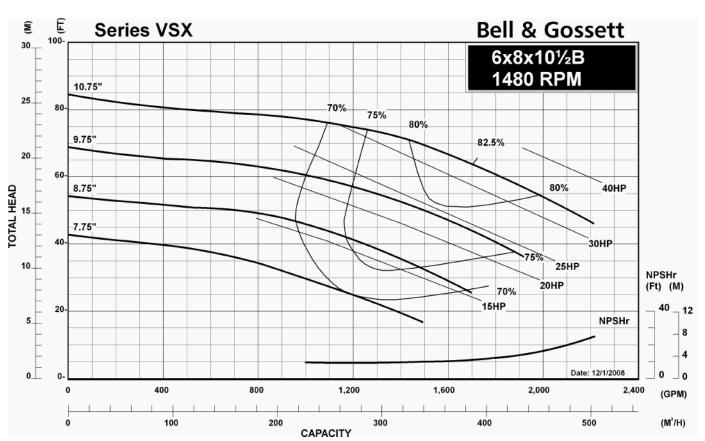


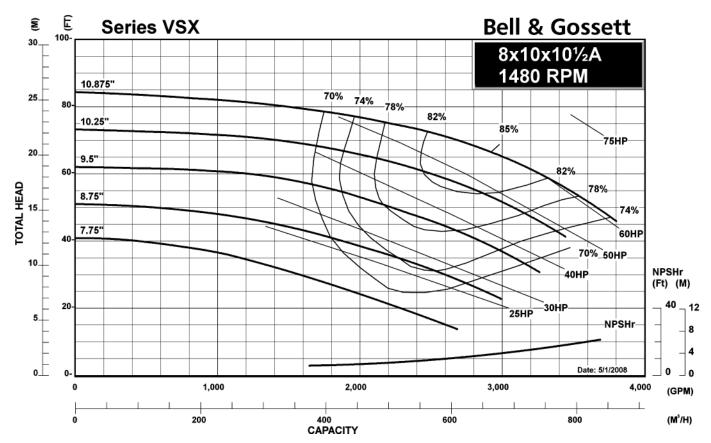


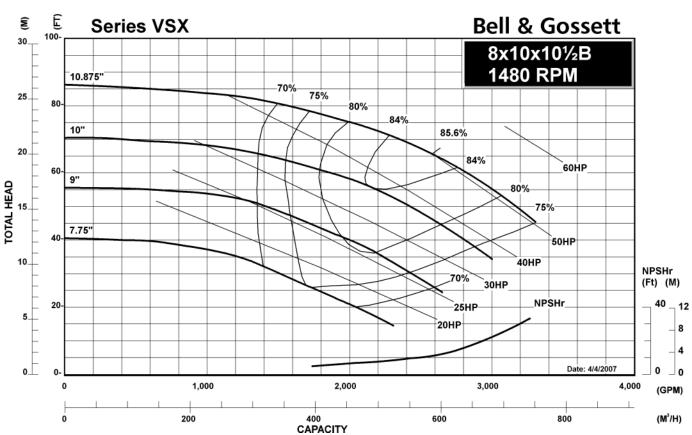


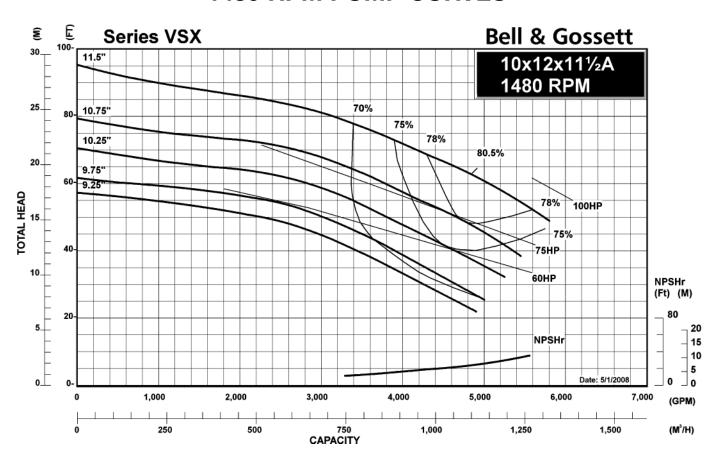


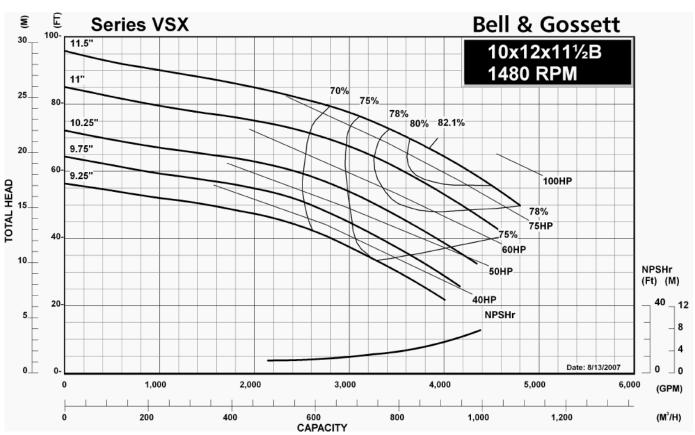


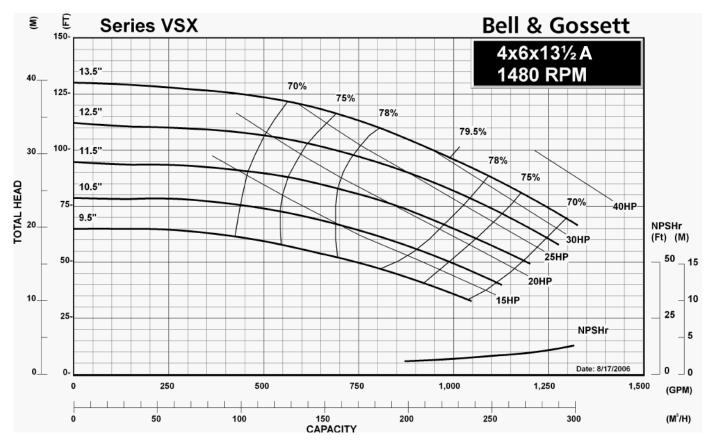


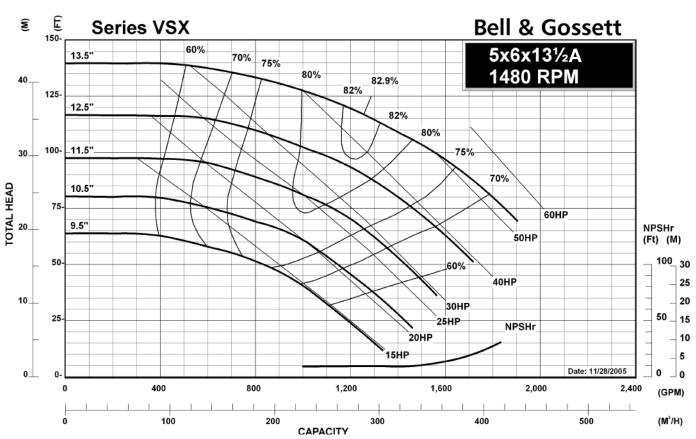


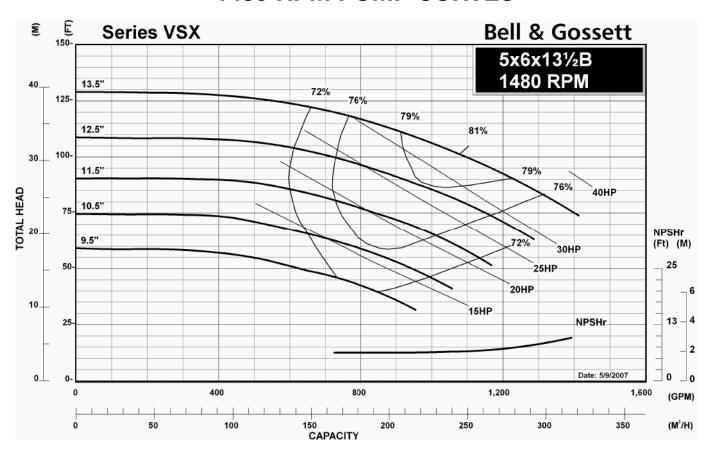


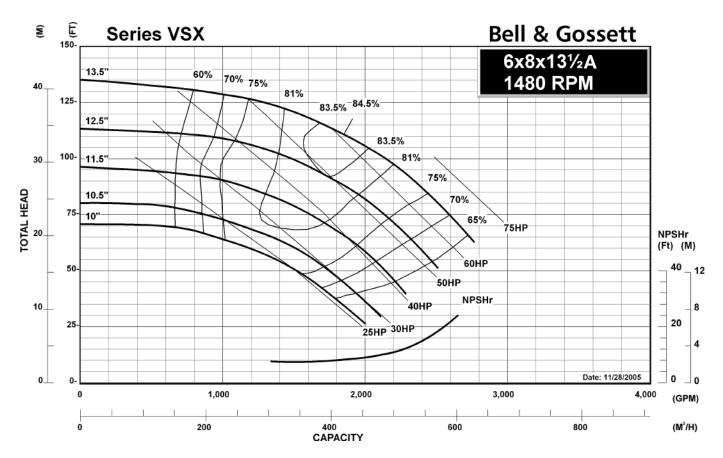


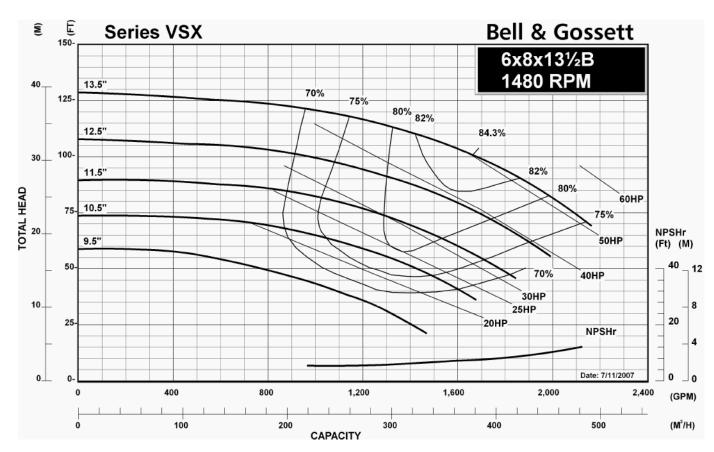


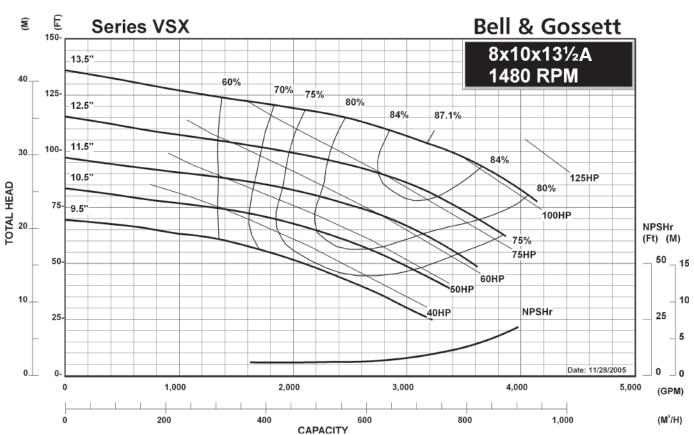


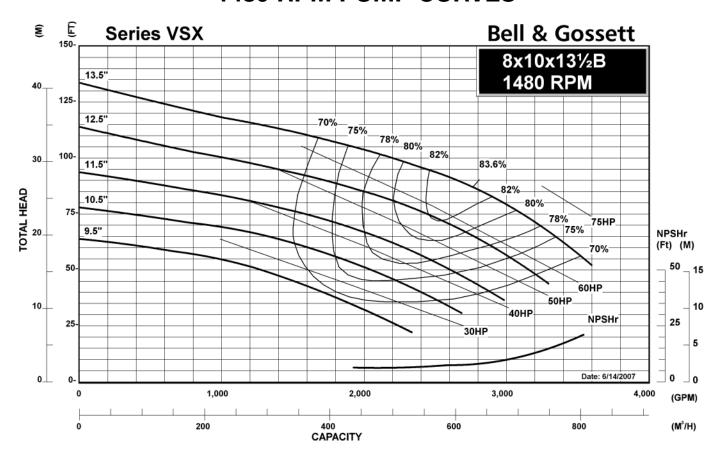


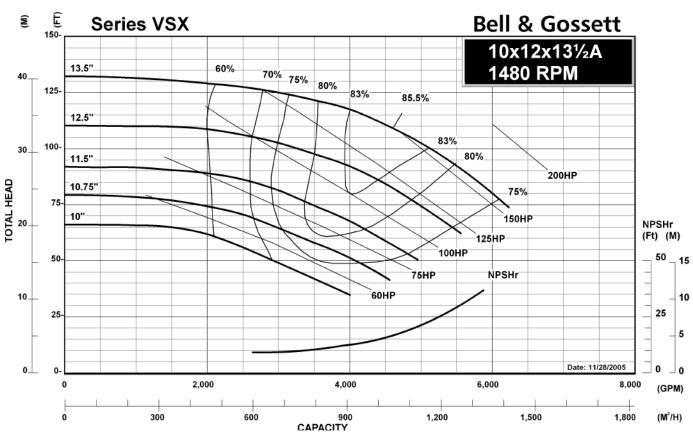


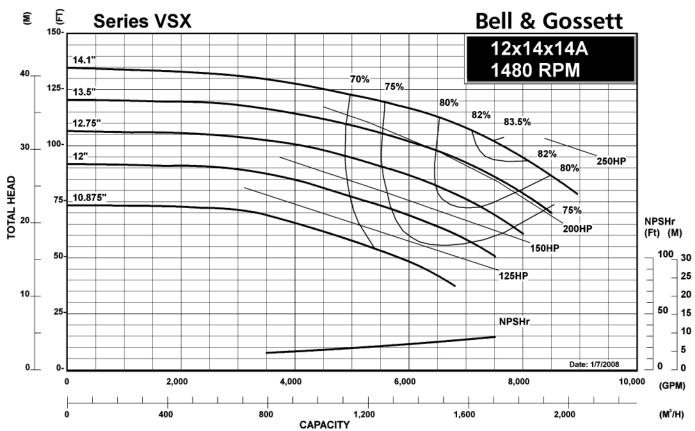


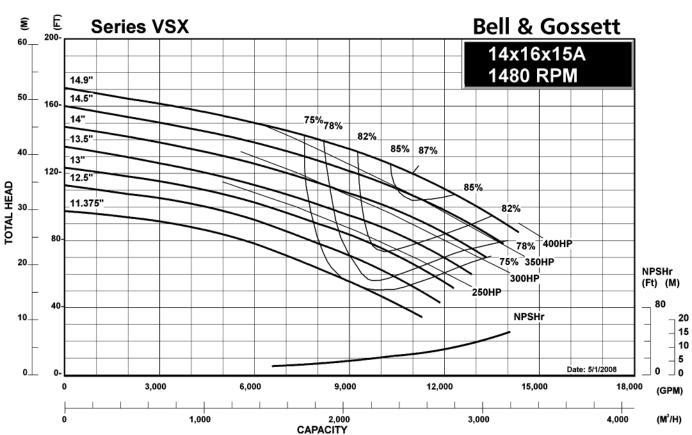


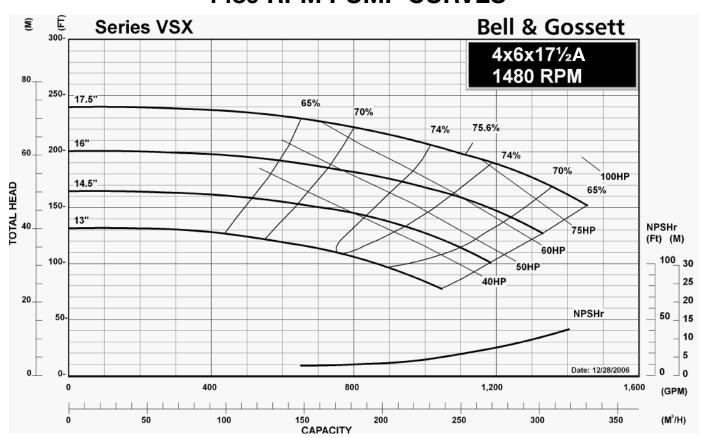


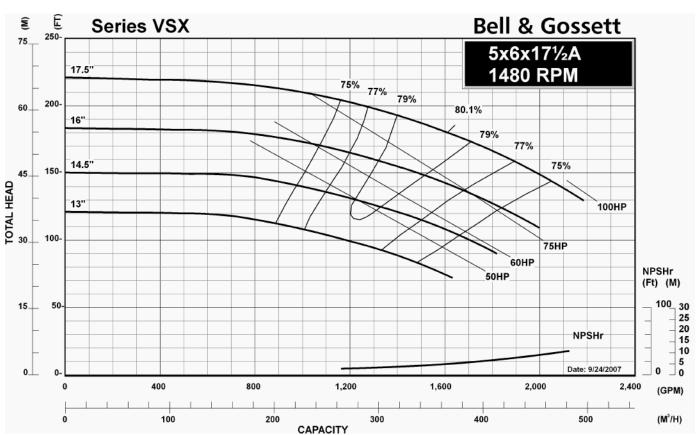


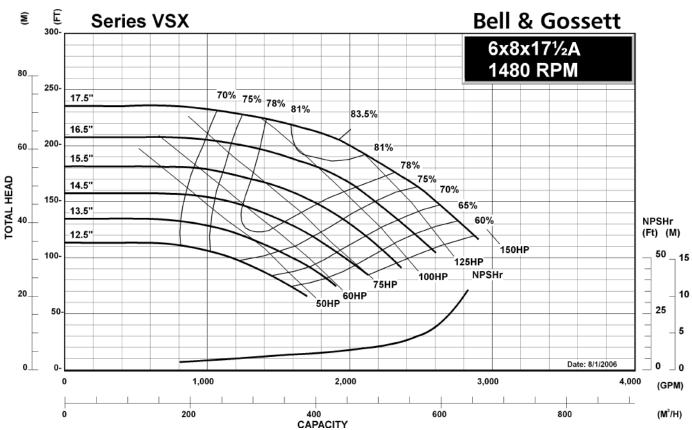


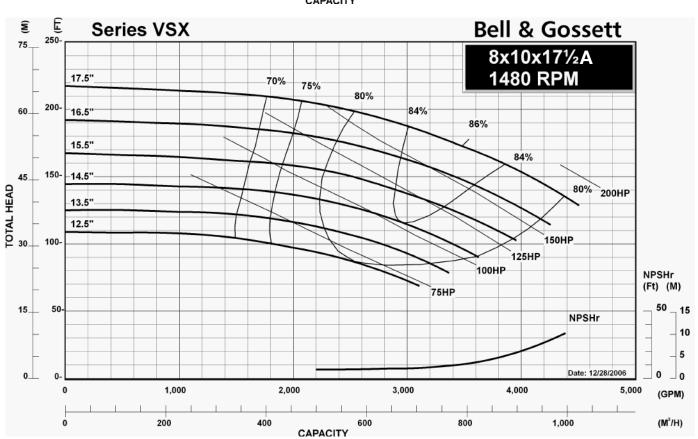


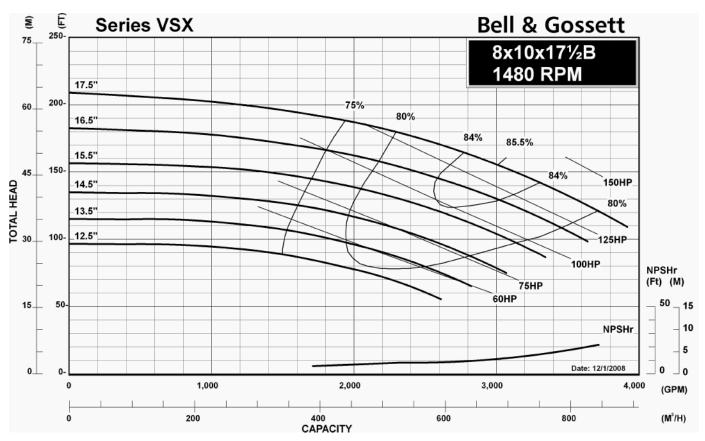


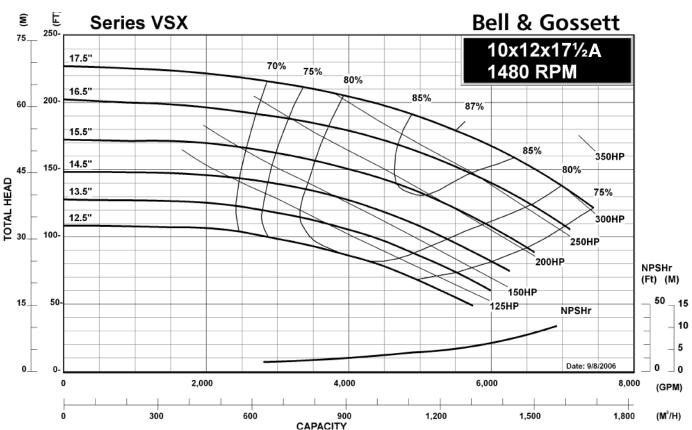


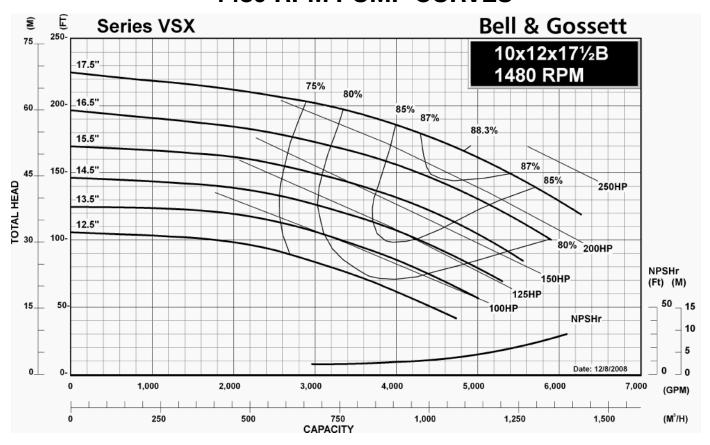


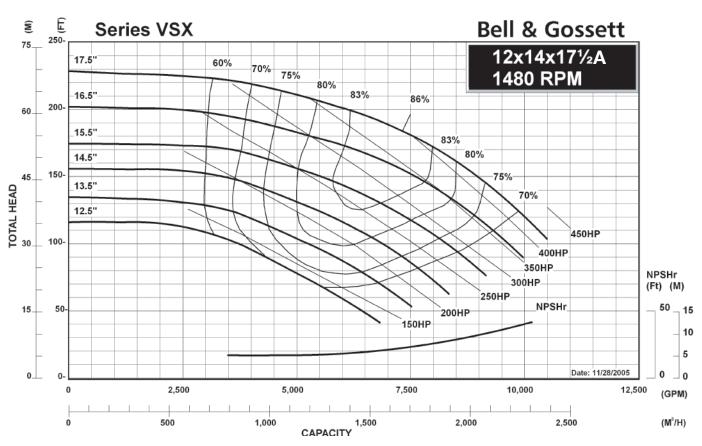


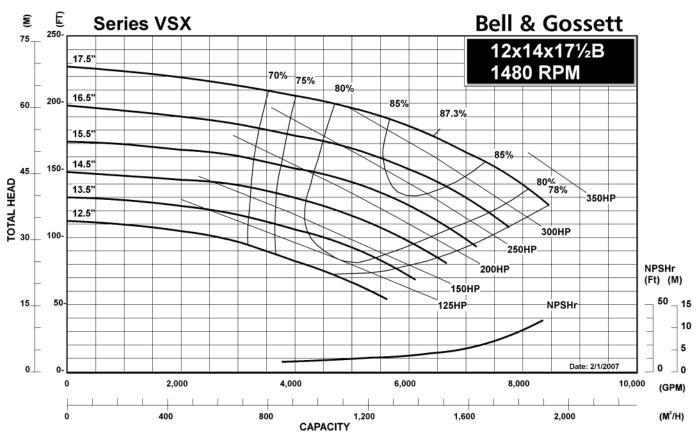


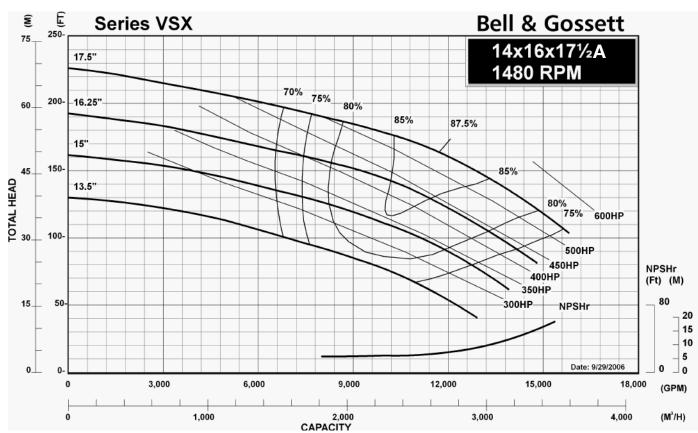


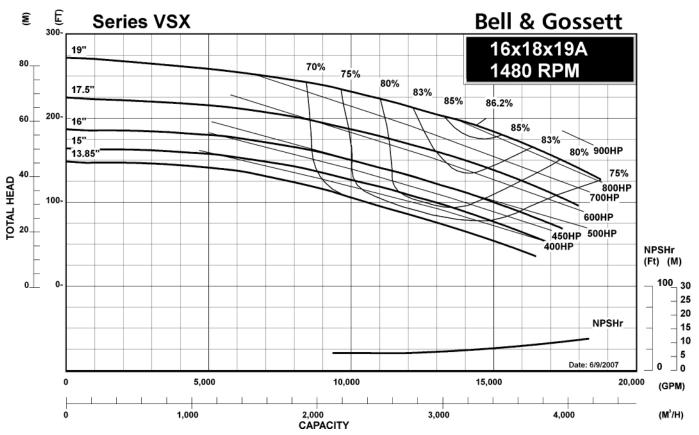


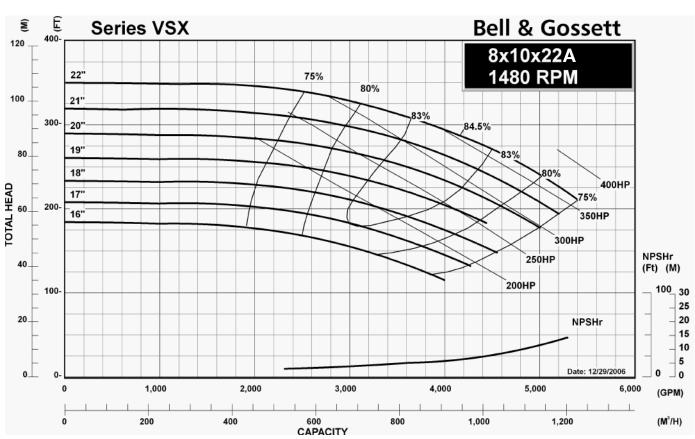


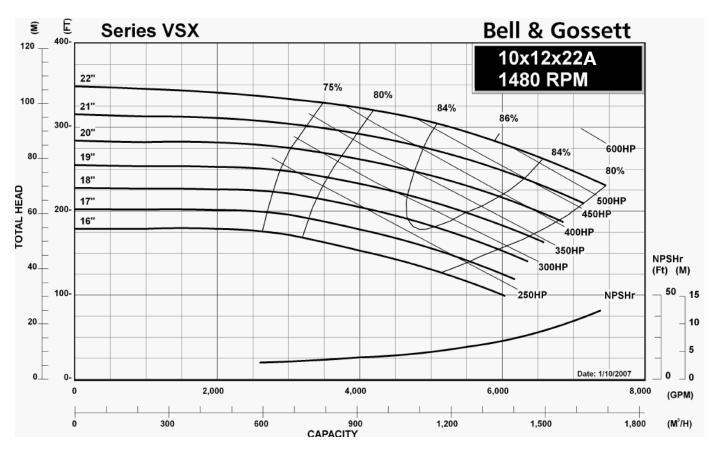


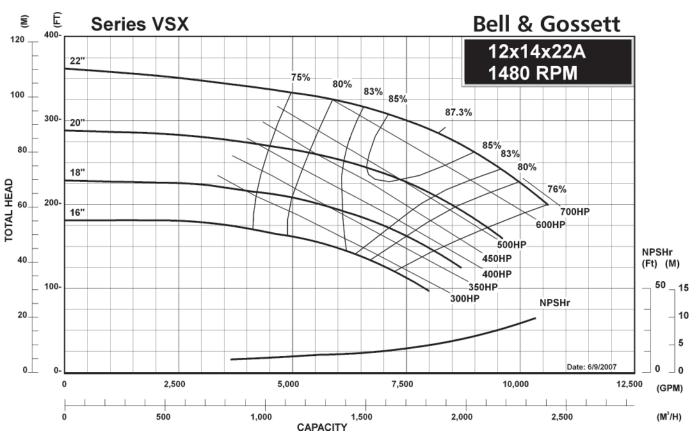


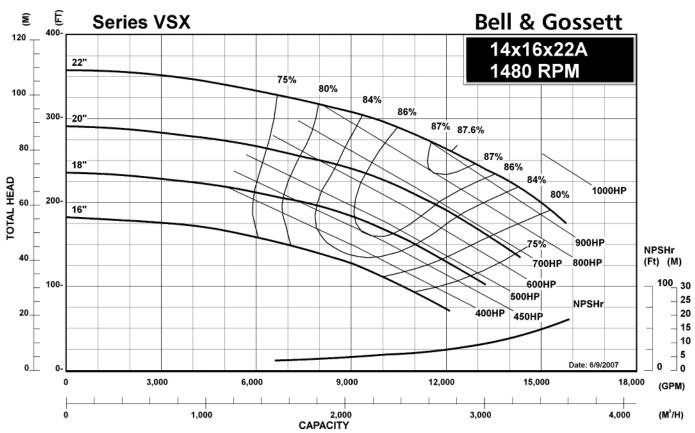


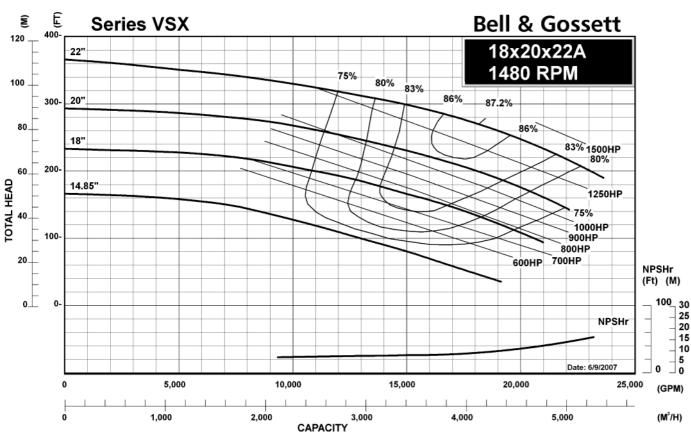


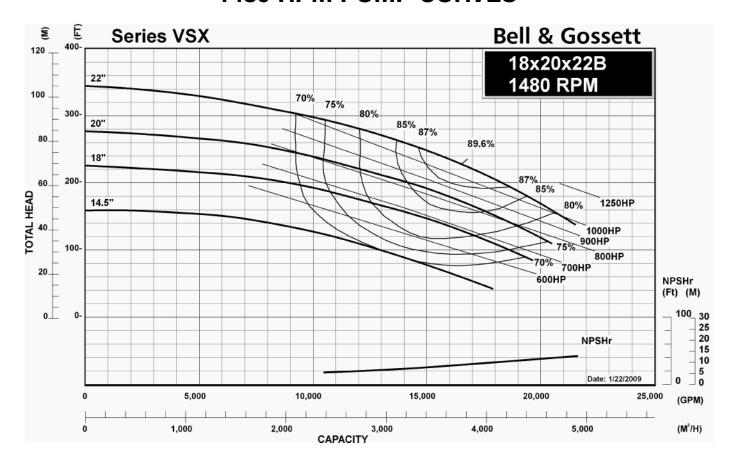


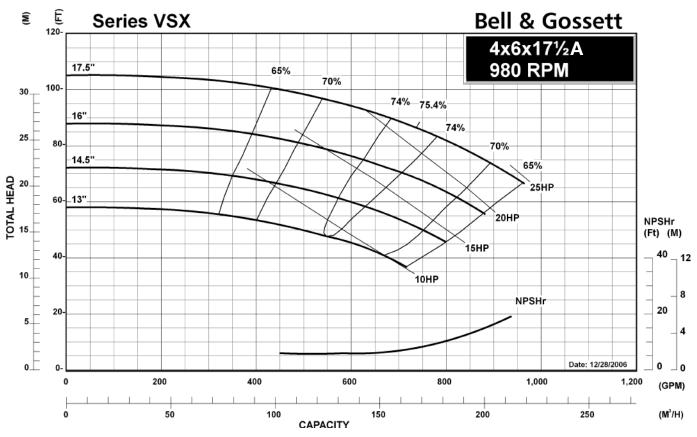


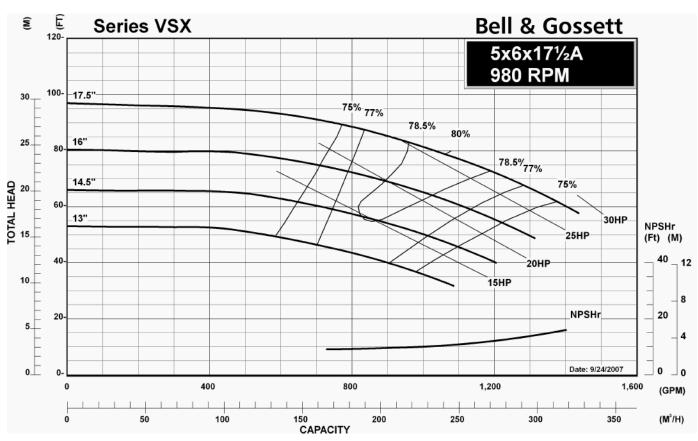


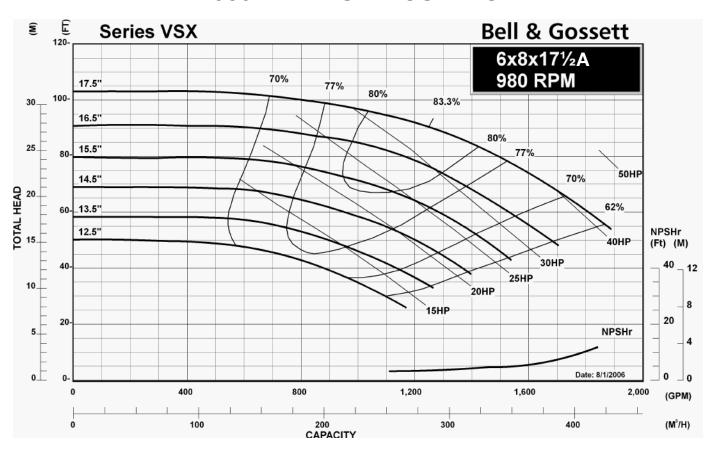


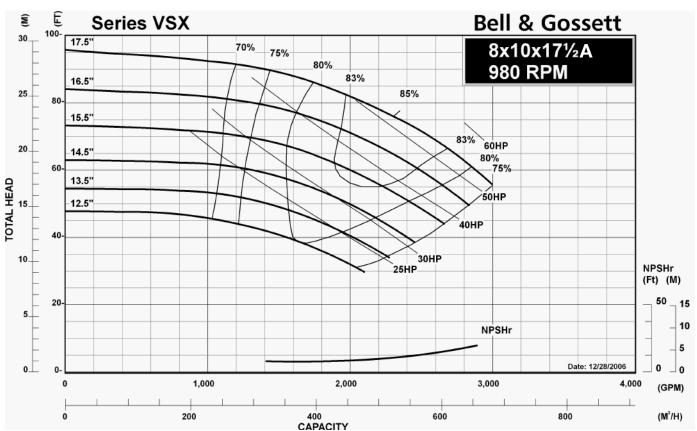


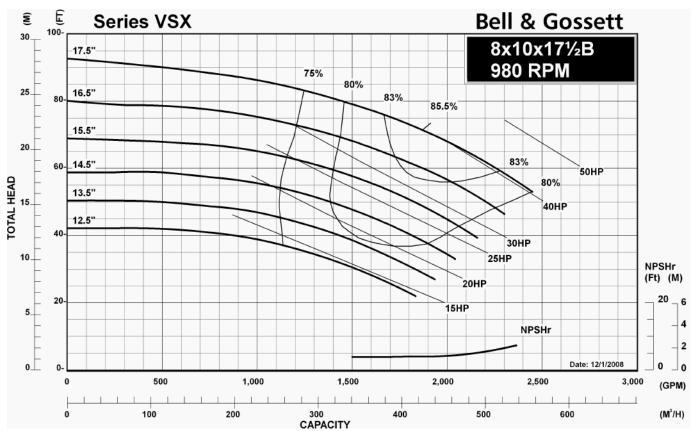


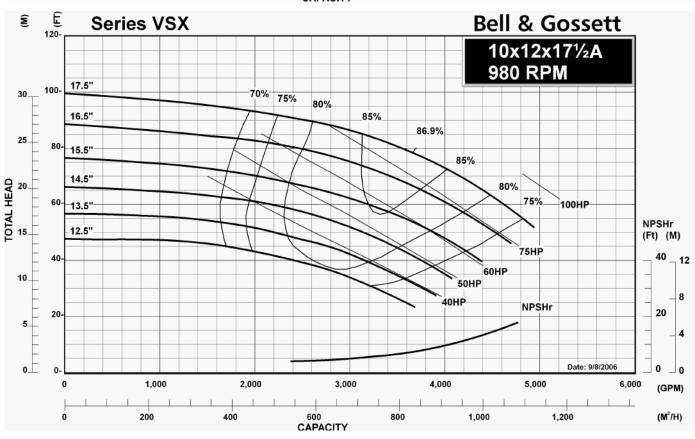


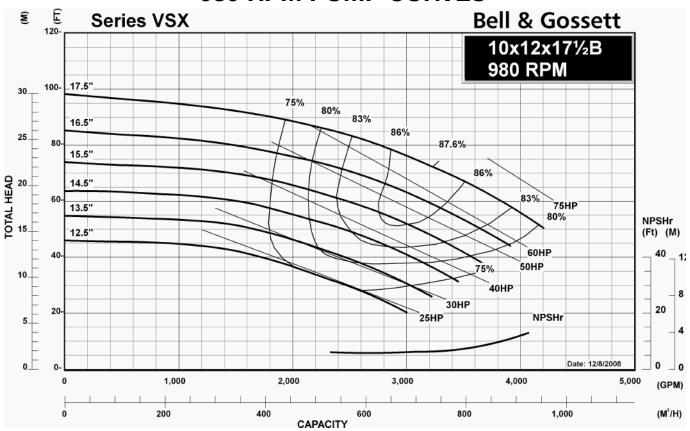


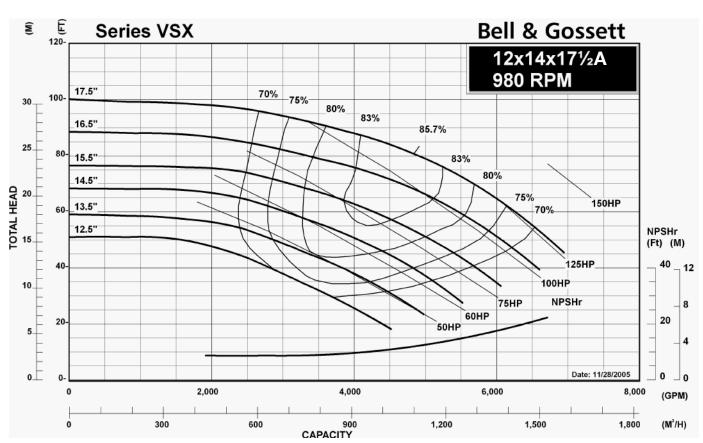


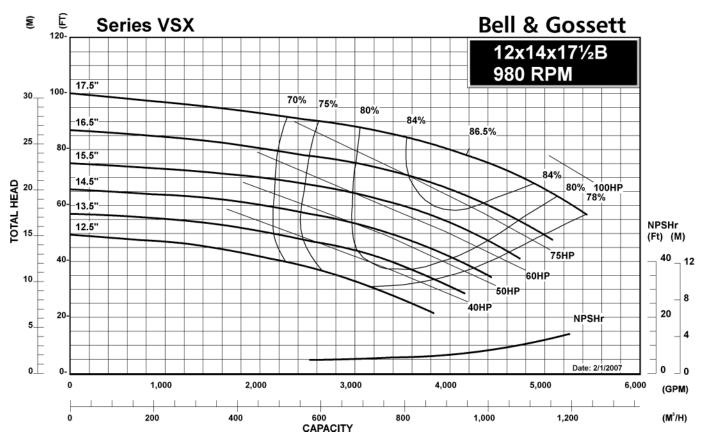


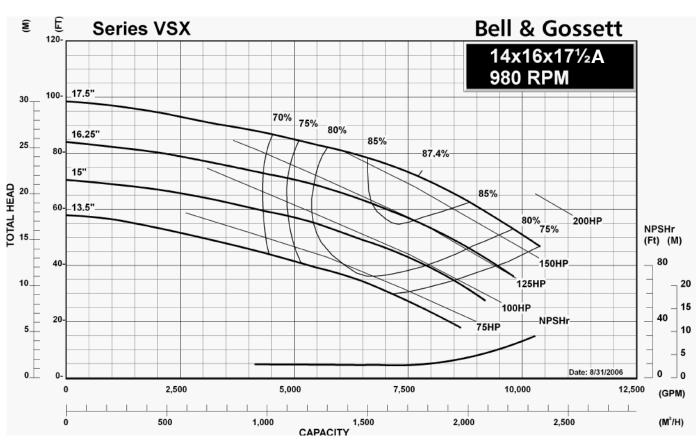


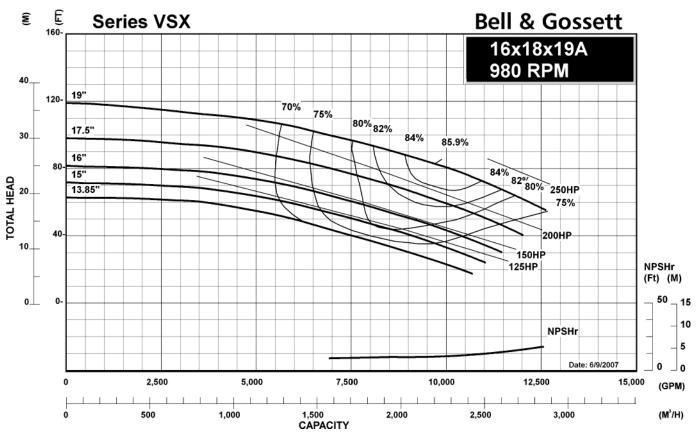


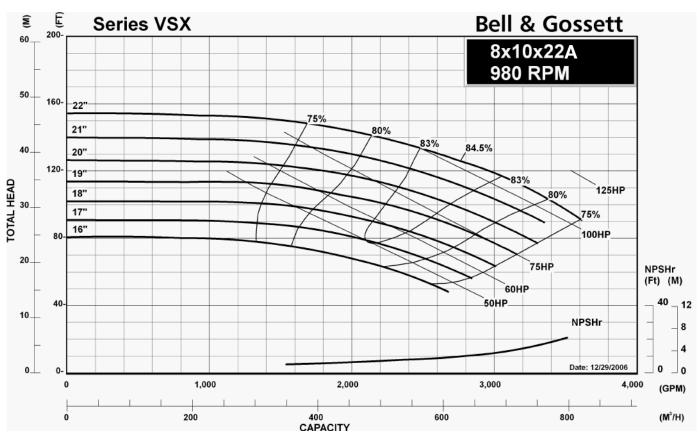


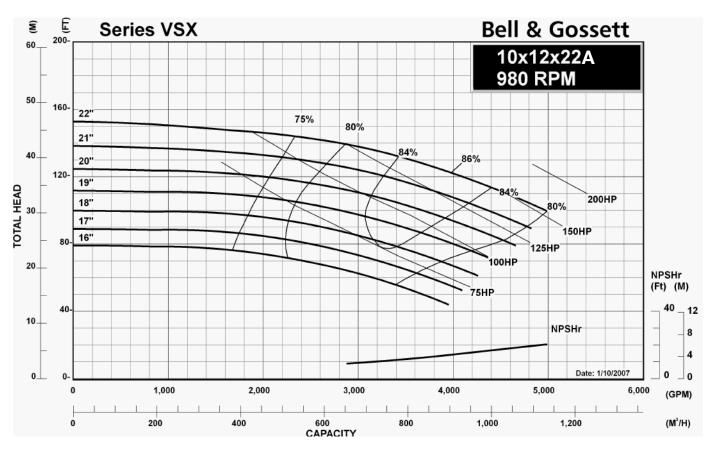


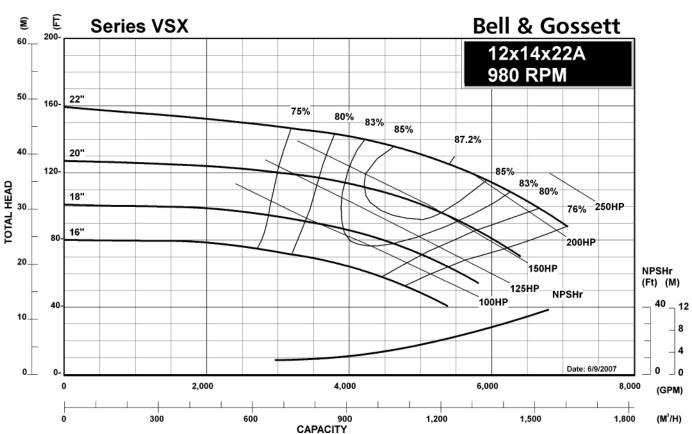


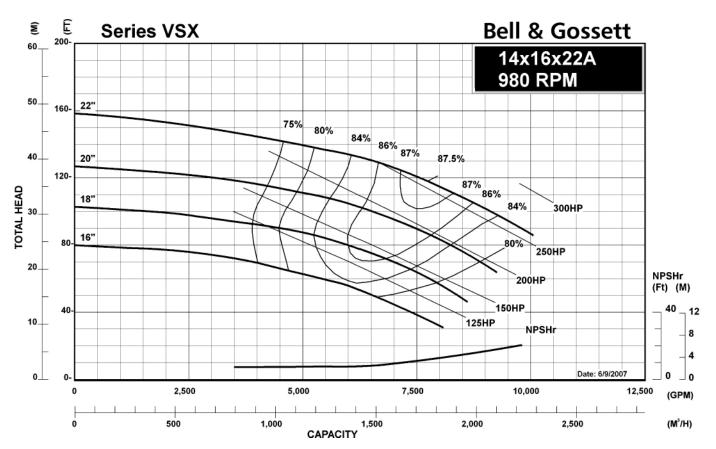


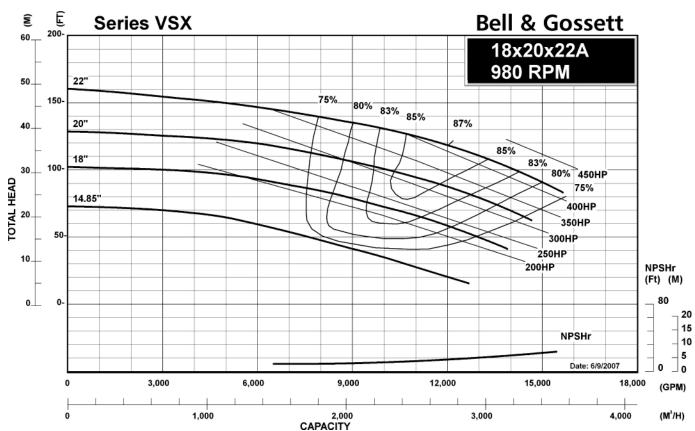


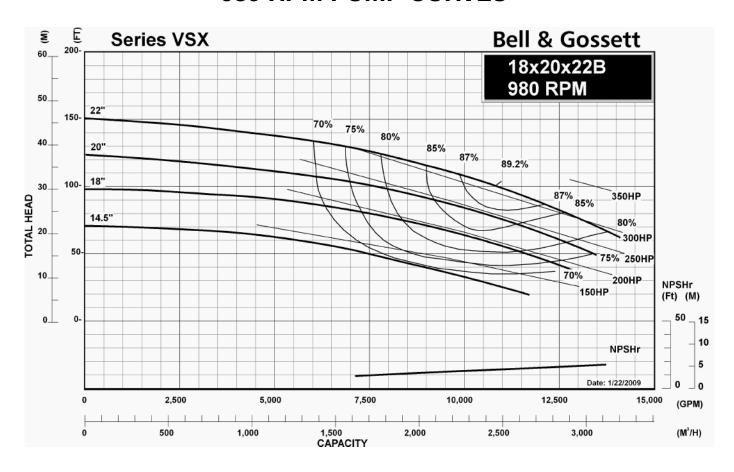












Notes

Xylem |'zīləm|

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

We're 12,900 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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