LARGE HORIZONTAL SPLIT CASE BASE MOUNTED - DOUBLE SUCTION PUMP PERFORMANCE CURVES

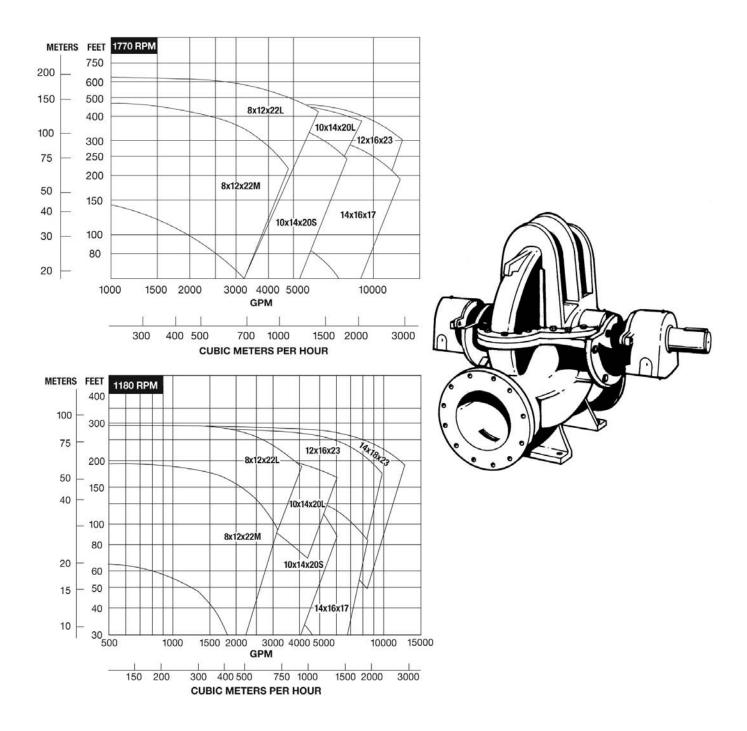


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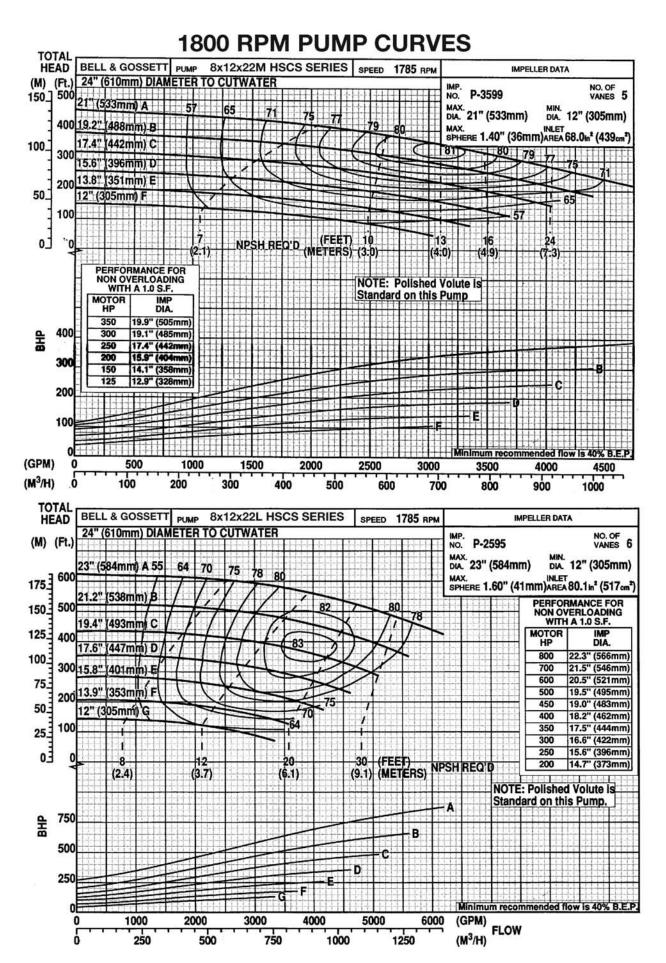
USEFUL PUMP FORMULAS	 	 	 2
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USEFUL PUMP FORMULAS

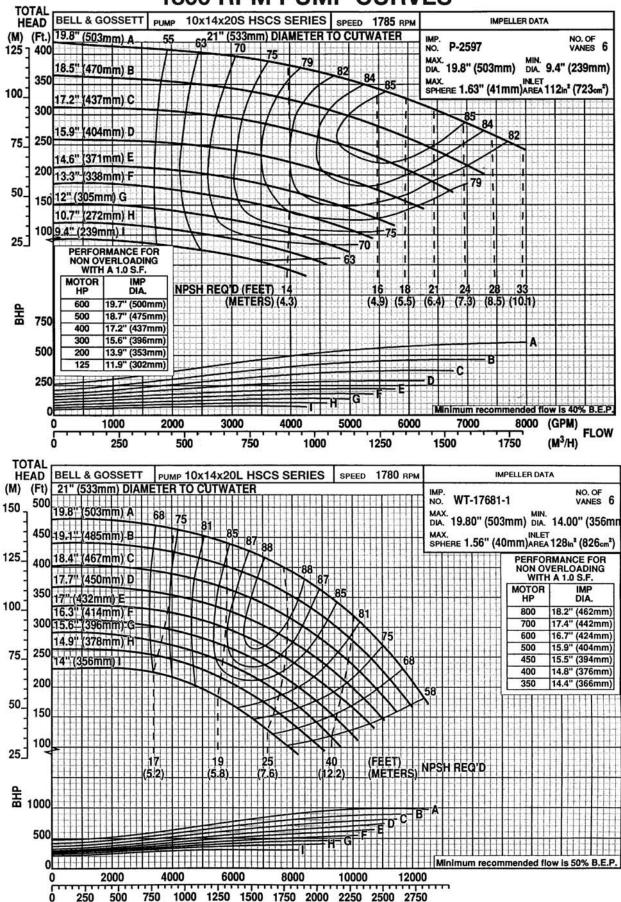
Affinity Laws: Effect of change of speed or impeller diameter on centrifugal pumps.

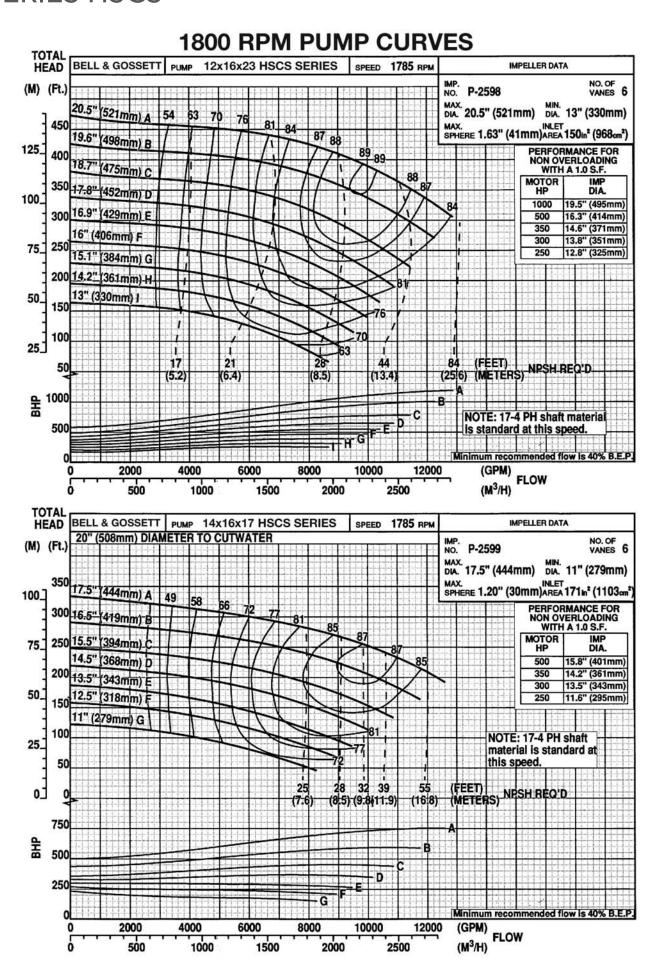
$$\begin{array}{c} \text{GPM Capacity} & \text{Ft. Head} & \text{BHP} \\ \\ \text{Impeller Diameter Change} & Q_2 = \frac{D_2}{D_1}Q_1 & H_2 = \left(\frac{D_2}{D_1}\right)^2H_1 & P_2 = \left(\frac{D_2}{D_1}\right)^3P_1 \\ \\ \text{Speed Change} & Q_2 = \frac{RPM_2}{RPM_1}Q_1 & H_2 = \left(\frac{RPM_2}{RPM_1}\right)^2H_1 & P_2 = \left(\frac{RPM_2}{RPM_1}\right)^3P_1 \end{array}$$

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

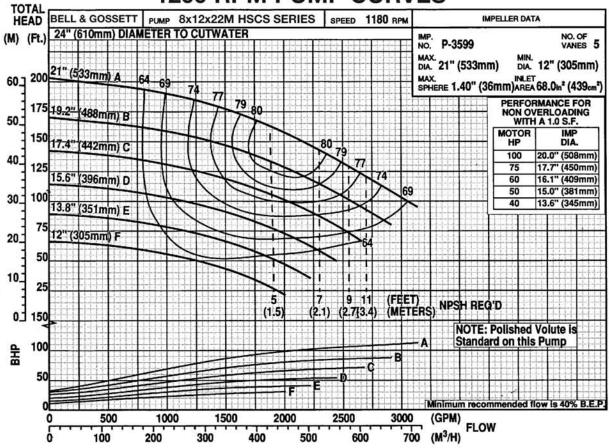


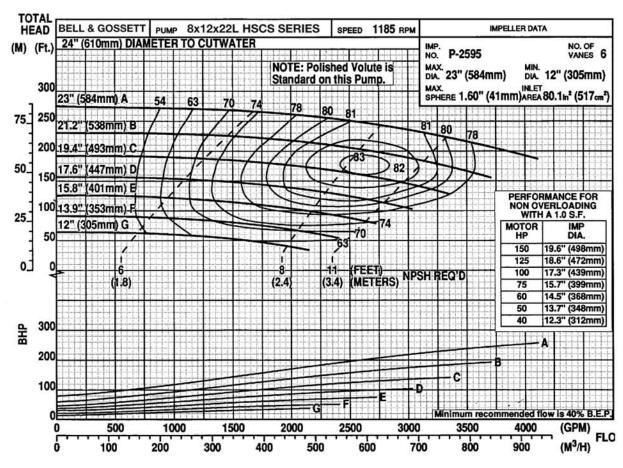
1800 RPM PUMP CURVES





1200 RPM PUMP CURVES





1200 RPM PUMP CURVES

