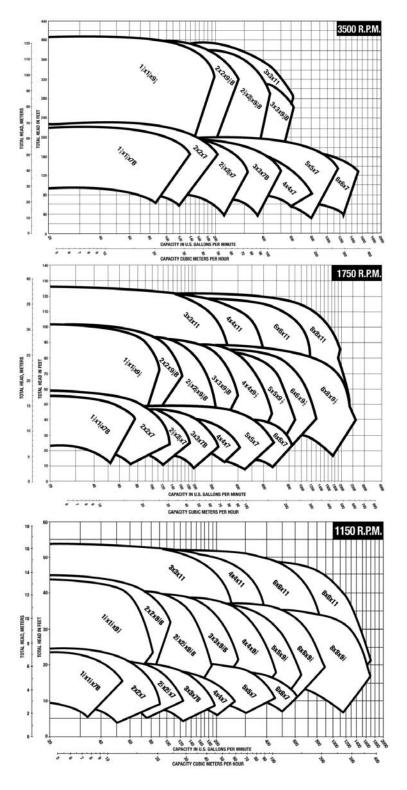
SERIES 80

IN-LINE MOUNTED CENTRIFUGAL PUMP PERFORMANCE CURVES - 60 HZ



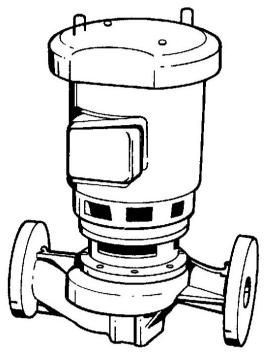


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USEFUL PUMP FORMULAS

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

Designed with preselected impeller diameters and motor horsepower sizes to offer better availability.

Pump Construction: Bronze Fitted

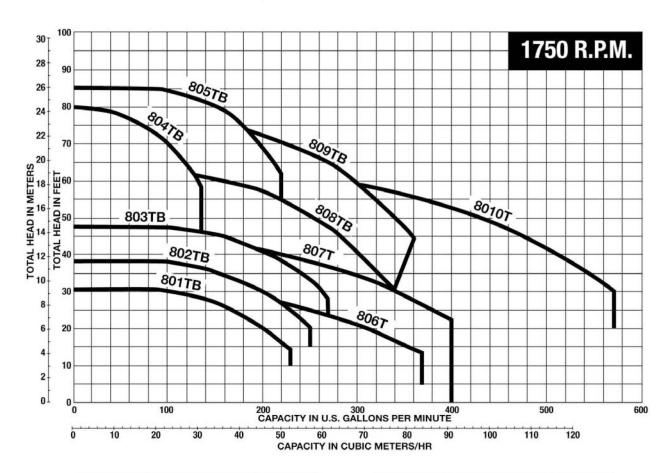
Standard Mechanical Seal

Maximum Working Pressure 175 psi

with 125# ANSI Flanges

Motors: 208-230/460 Volts 3 Phase, 60 Hertz

Open Dripproof

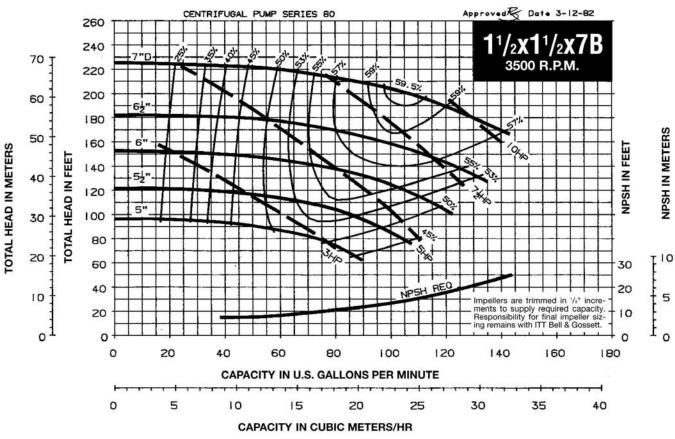


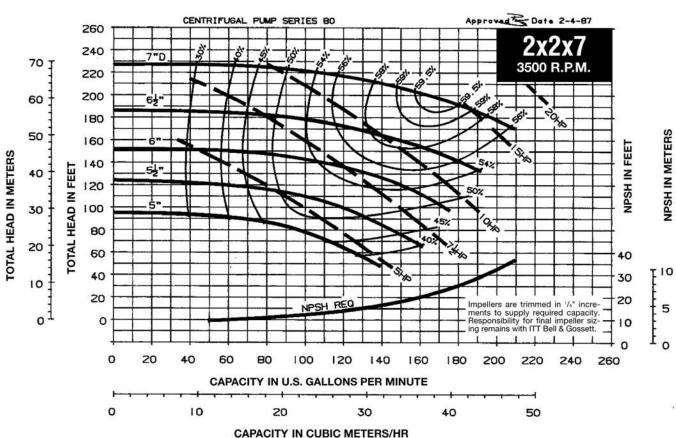
UNIT NO.	PUMP SIZE	MOTOR HP	
801TB	3x3x7B	1.5	
802TB		2	
803TB			
804TB	2x2x9¹/₂B	3	
805TB	2 ¹ / ₂ x2 ¹ / ₂ x9 ¹ / ₂ B	5	

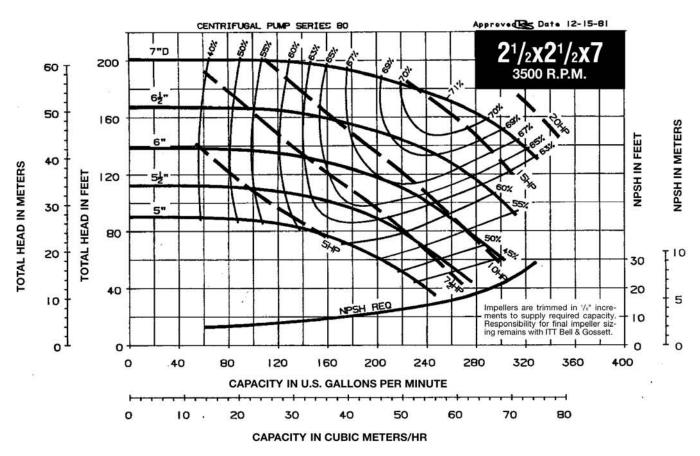
UNIT NO.	PUMP SIZE	MOTOR HP	
806T	4x4x7	2	
807T		3	
808TB	3x3x91/2B	5	
809TB		71/	
8010T	4x4x9 ¹ / ₂	71/2	

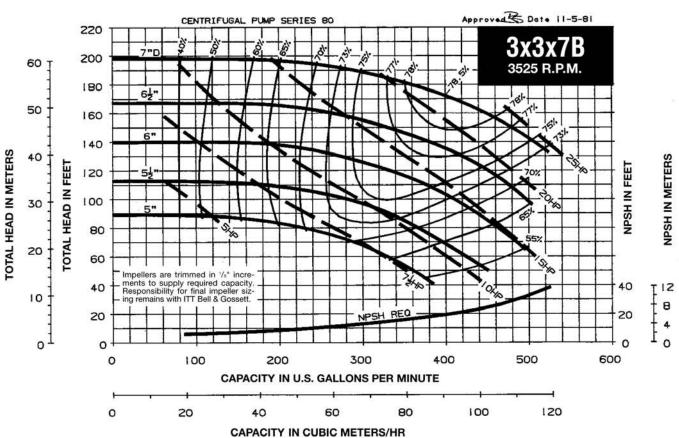
HOW TO USE THIS BOOKLET

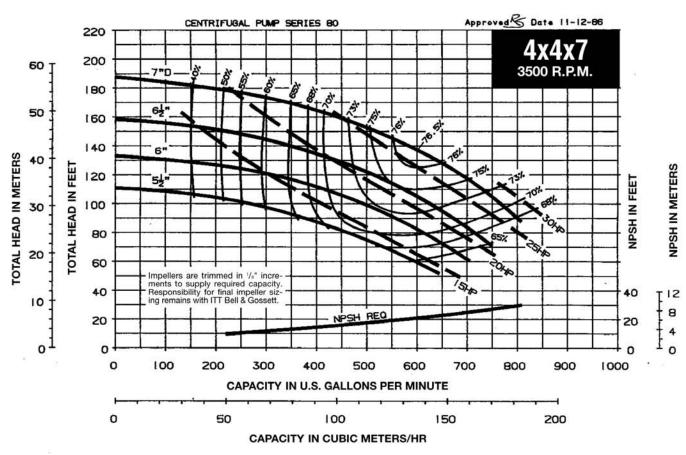
- Determine the Pump Model number from the quick selection charts on the cover of this Booklet. Required data: Pump Flow and Head and desired RPM. Use the Standard Pumps shown on this page when possible.
- Consult the individual pump curve for the desired pump model to determine the required motor horsepower, pump efficiency and NPSHR.
- For faster, computerized pump selections, consult your Bell & Gossett Representative about ESP-PLUS, Bell & Gossett's Equipment Selection Program for personal computers.

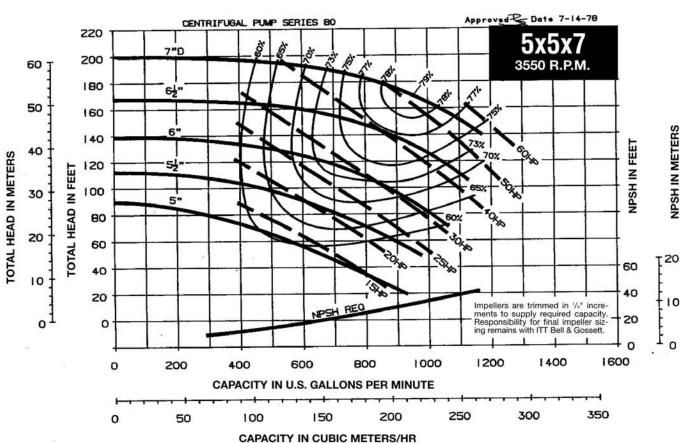


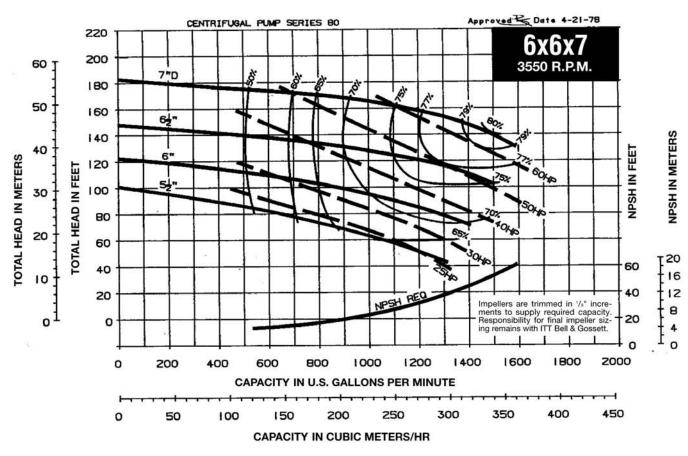


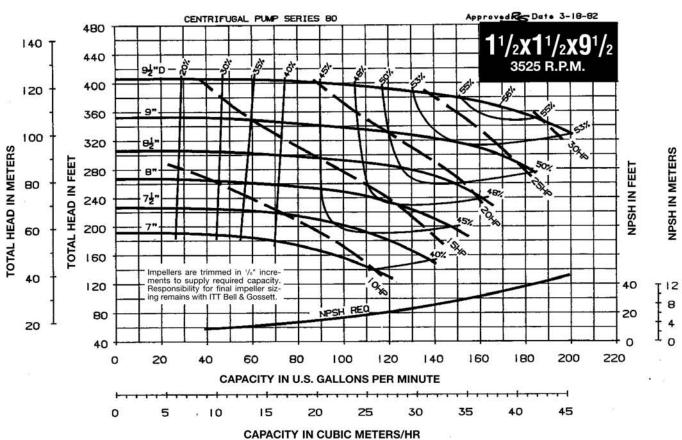


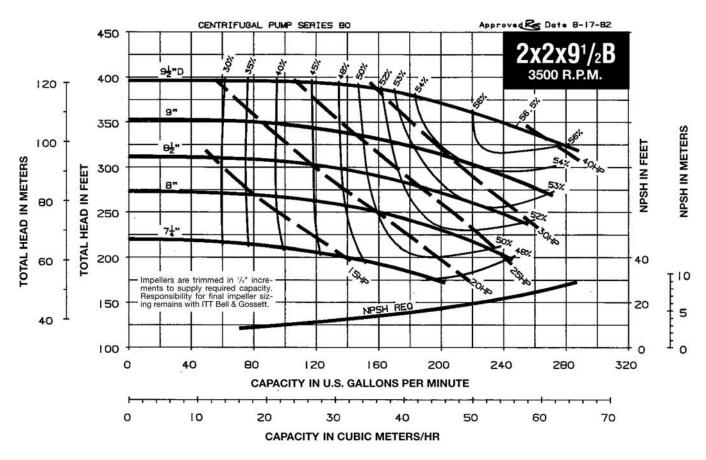


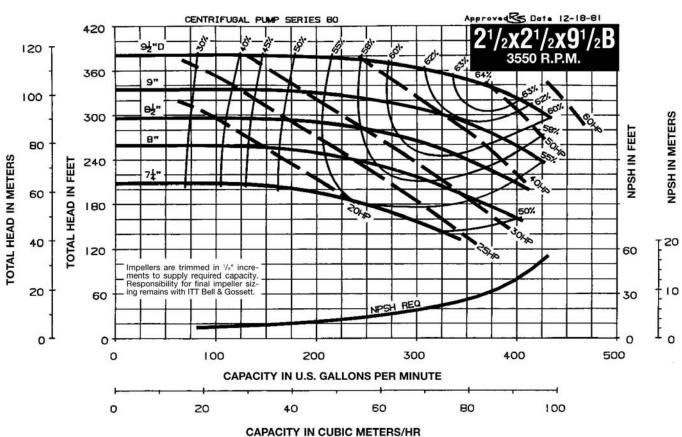


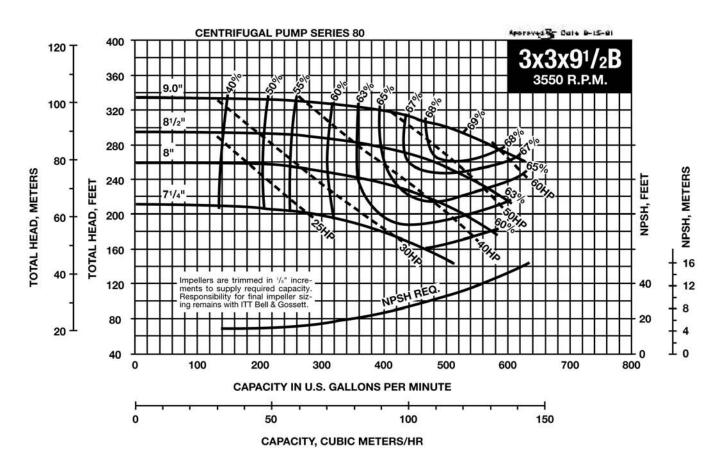


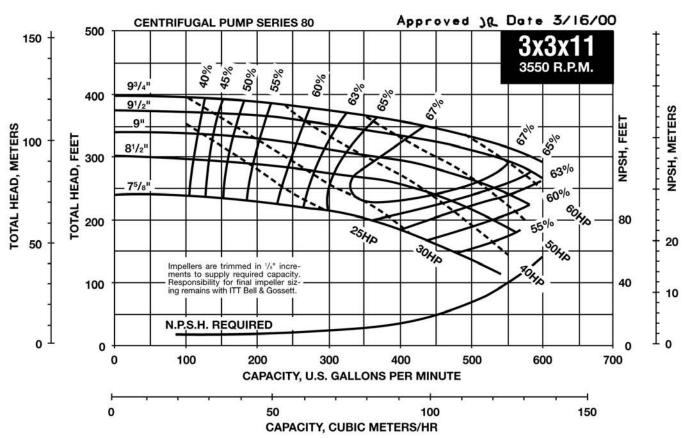


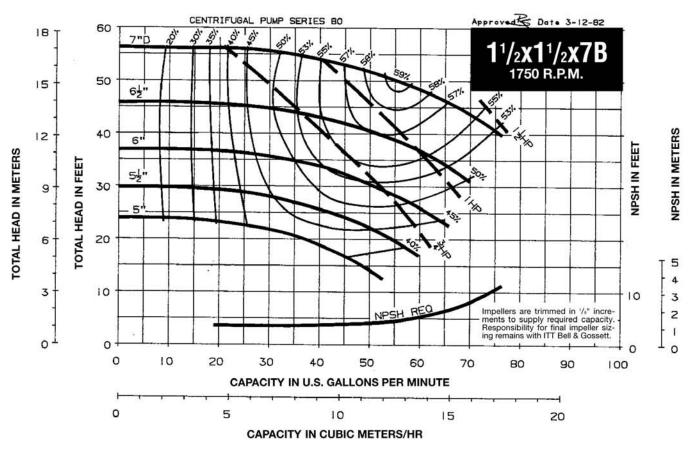


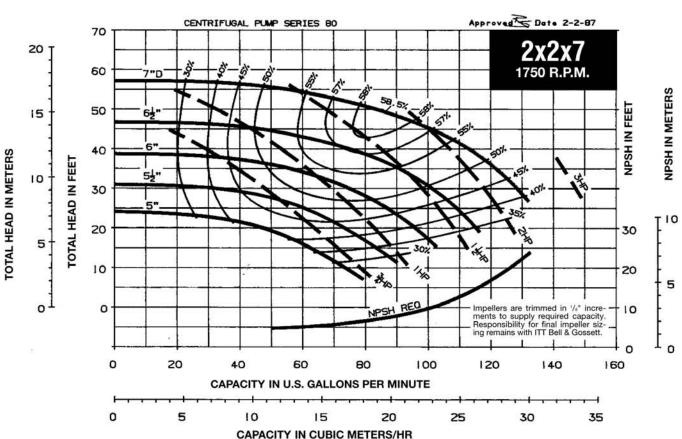


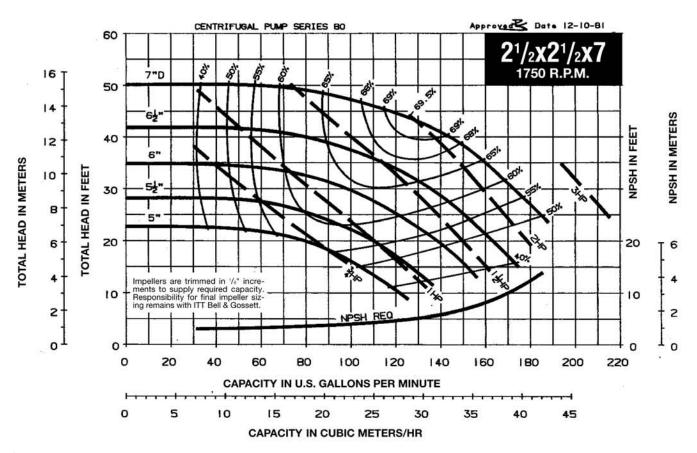


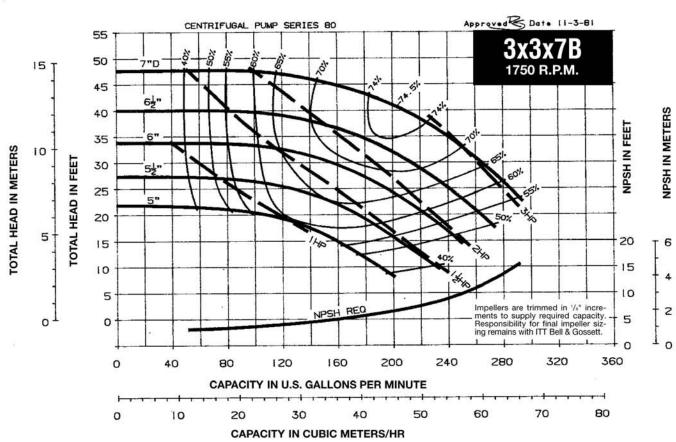


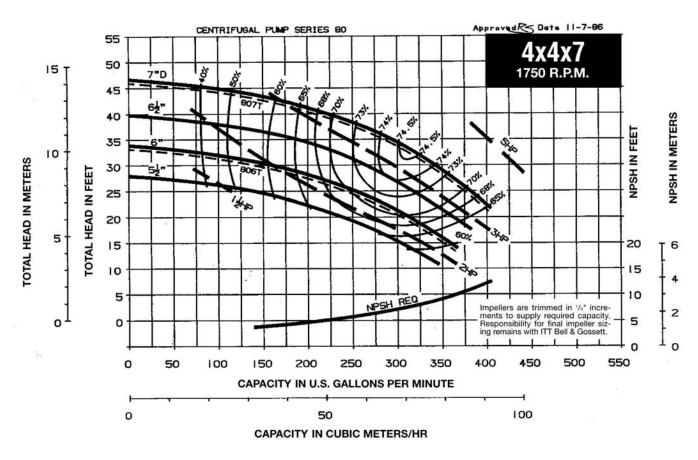


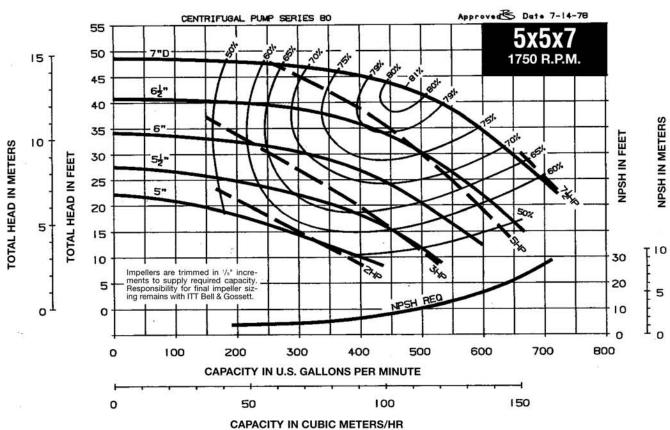


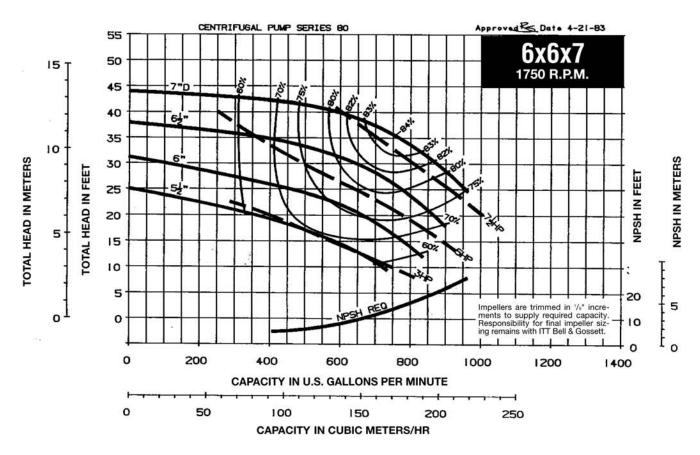


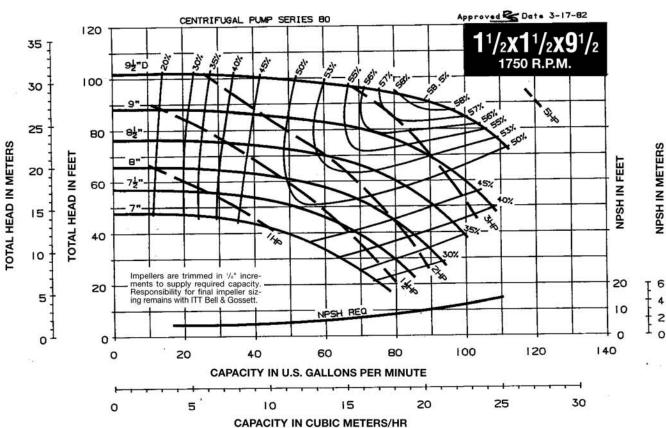


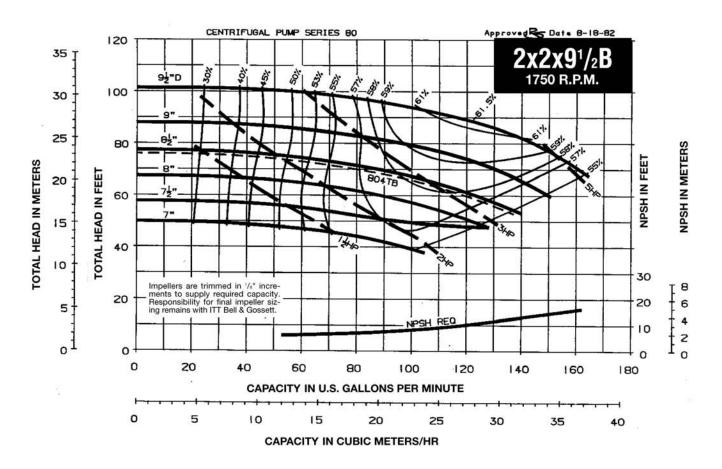


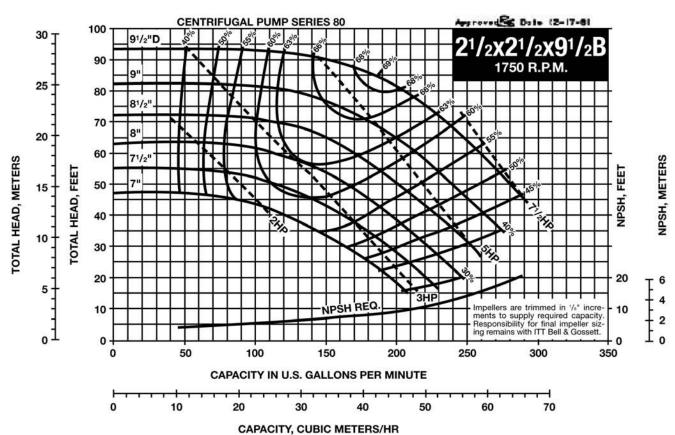


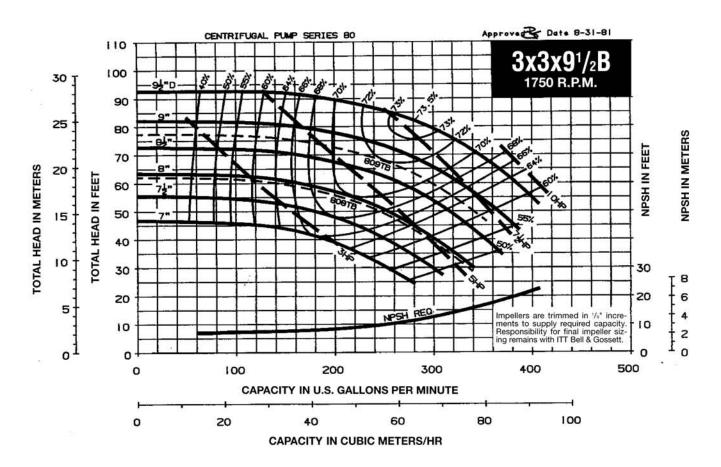


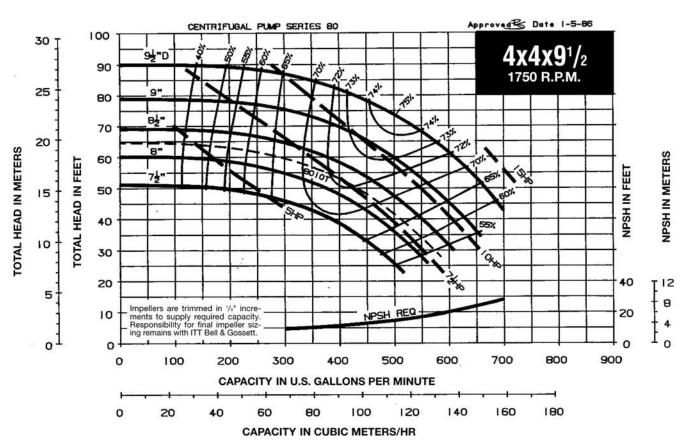


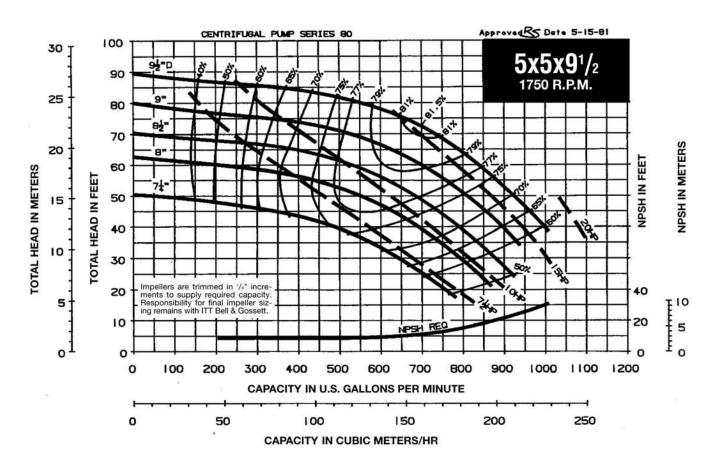


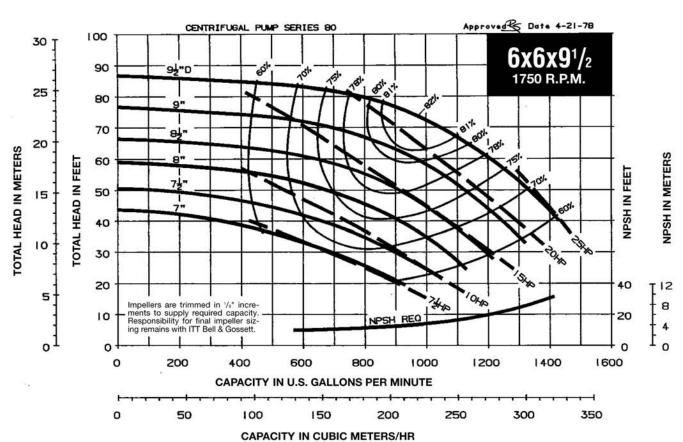


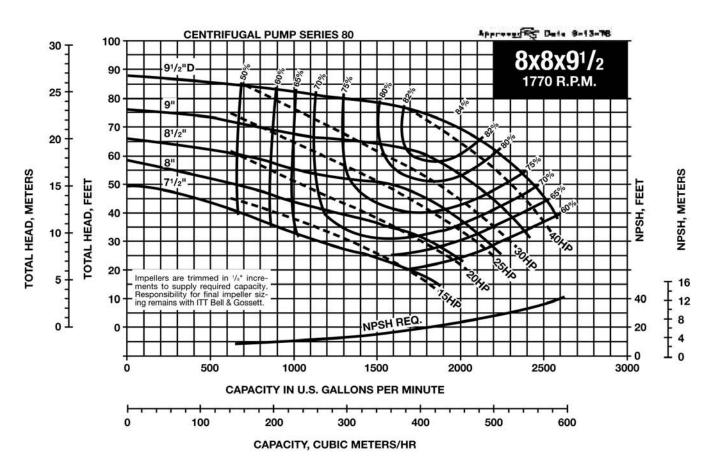


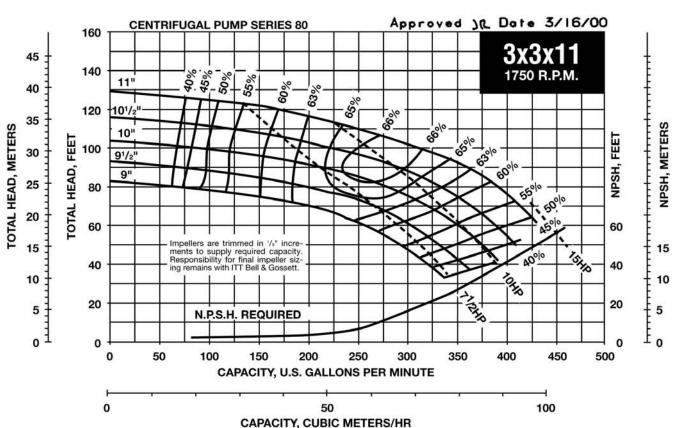


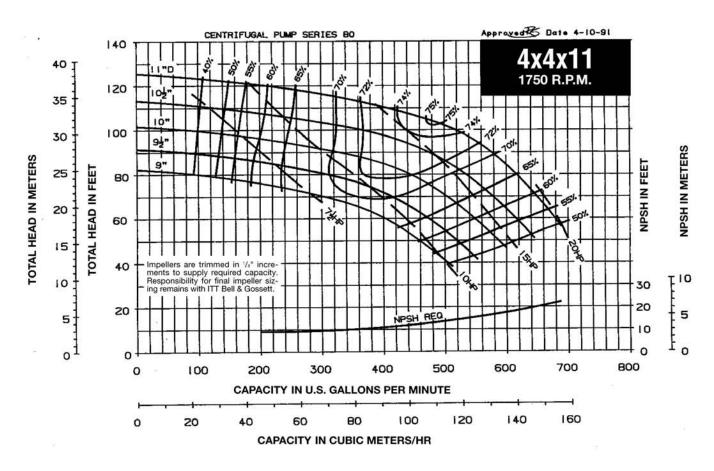


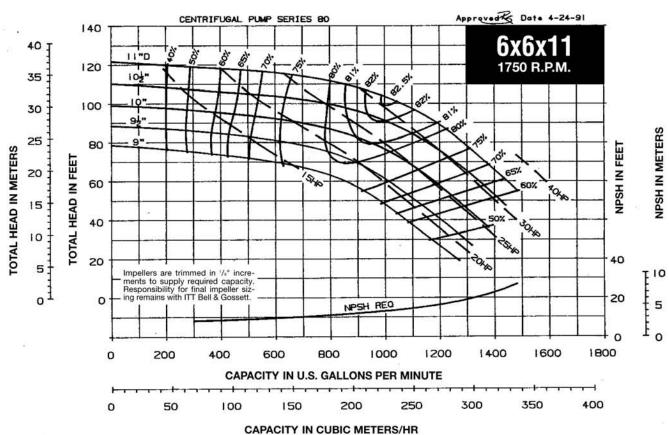


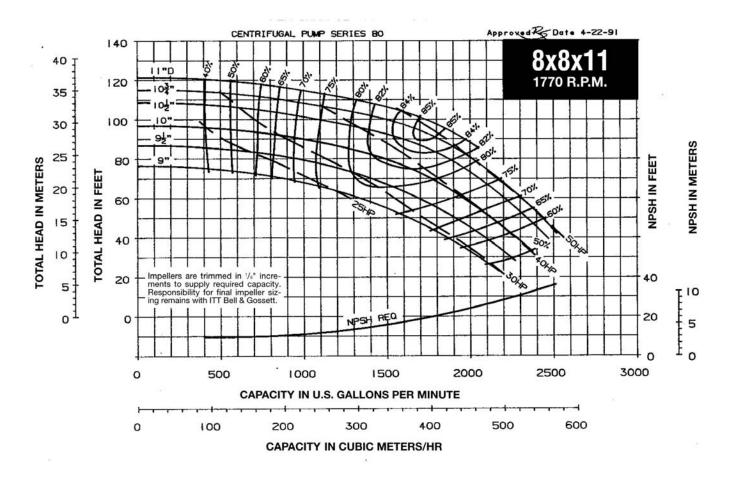


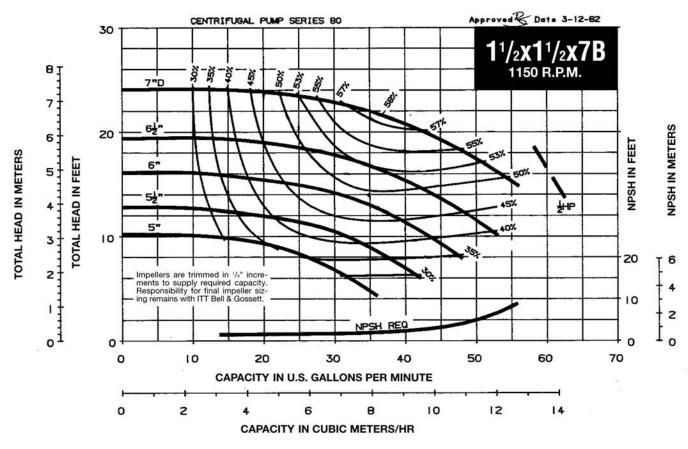


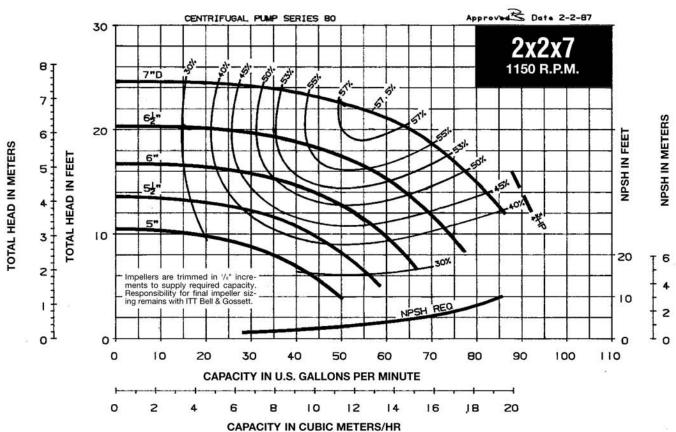


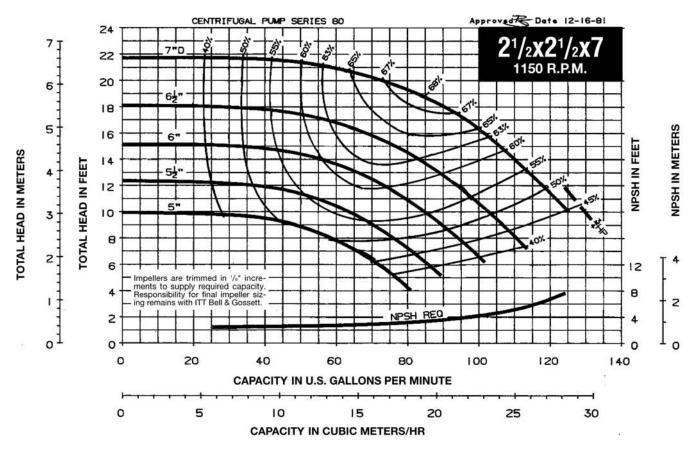


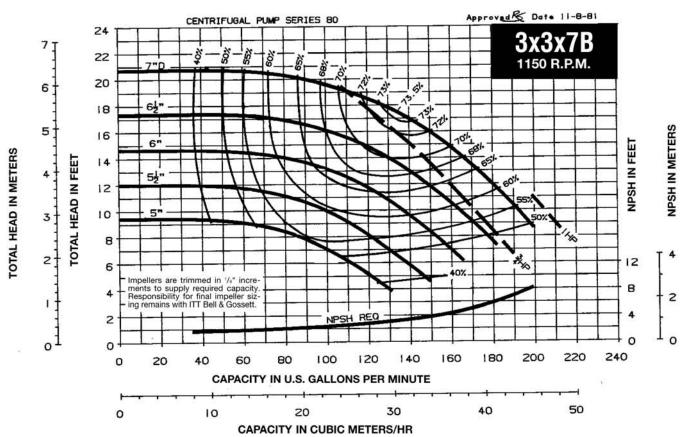


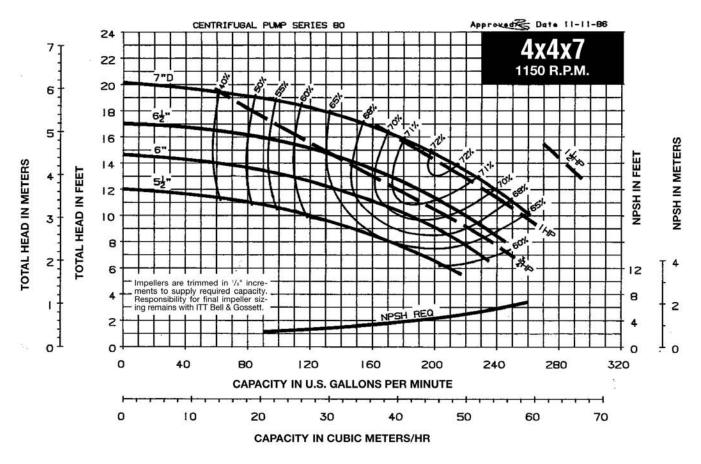


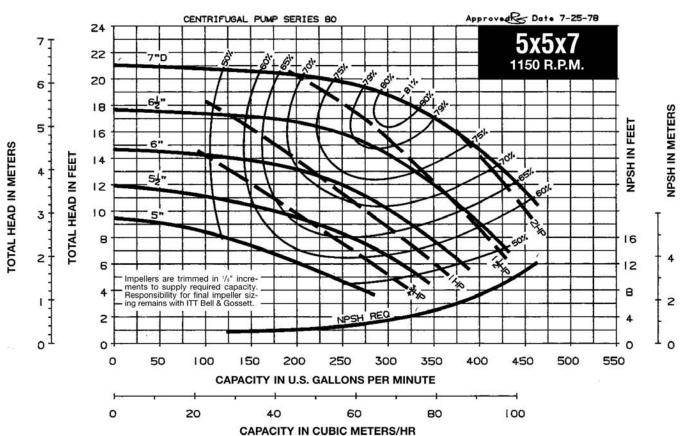


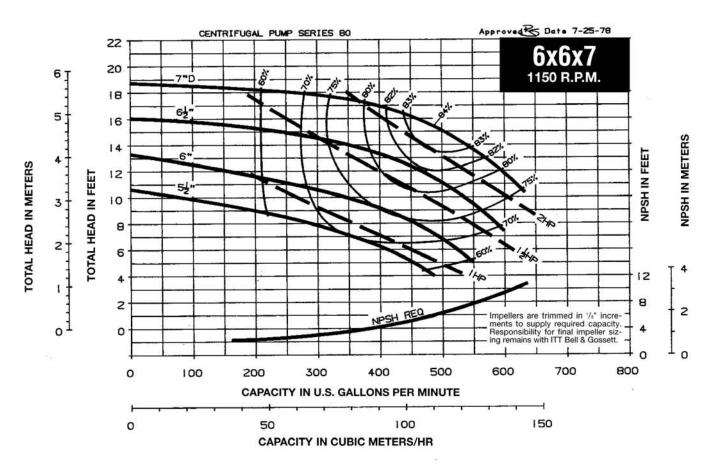


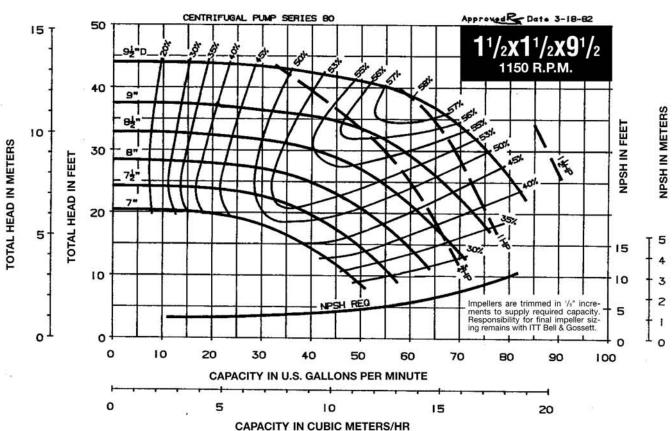


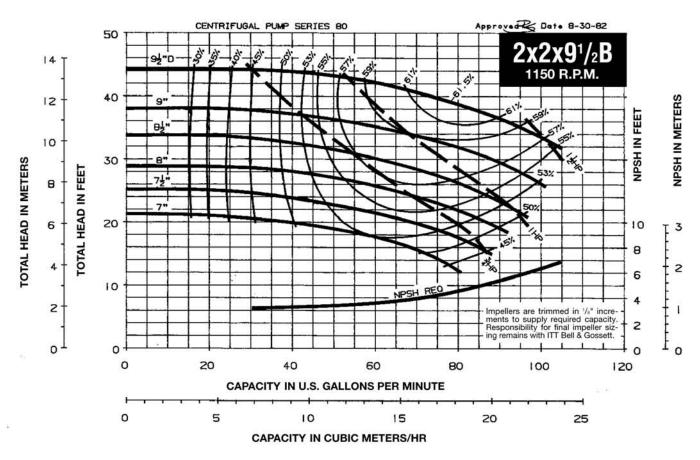


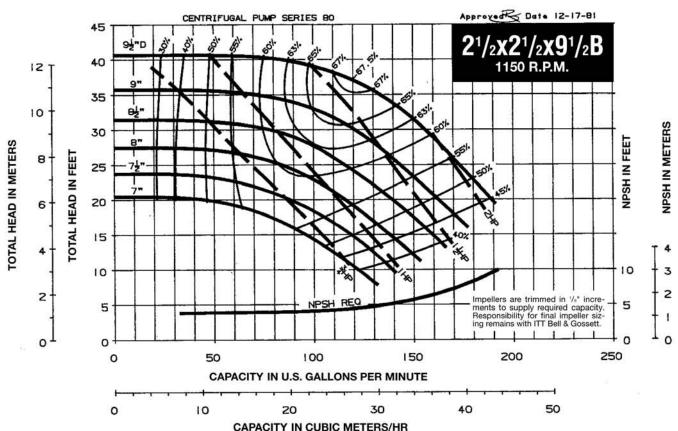


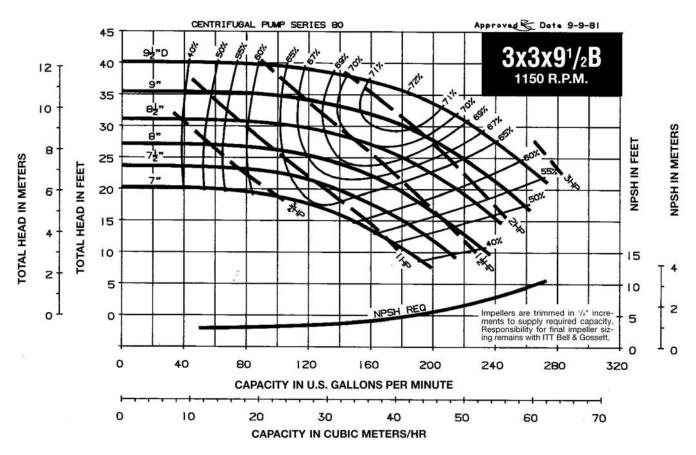


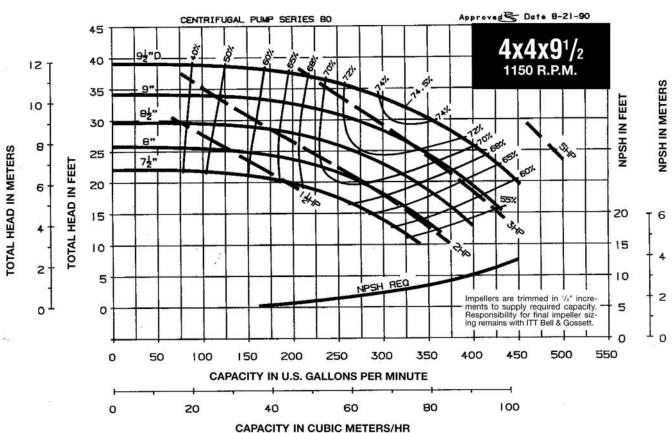


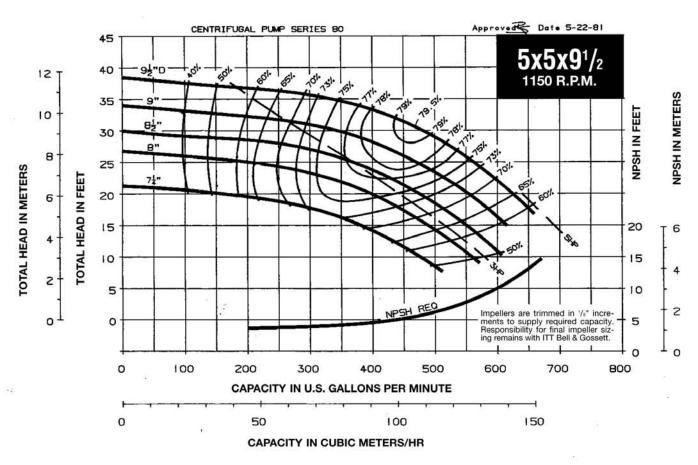


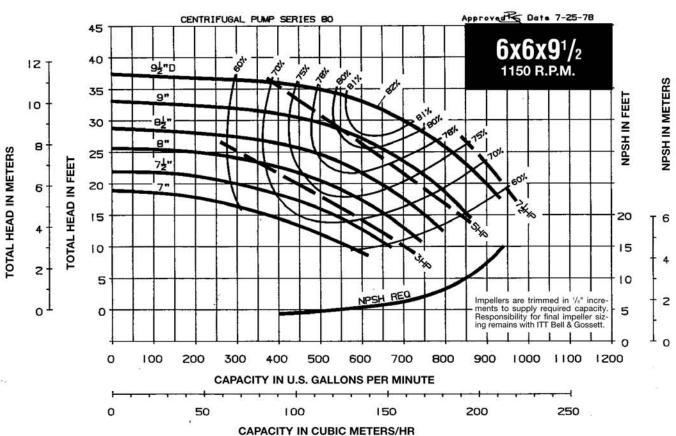


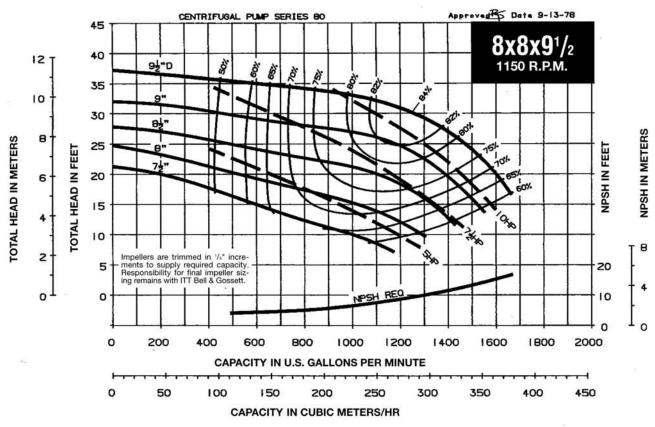


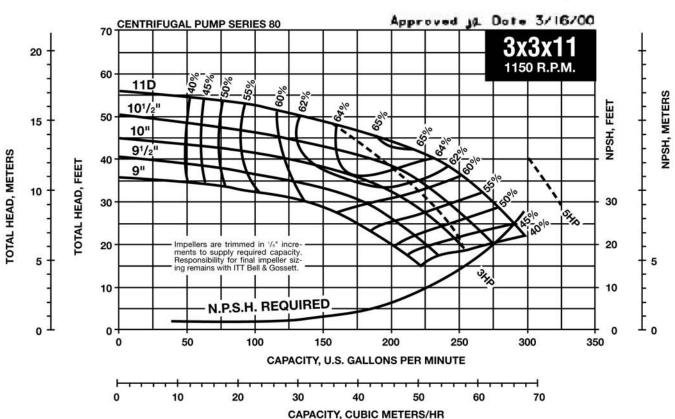


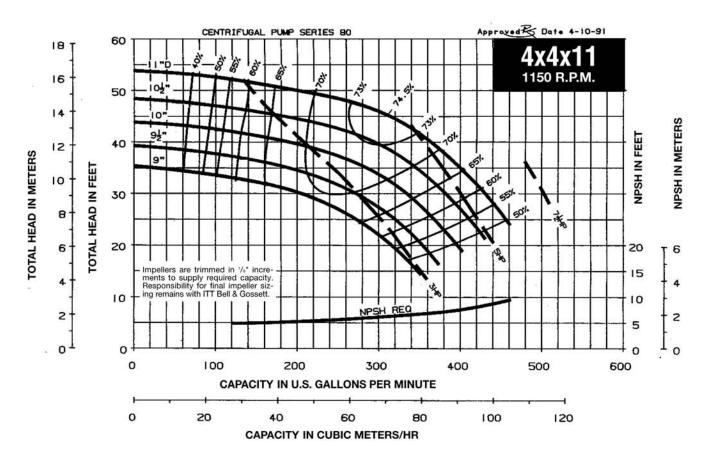


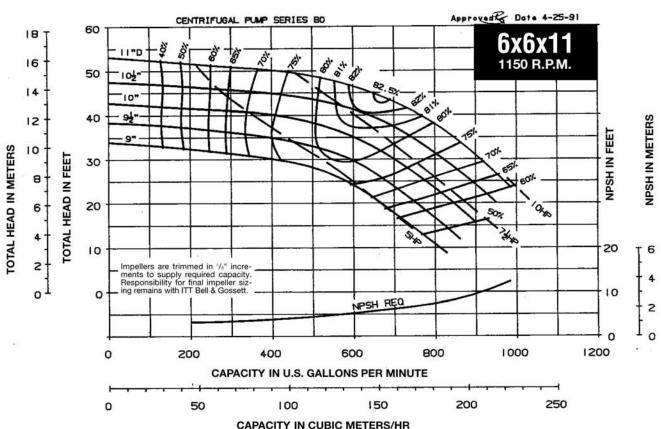


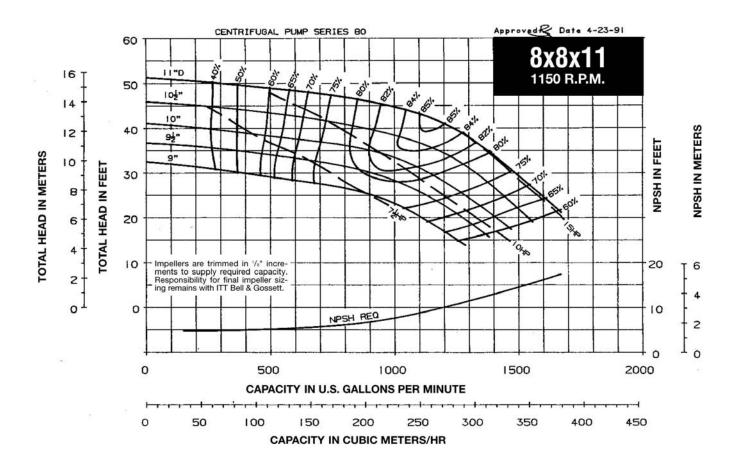












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