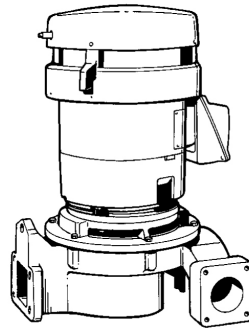
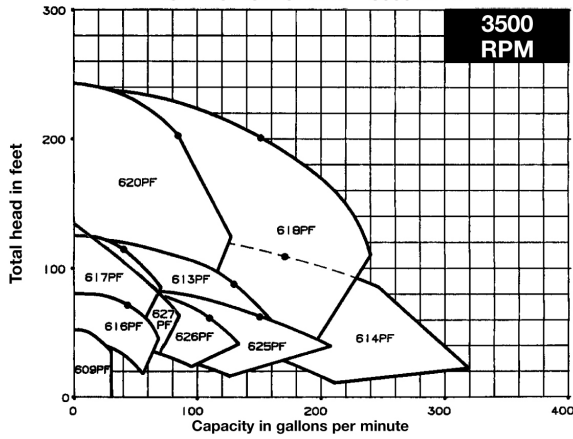


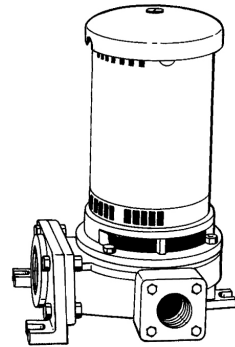
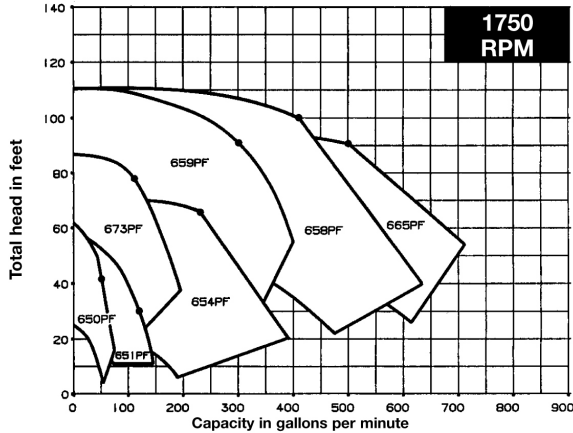
SELECTION CHART - 3500 RPM



SERIES C35, STYLE PF

**CURVES**  
S-96C

SELECTION CHART - 1750 RPM



SERIES C35, STYLE PVF

• Indicates 10' NPSH Requirement position

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

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

# TABLE OF CONTENTS

## 3500 RPM PUMPS

MODEL	DISCHARGE (inches)	SUCTION* (PF Flange or PVF NPT)	MAX. IMPELLER (inches)	PAGE
609PF or (PVF)	3/4	"A" (1 1/2)	3 11/16	3
613PF or (PVF)	2	"A" (2 1/2)	5 9/16	3
614PF or (PVF)	2 1/2	"D" (4)	5 9/16	4
616PF or (PVF)	1 1/2	"A" (2)	4 9/16	4
617PF or (PVF)	1 1/2	"A" (2)	4 9/16	5
618PF or (PVF)	2	"A" (4)	7 9/16	5
620PF or (PVF)	1 1/2 (2)	"A" (2 1/2)	7 9/16	6
625PF or (PVF)	2	"A" 3	4 9/16	6
626PF or (PVF)	2	"A" (2 1/2)	4 9/16	7
627PF or (PVF)	2	"A" (2 1/2)	5 9/16	7

## 1750 RPM PUMPS

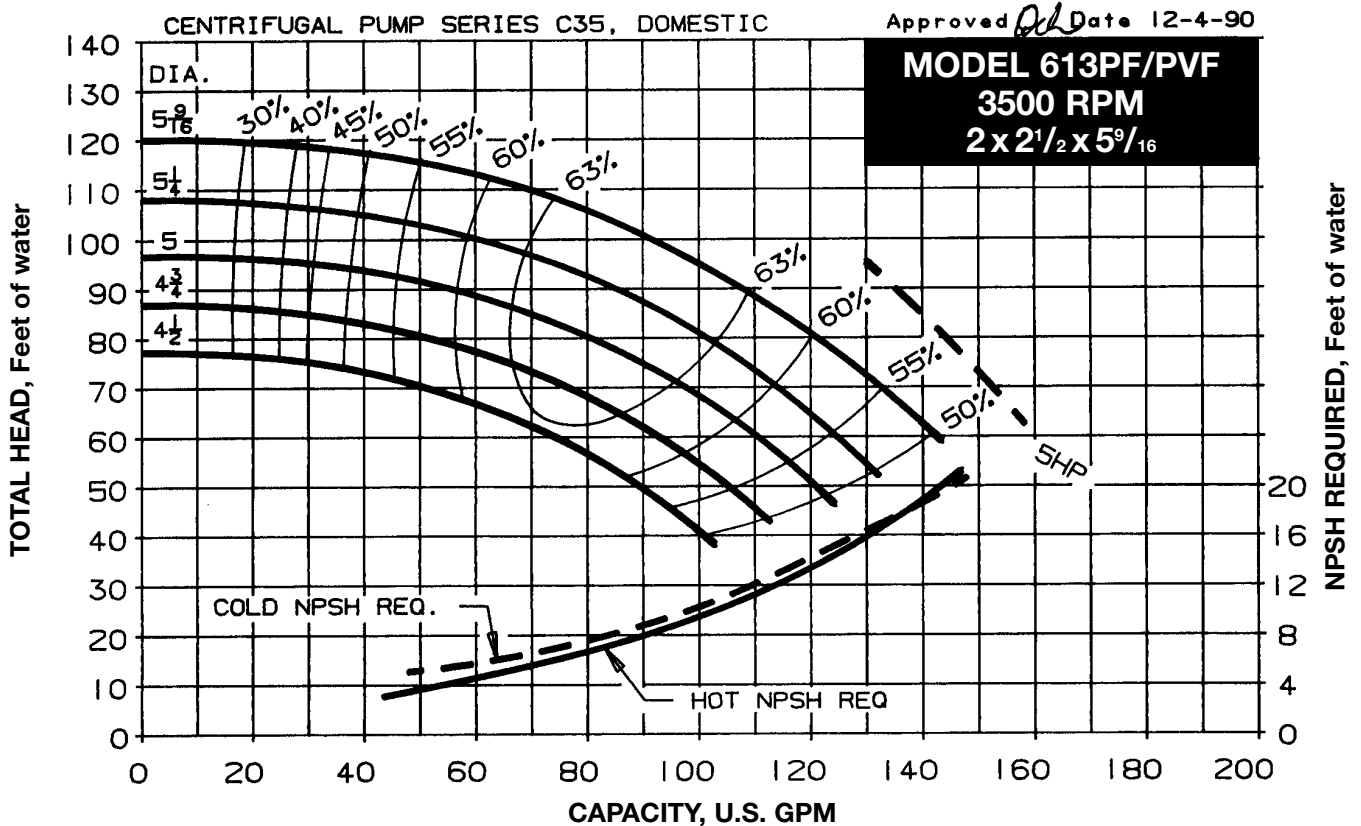
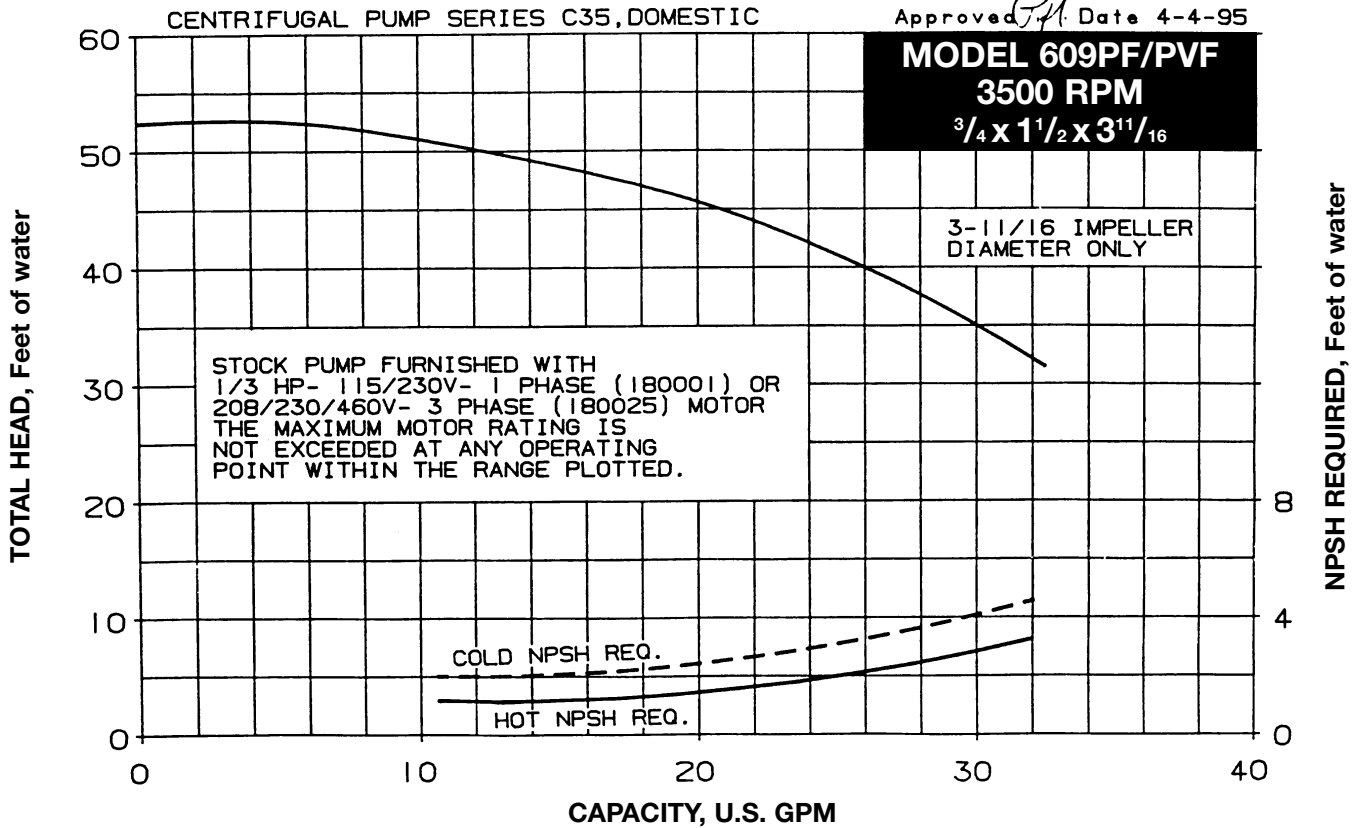
650PF or (PVF)	1 1/2	"A" (2 1/2)	7 9/16	8
651PF or (PVF)	2	"A" (2 1/2)	7 9/16	8
654PF or (PVF)	3	"B" (C) (4)	8 1/16	9
658PF	3	"C"	10 1/16	9
659PF or (PVF)	3	"B" (4)	10 1/16	10
665PF	4	"C"	10	10
673PF or (PVF)	1 1/2 (2)	"A" (2 1/2)	9 1/16	11

\*Refer to submittal S411 for detailed dimensions on Style PF suction flanges

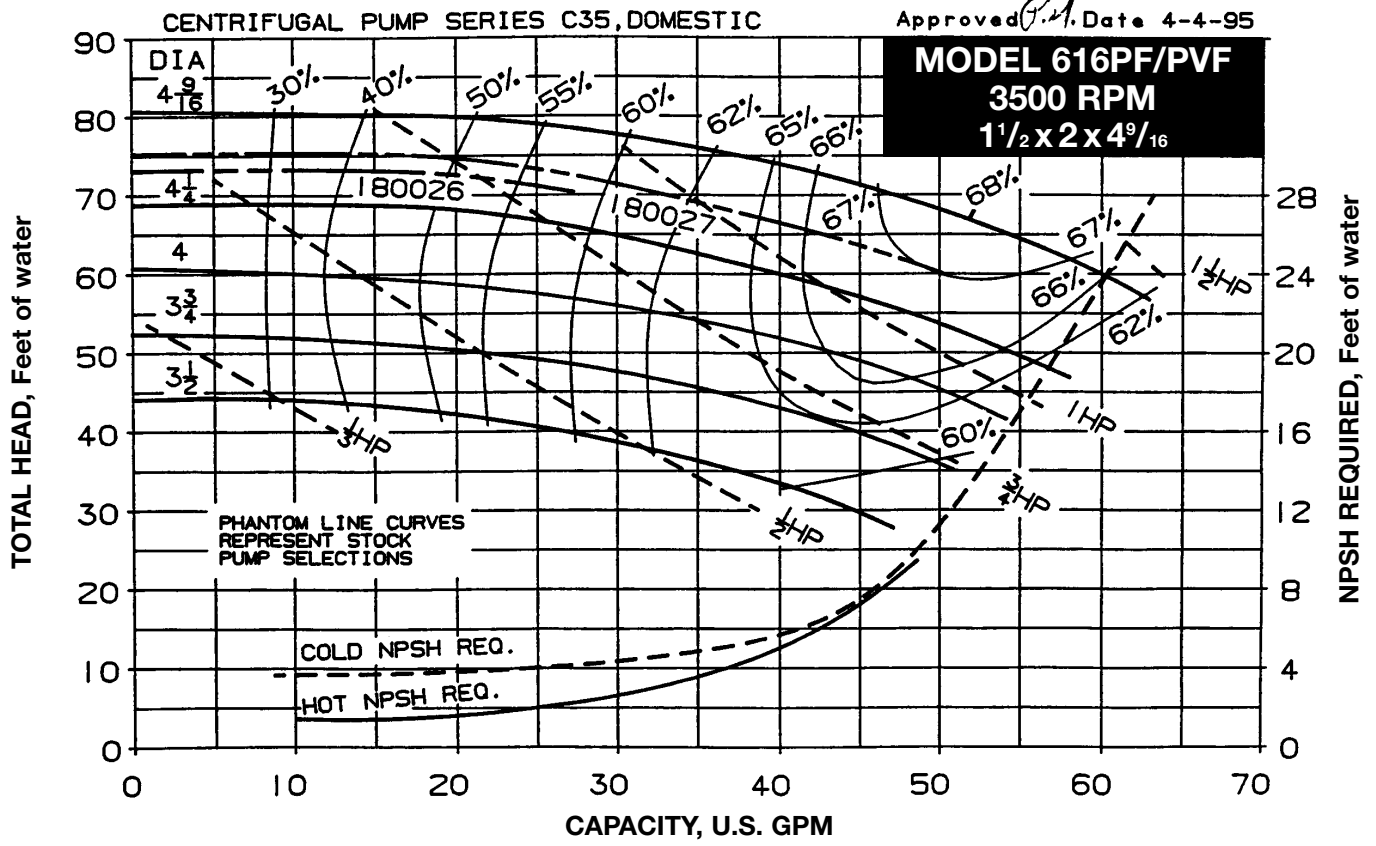
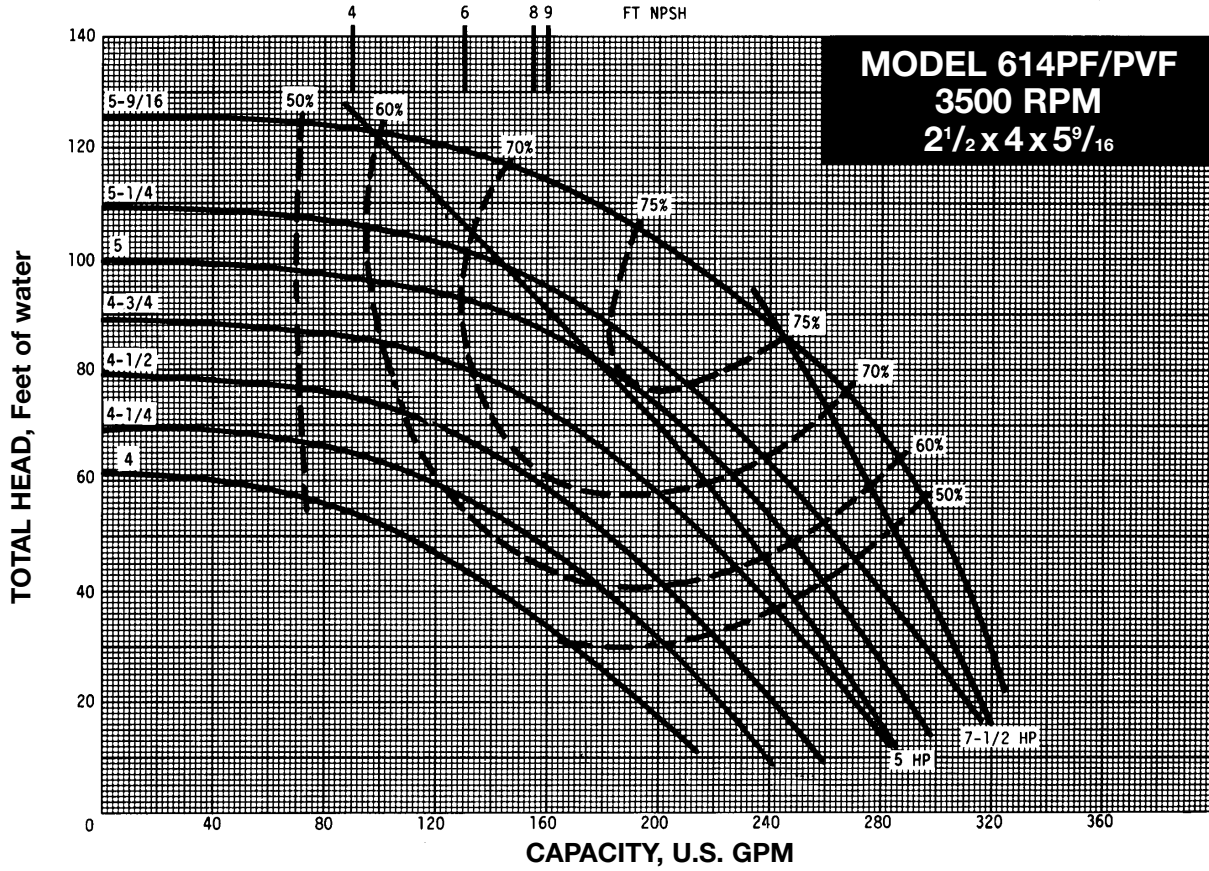
## PERFORMANCE CURVE CHARACTERISTICS

- 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 1/2". Pumps for 15 GPM or less will be orificed and the orifice will have a 3/4 NPT discharge. Orificing is at the discretion of B&G.

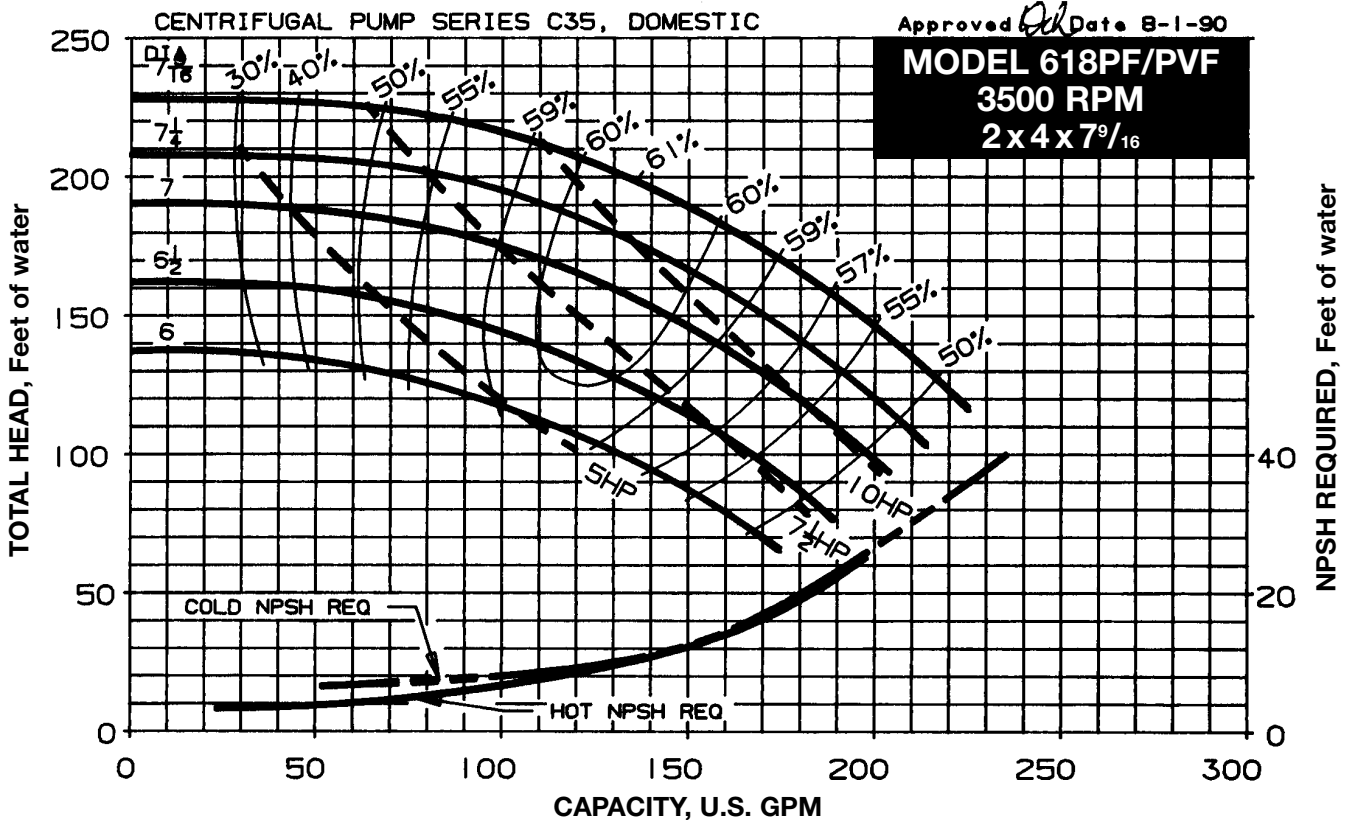
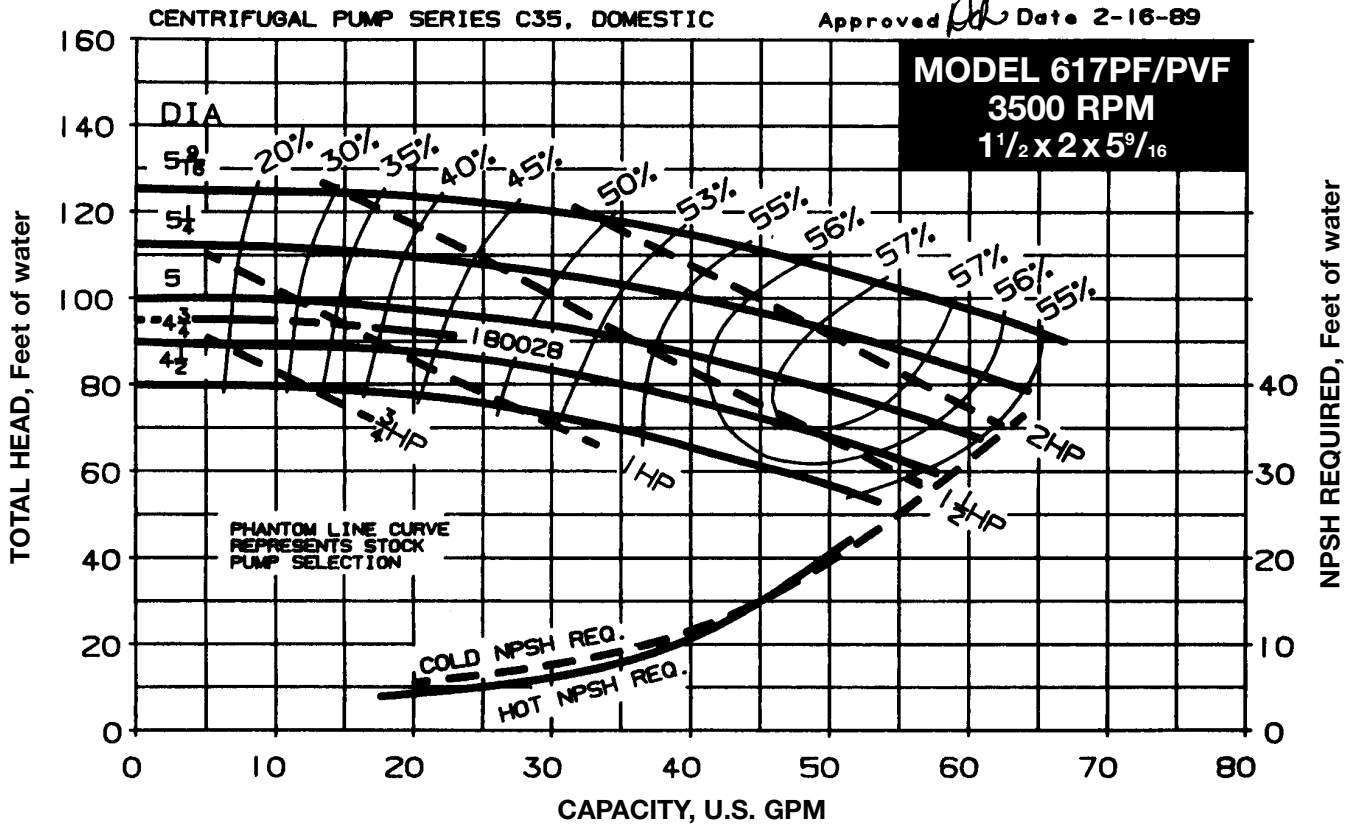
# 3500 RPM PUMP CURVES



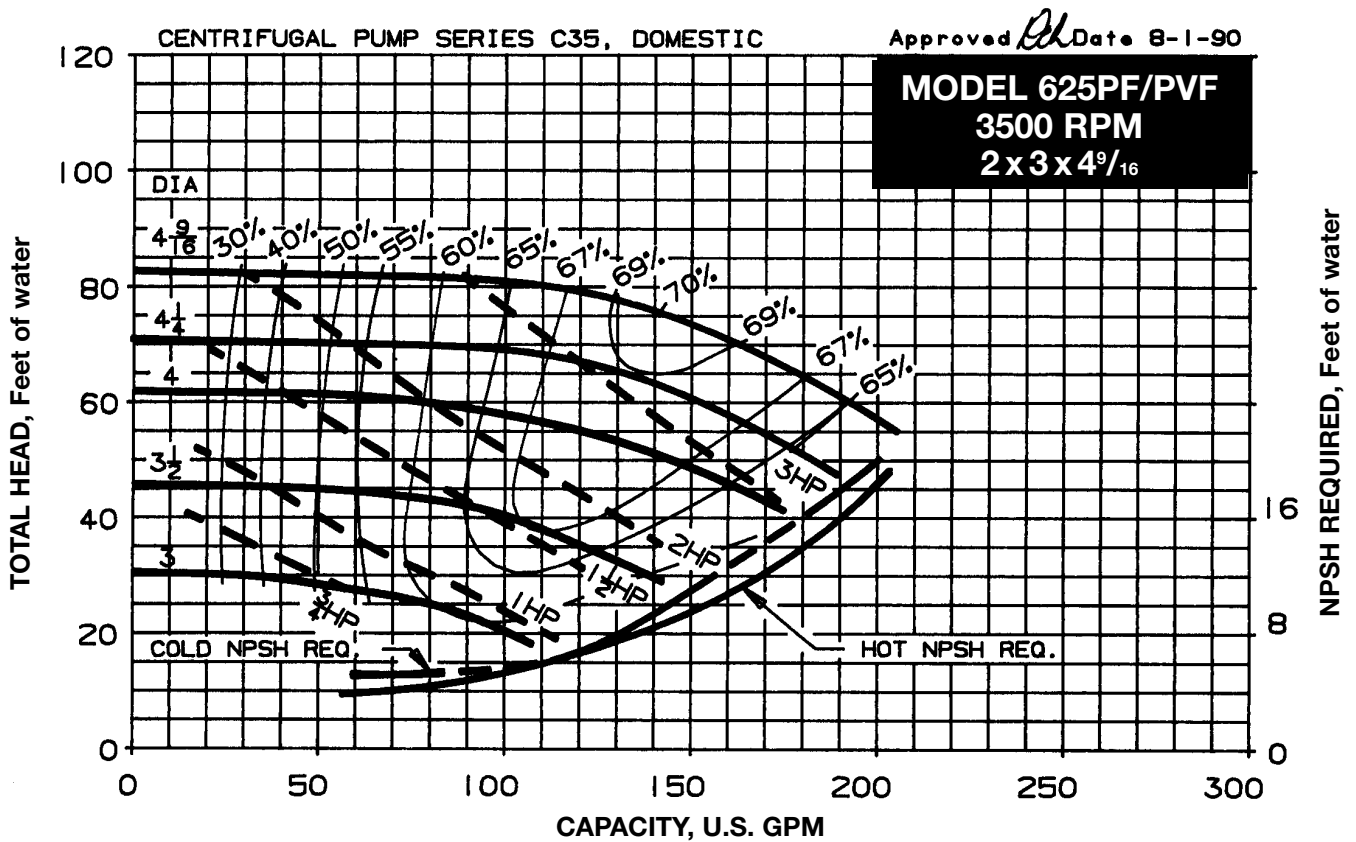
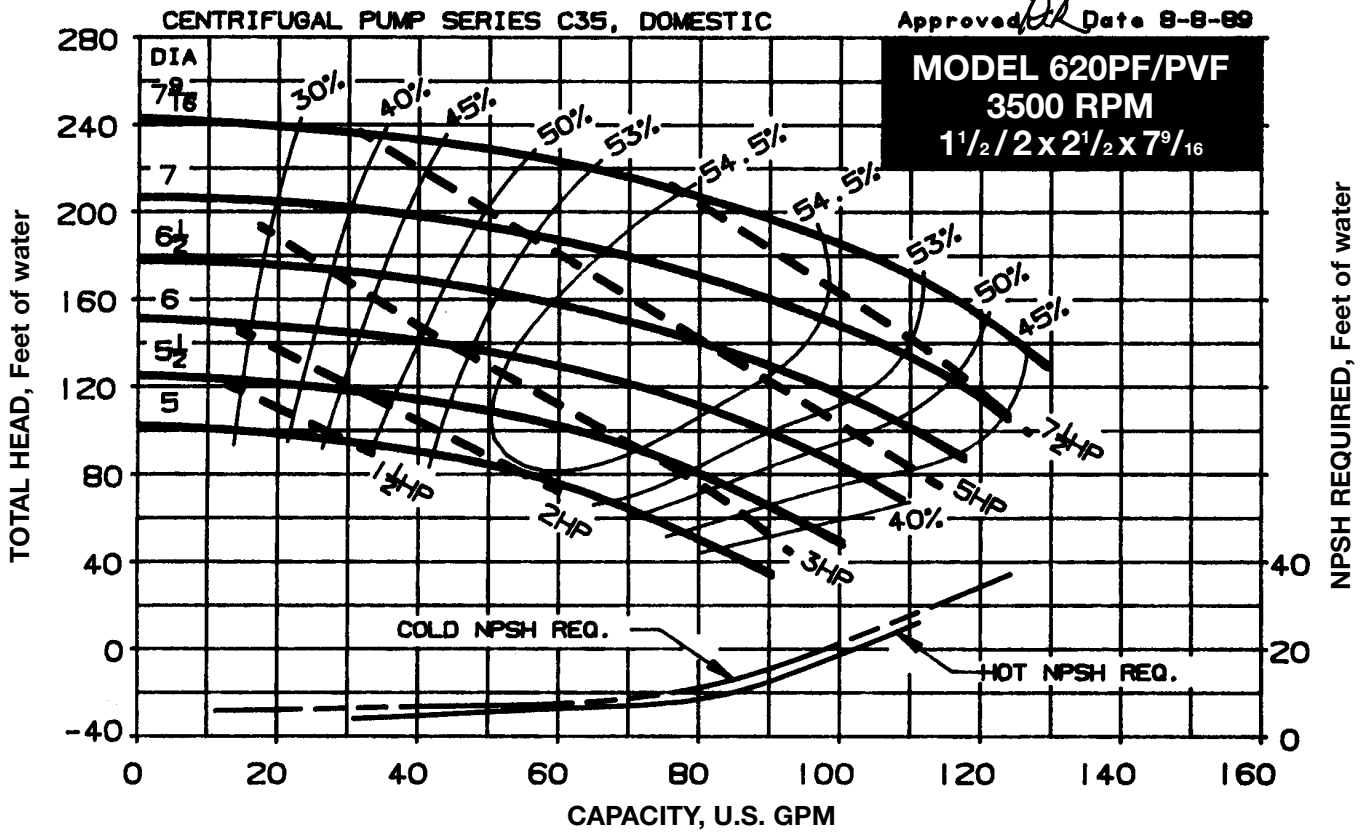
# 3500 RPM PUMP CURVES



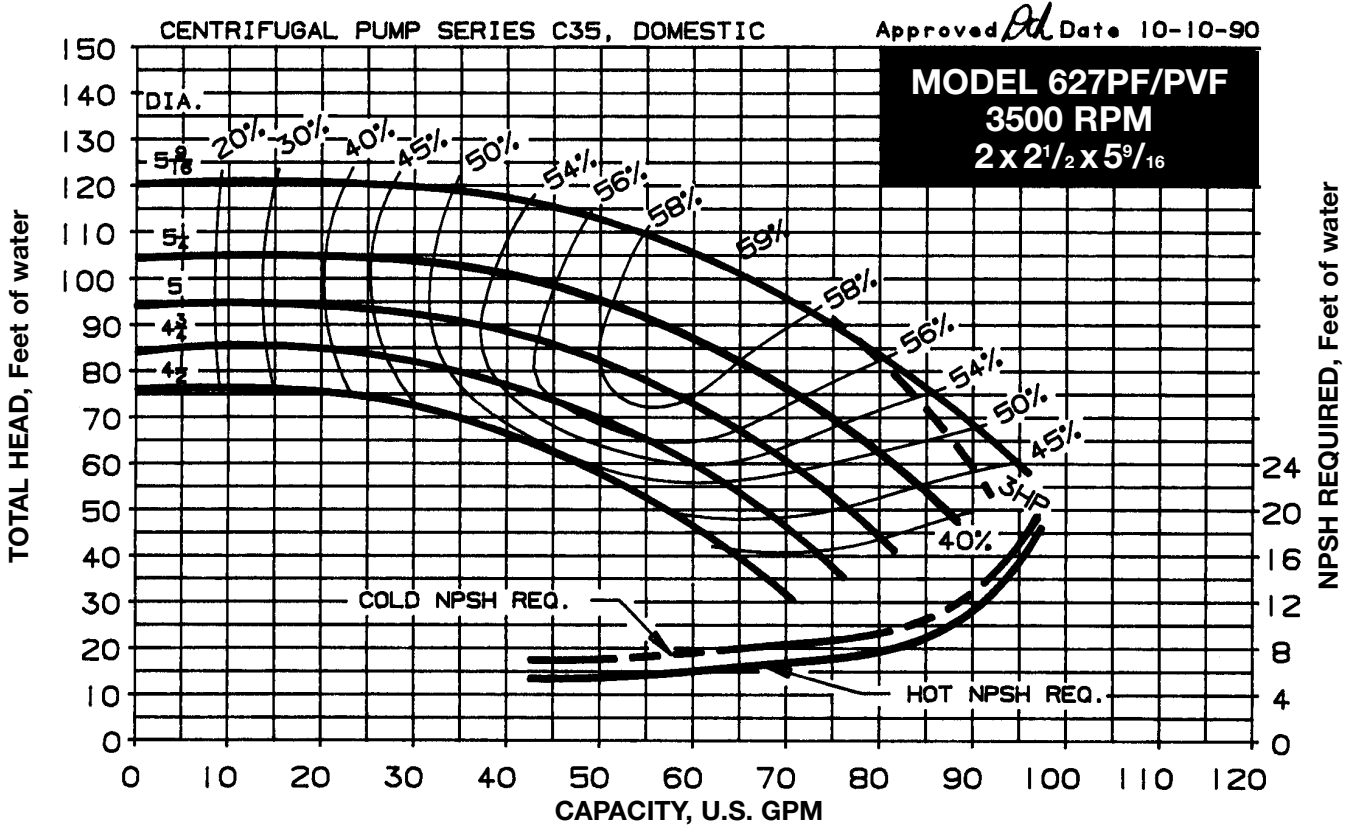
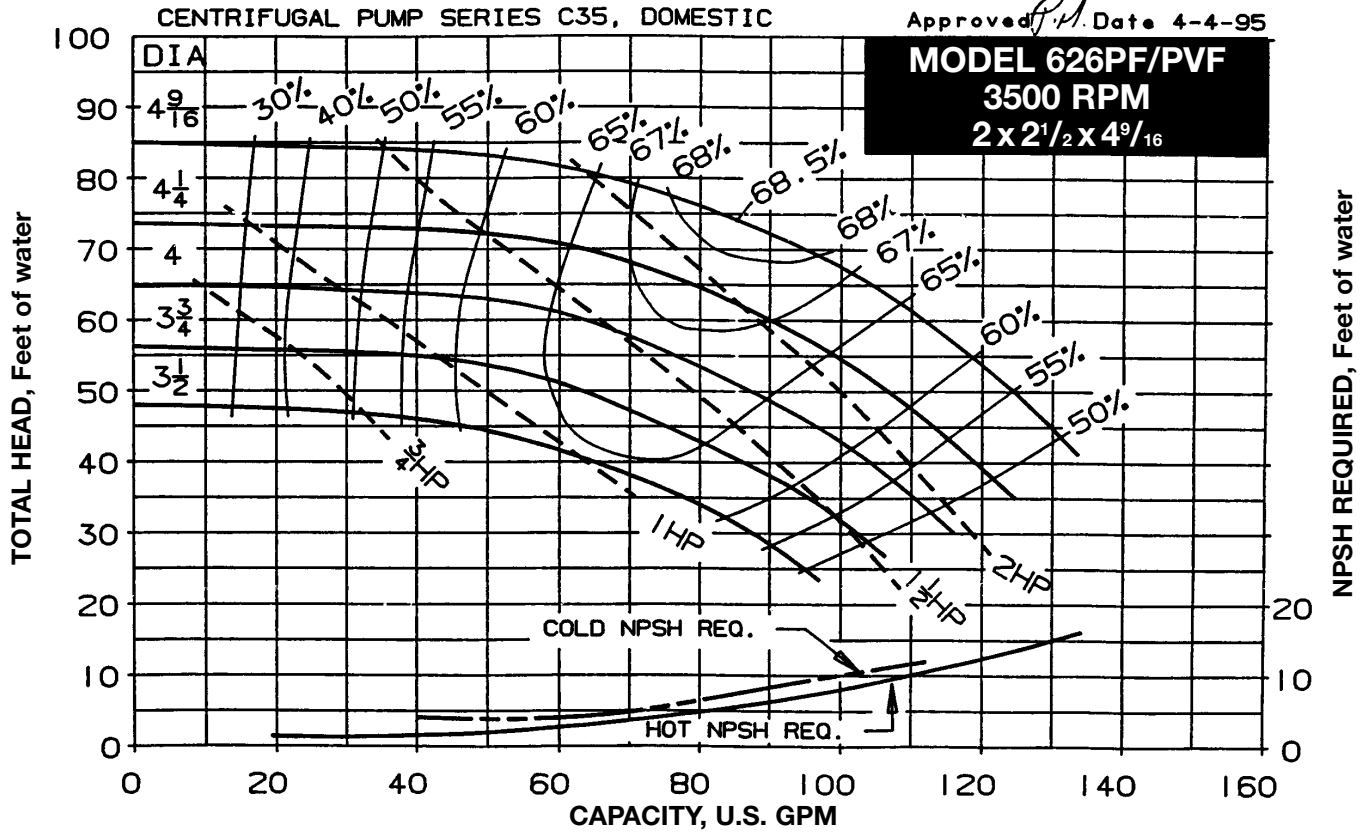
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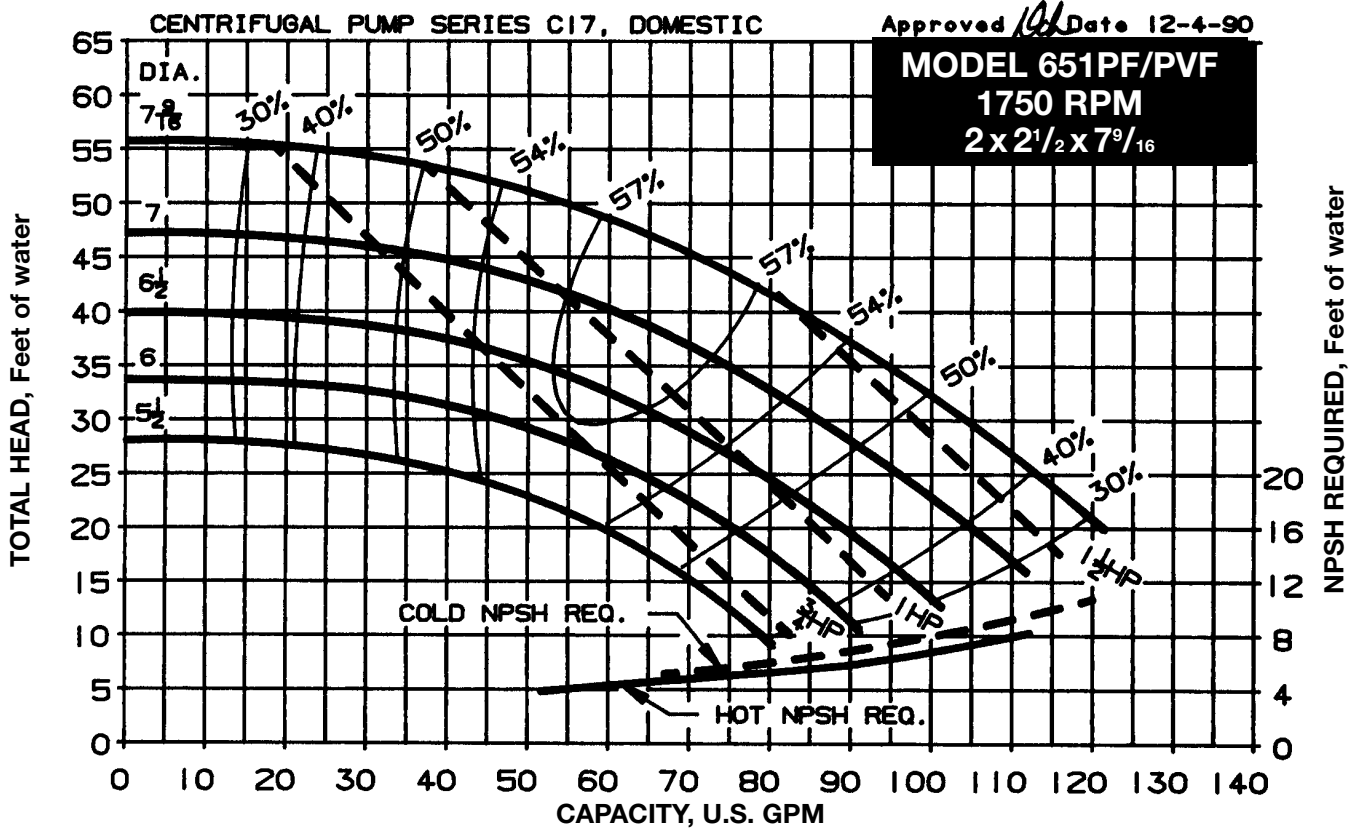
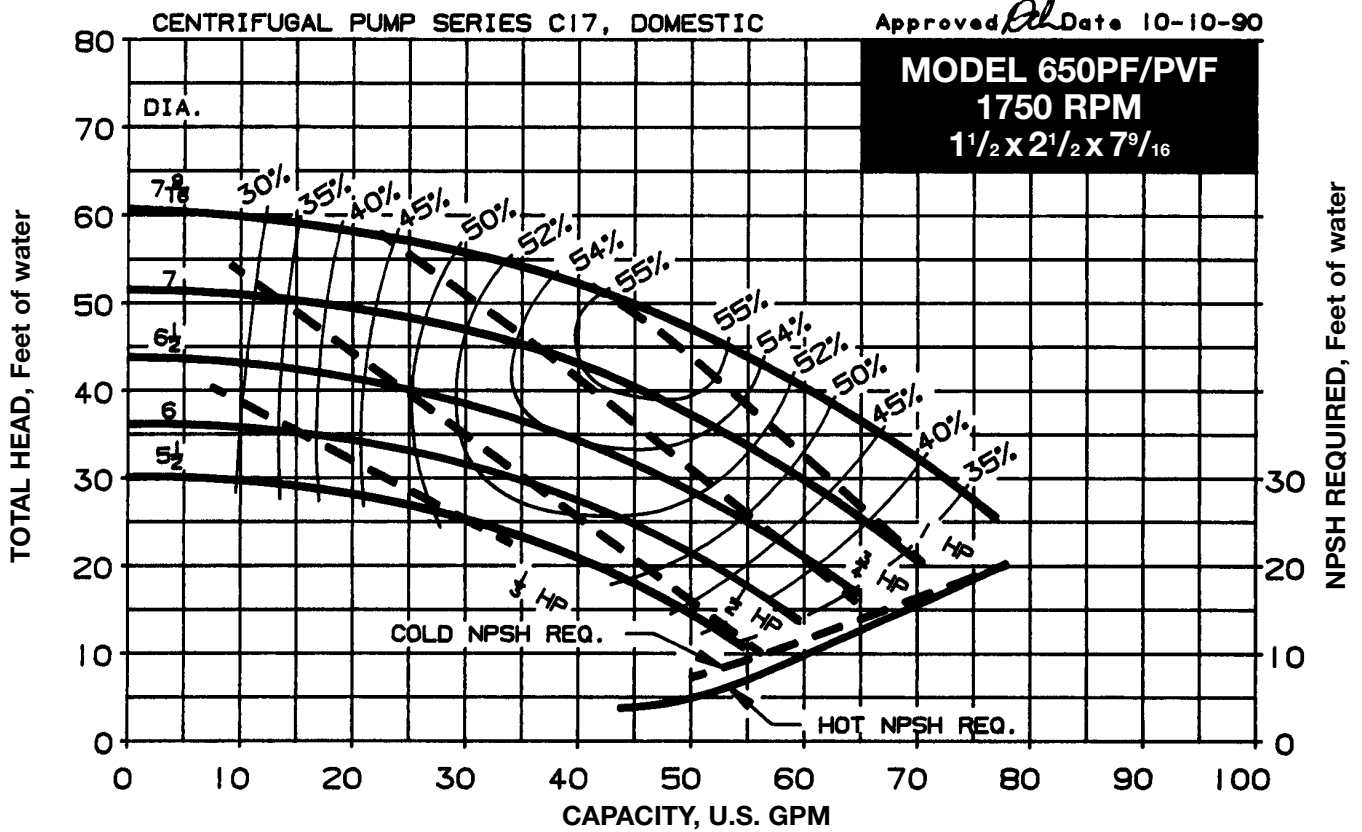
# 3500 RPM PUMP CURVES



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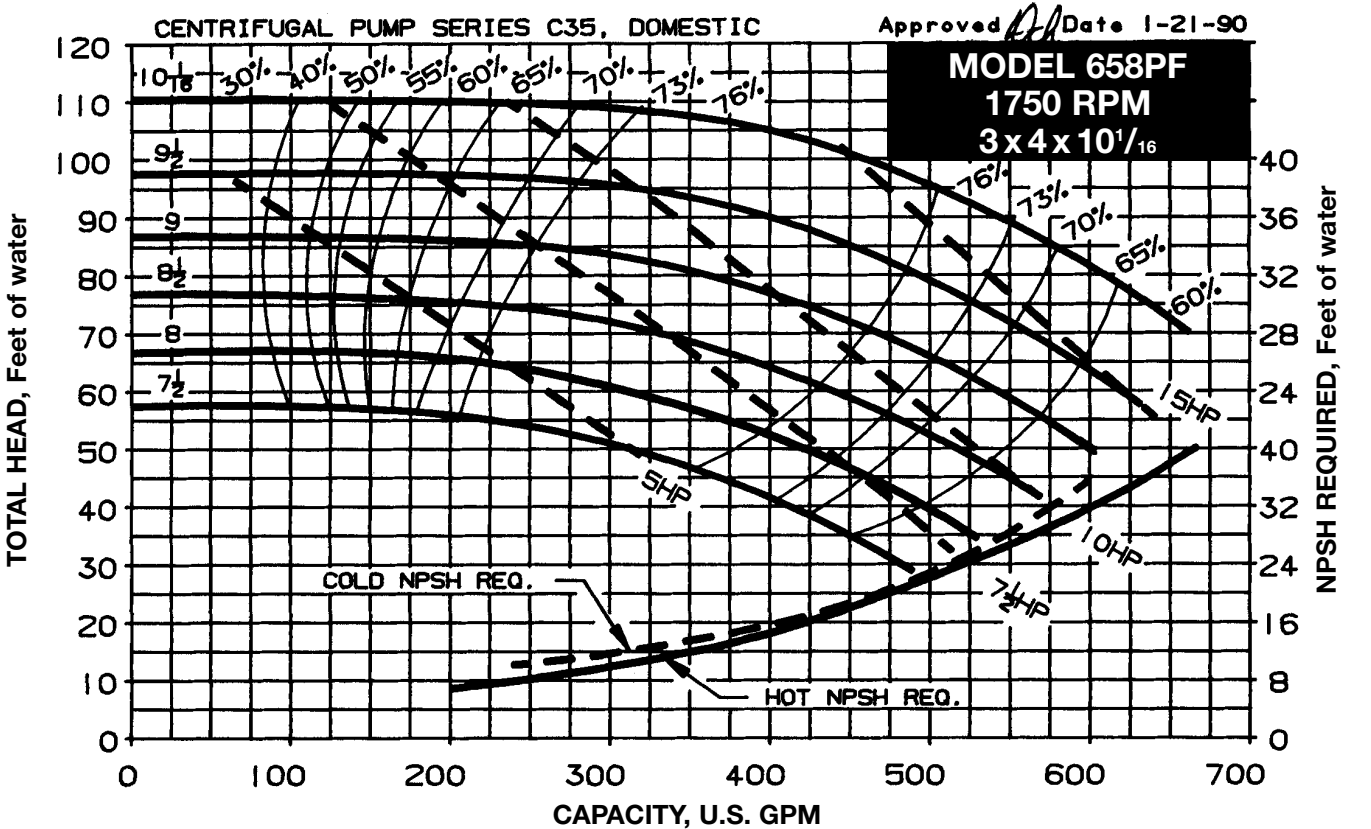
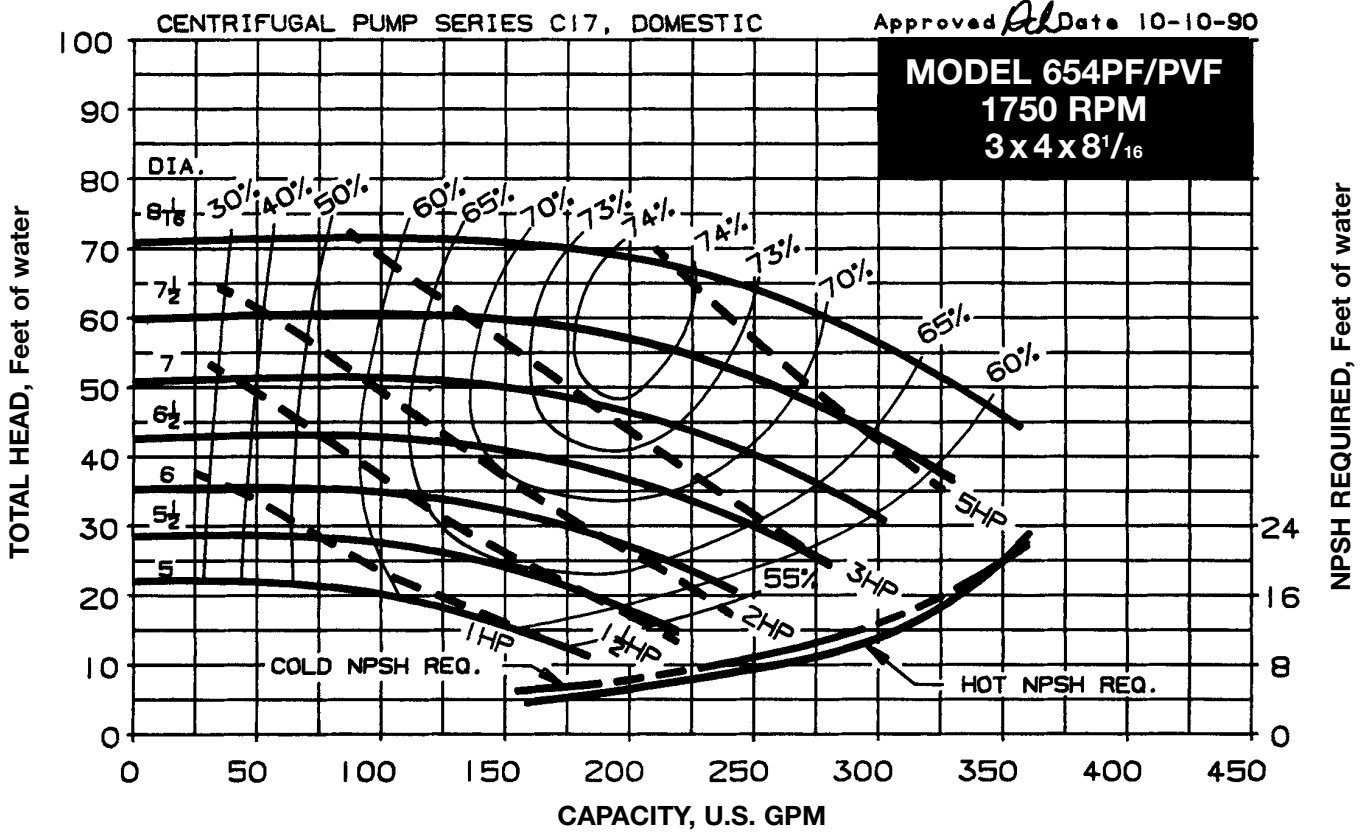


# 1750 RPM PUMP CURVES

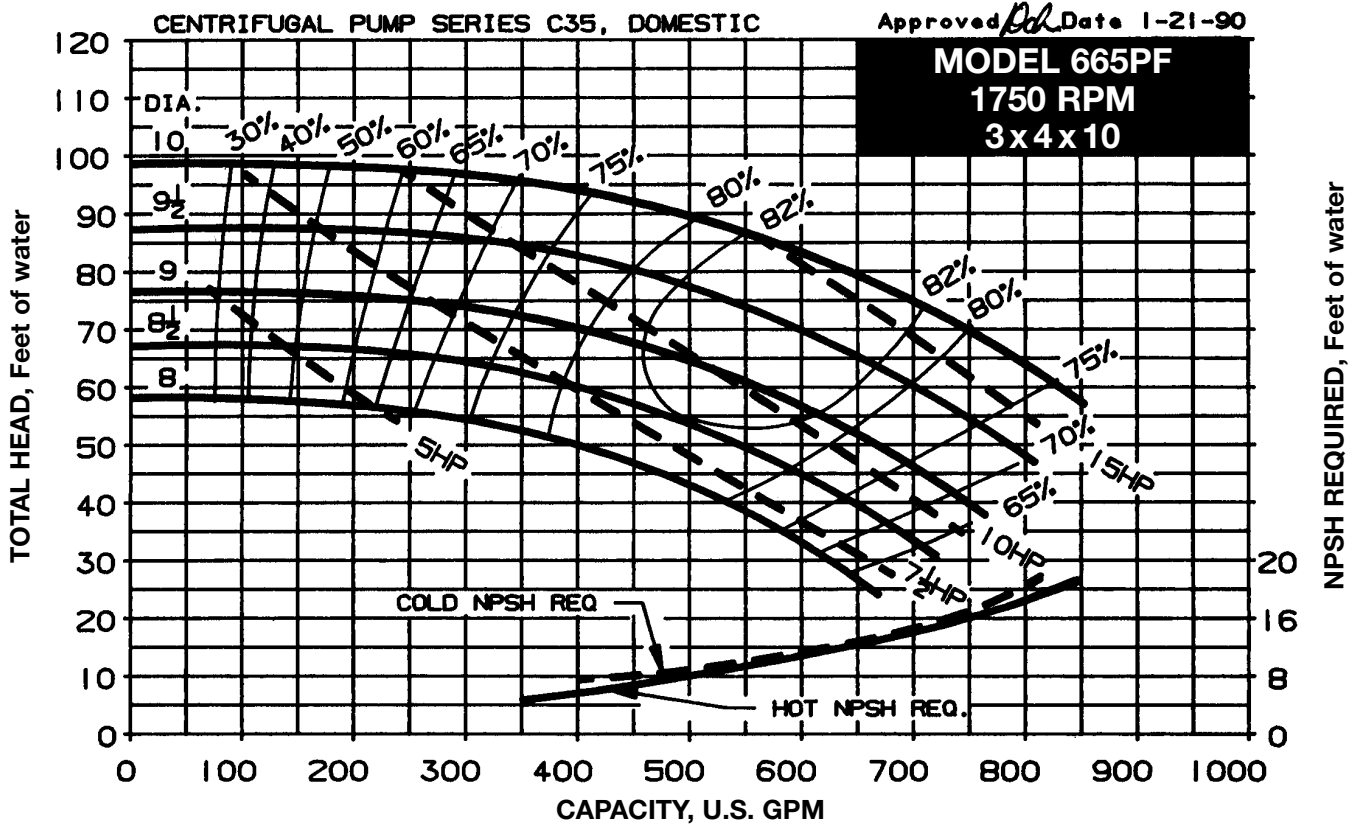
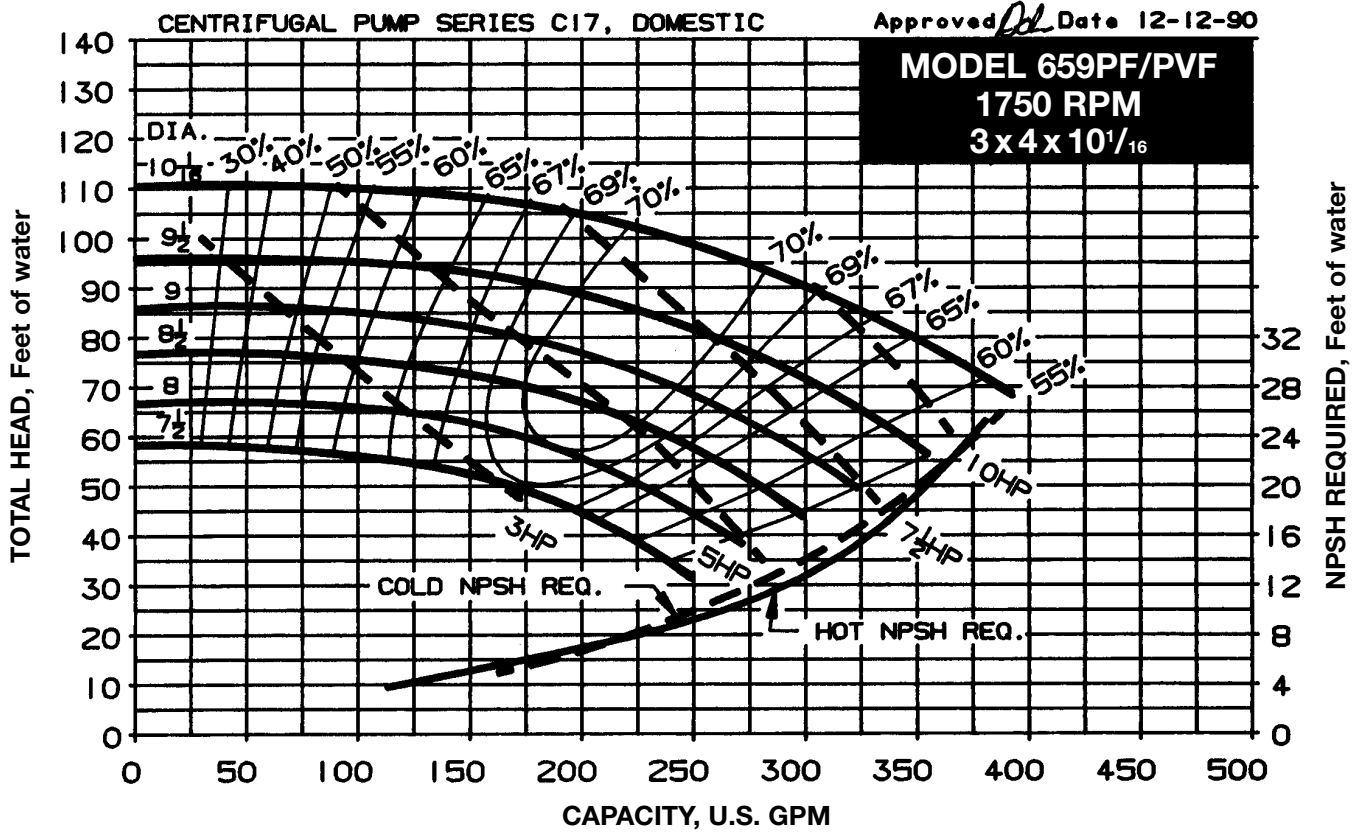




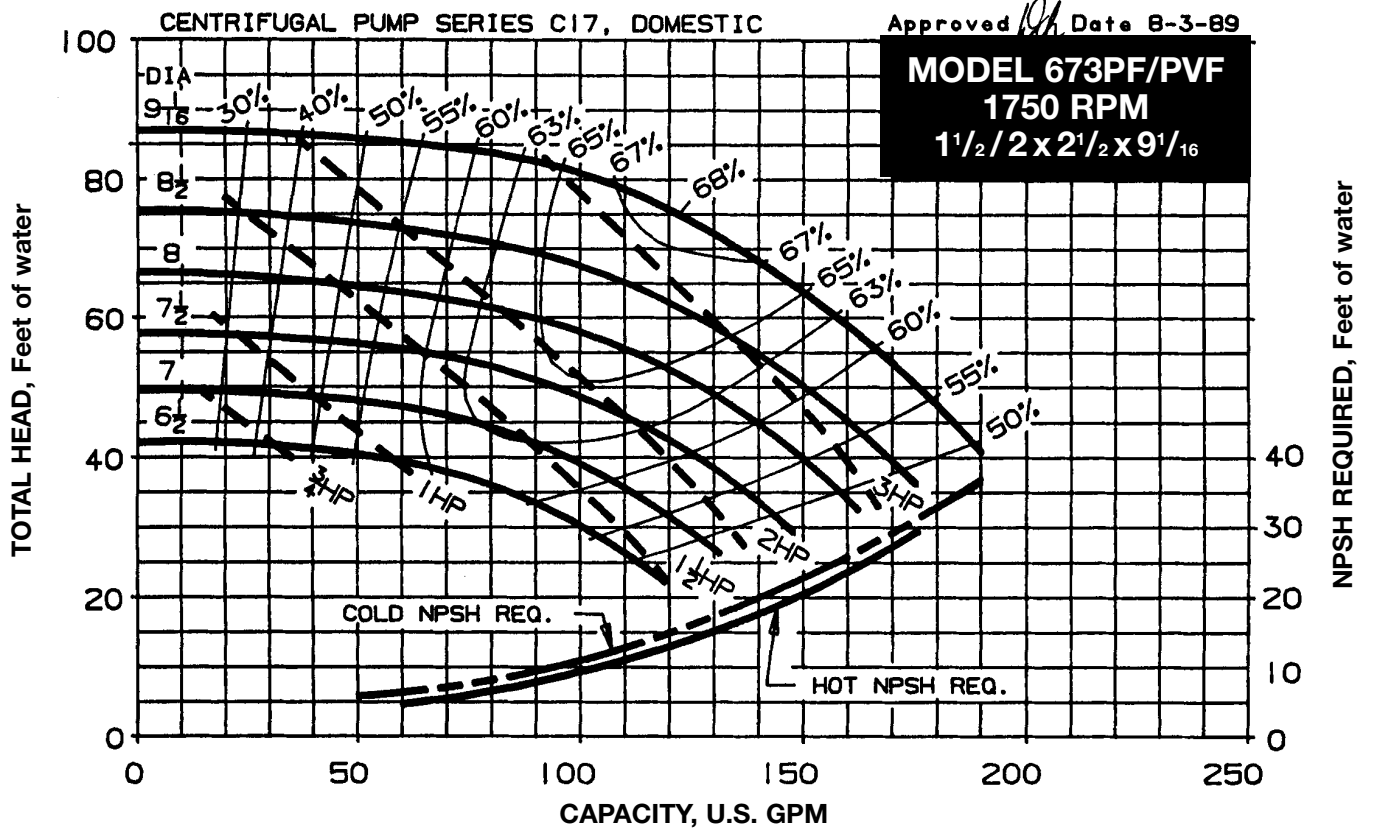
# 1750 RPM PUMP CURVES



# 1750 RPM PUMP CURVES



# 1750 RPM PUMP CURVES



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

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