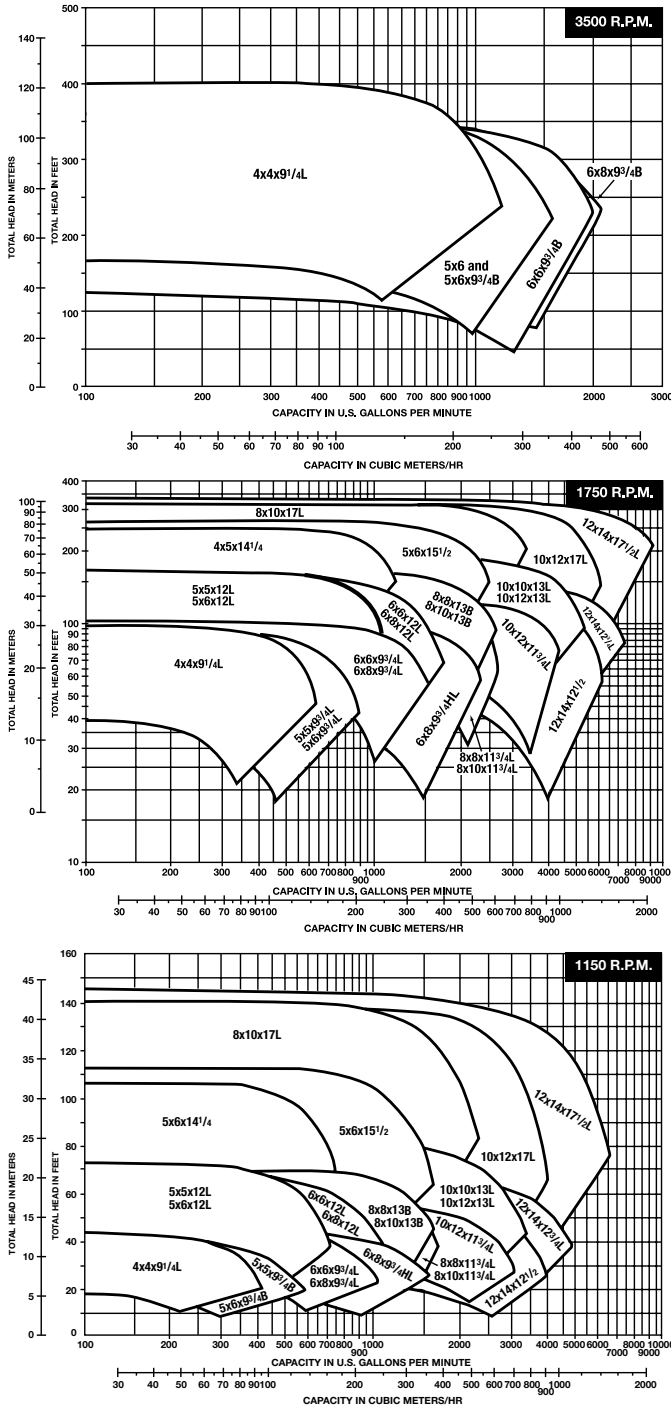


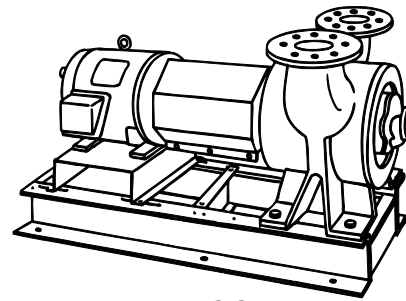


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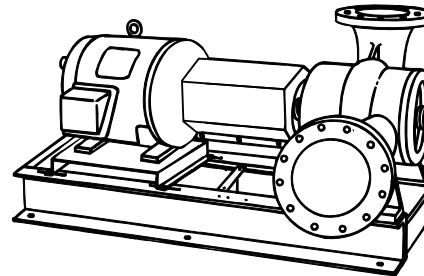
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60 HERTZ PERFORMANCE CURVES



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Base Mounted – Double Suction Pump Performance Curves and Dimensions

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TABLE OF CONTENTS

USEFUL PUMP FORMULAS	2
3550 RPM PUMP CURVES	3
1750 RPM PUMP CURVES	6
1150 RPM PUMP CURVES	26
PUMP DIMENSIONS	45

USEFUL PUMP FORMULAS

$$\begin{aligned} \text{Pressure (PSI)} &= \frac{\text{Head (Feet)} \times \text{Specific Gravity}}{2.31} \\ \text{Head (Feet)} &= \frac{\text{Pressure (PSI)} \times 2.31}{\text{Specific Gravity}} \\ \text{Vacuum (Inches of Mercury)} &= \text{Dynamic Suction Lift (Feet)} \times .883 \times \text{Specific Gravity} \\ \text{Horsepower (Brake)} &= \frac{\text{GPM} \times \text{Head (Feet)} \times \text{Specific Gravity}}{3960 \times \text{Pump Efficiency}} \\ \text{Horsepower (Water)} &= \frac{\text{GPM} \times \text{Head (Feet)} \times \text{Specific Gravity}}{3960} \\ \text{Efficiency (Pump)} &= \frac{\text{Horsepower (Water)}}{\text{Horsepower (Brake)}} \times 100 \text{ Per Cent} \\ \text{NPSH (Available)} &= \text{Positive Factors} - \text{Negative Factors} \end{aligned}$$

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

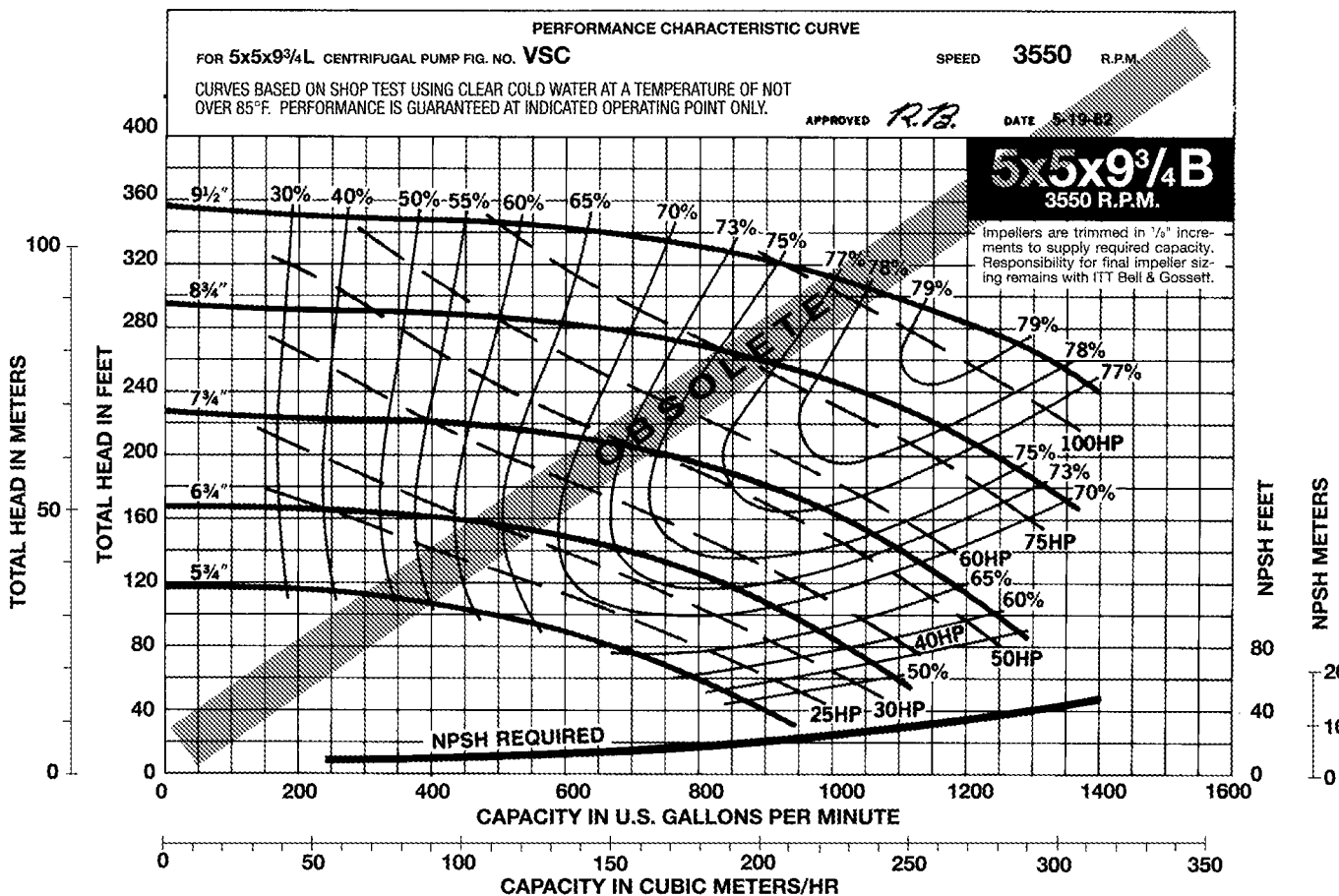
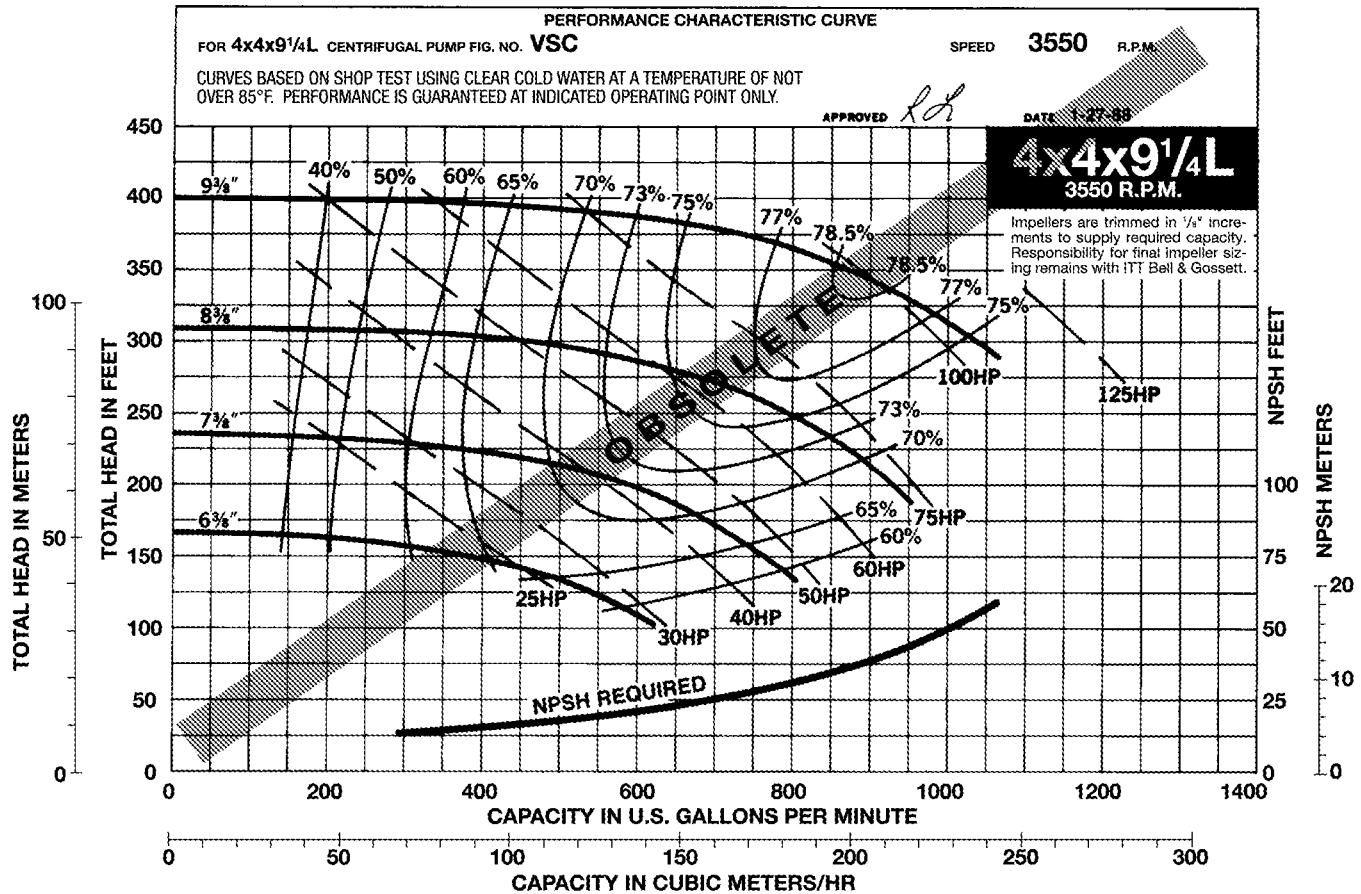
	GPM Capacity	Ft. Head	BHP
Impeller Diameter Change	$Q_2 = \frac{D_2}{D_1} Q_1$	$H_2 = \left(\frac{D_2}{D_1}\right)^2 H_1$	$P_2 = \left(\frac{D_2}{D_1}\right)^3 P_1$
Speed Change	$Q_2 = \frac{RPM_2}{RPM_1} Q_1$	$H_2 = \left(\frac{RPM_2}{RPM_1}\right)^2 H_1$	$P_2 = \left(\frac{RPM_2}{RPM_1}\right)^3 P_1$

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

3500 RPM PUMP CURVES

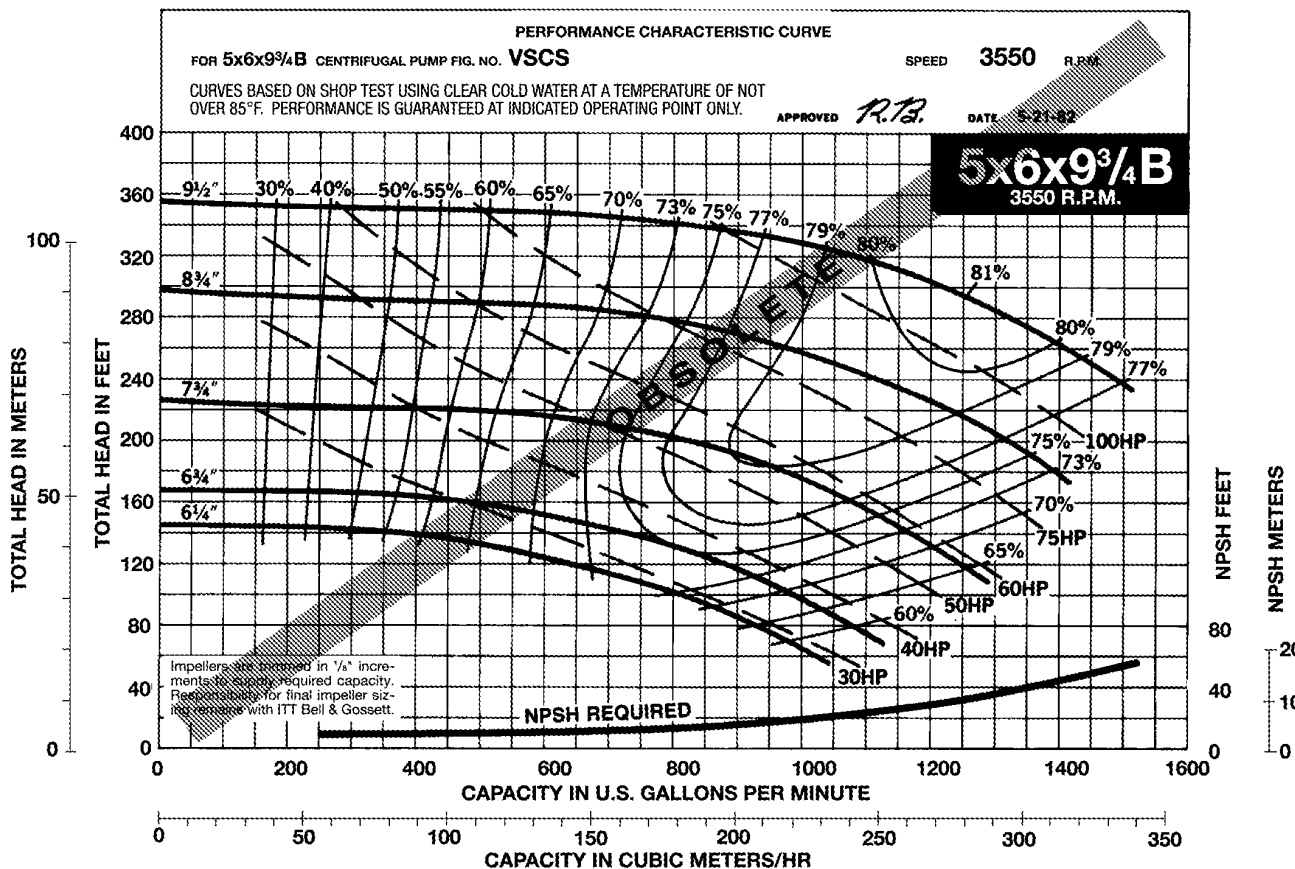
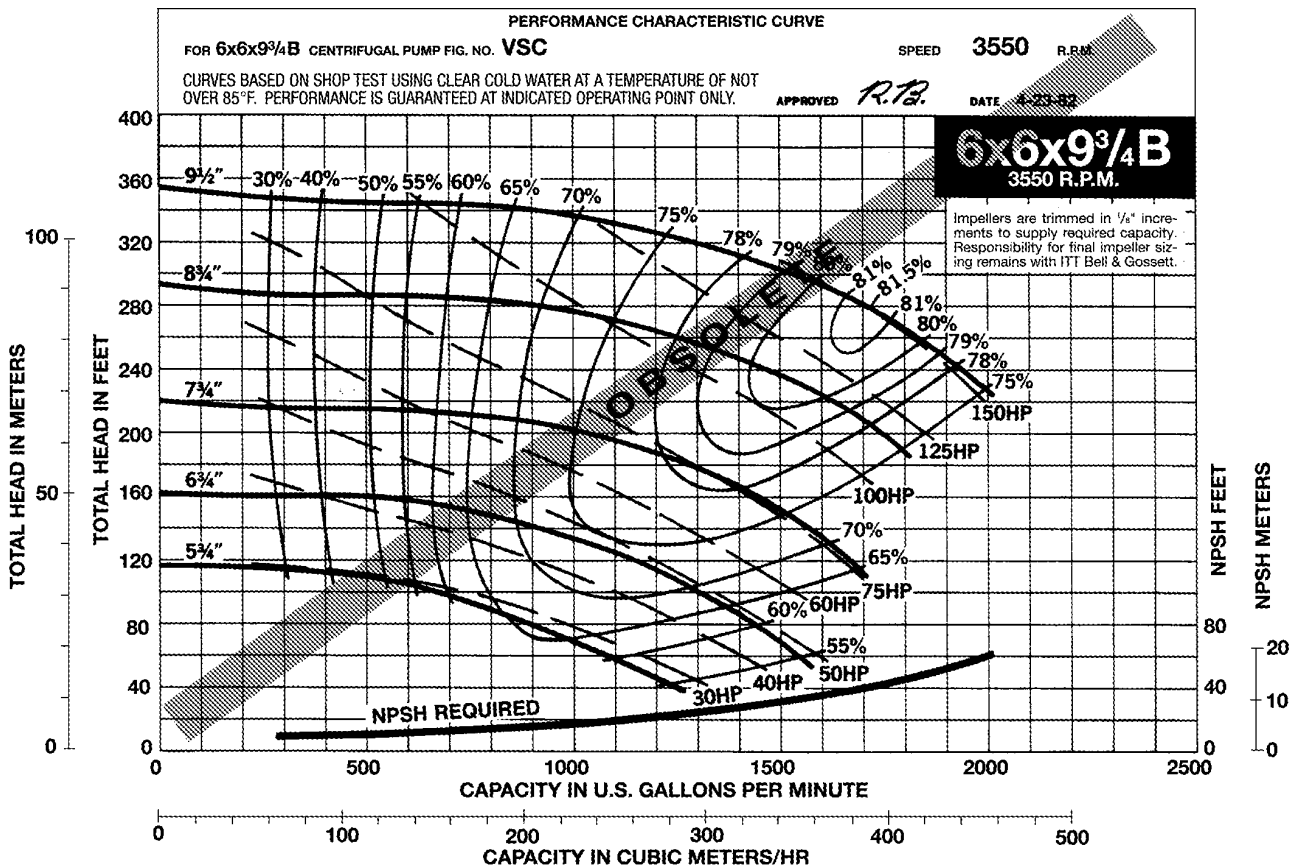
B-4601

(CURVE CHARTS WITH LINE THROUGH ARE OBSOLETE - SEE VSX CURVE BOOKLET)

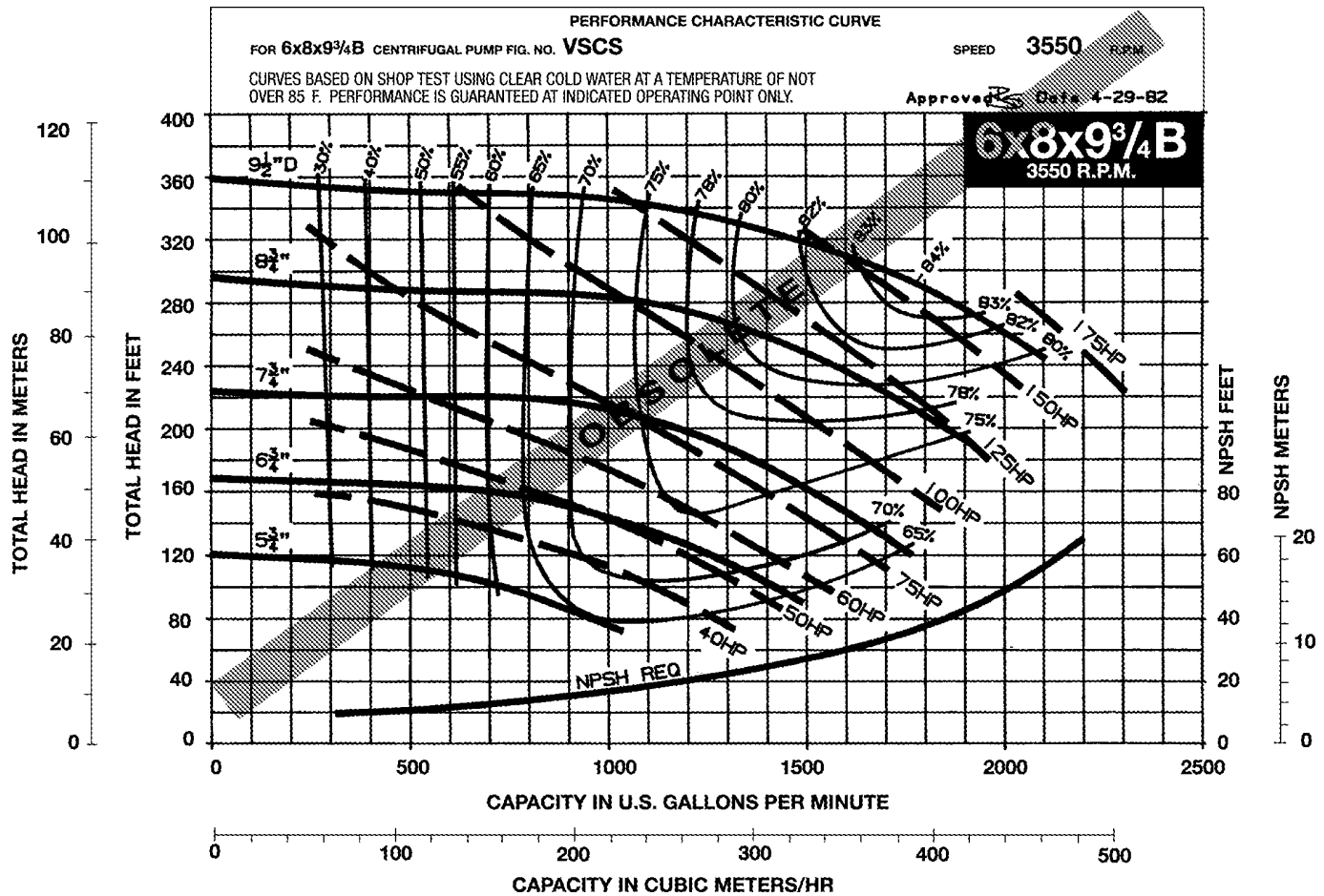


3500 RPM PUMP CURVES

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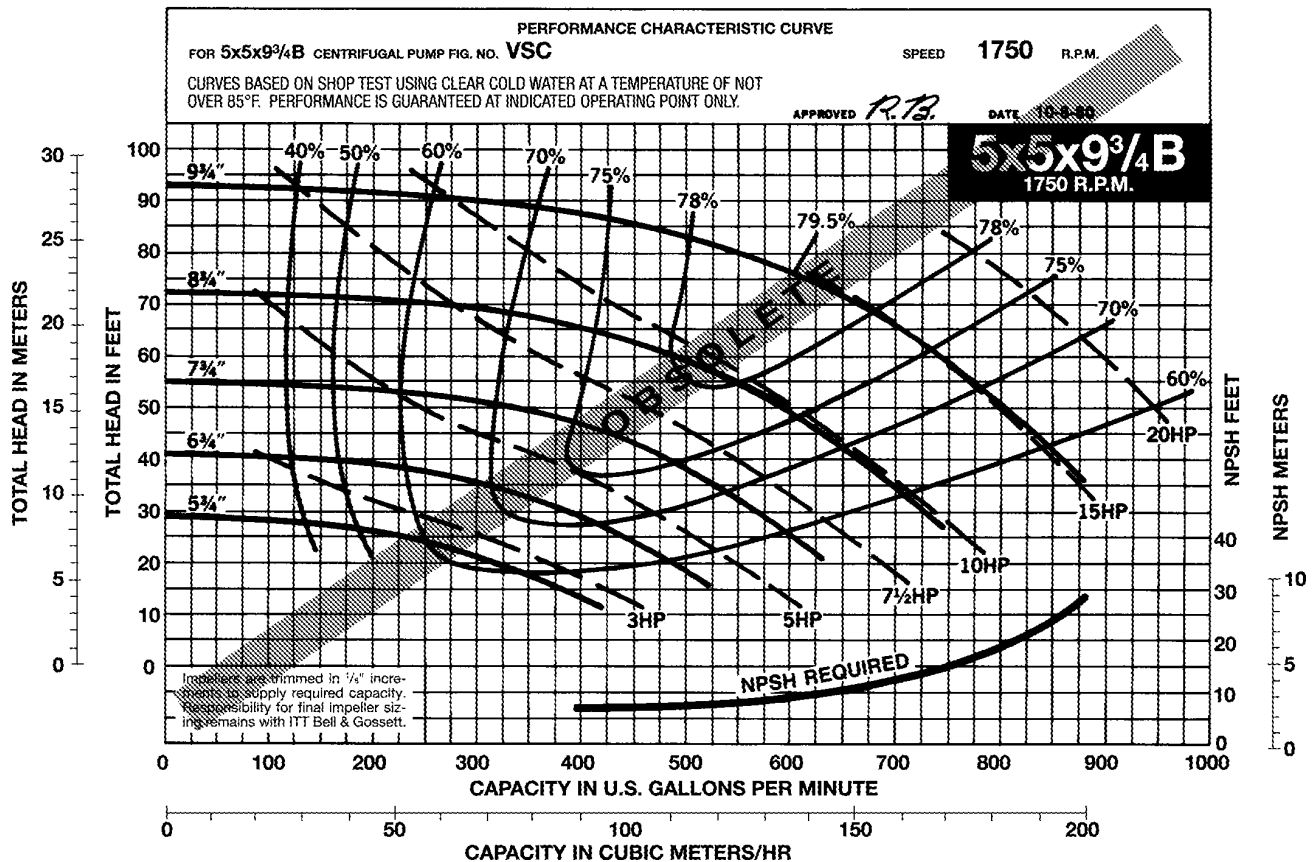
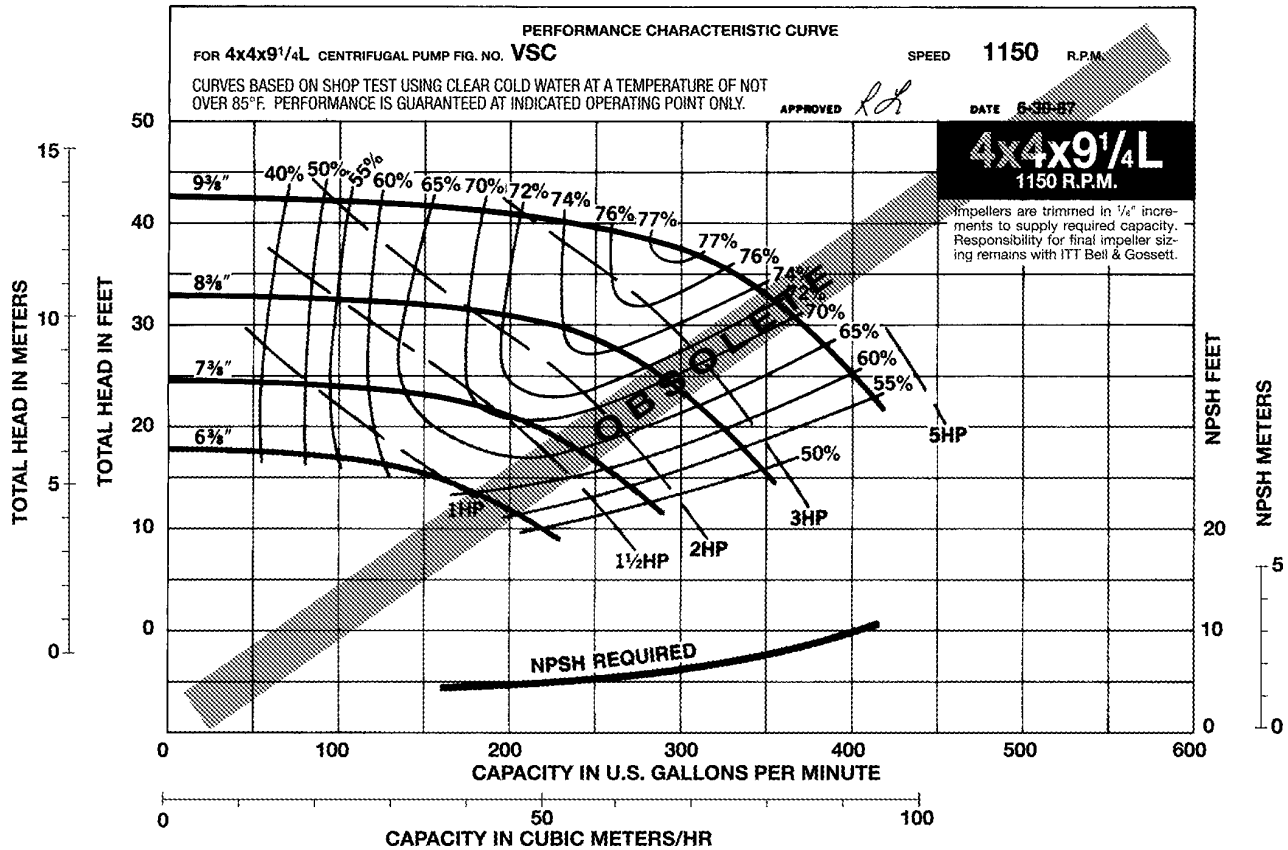
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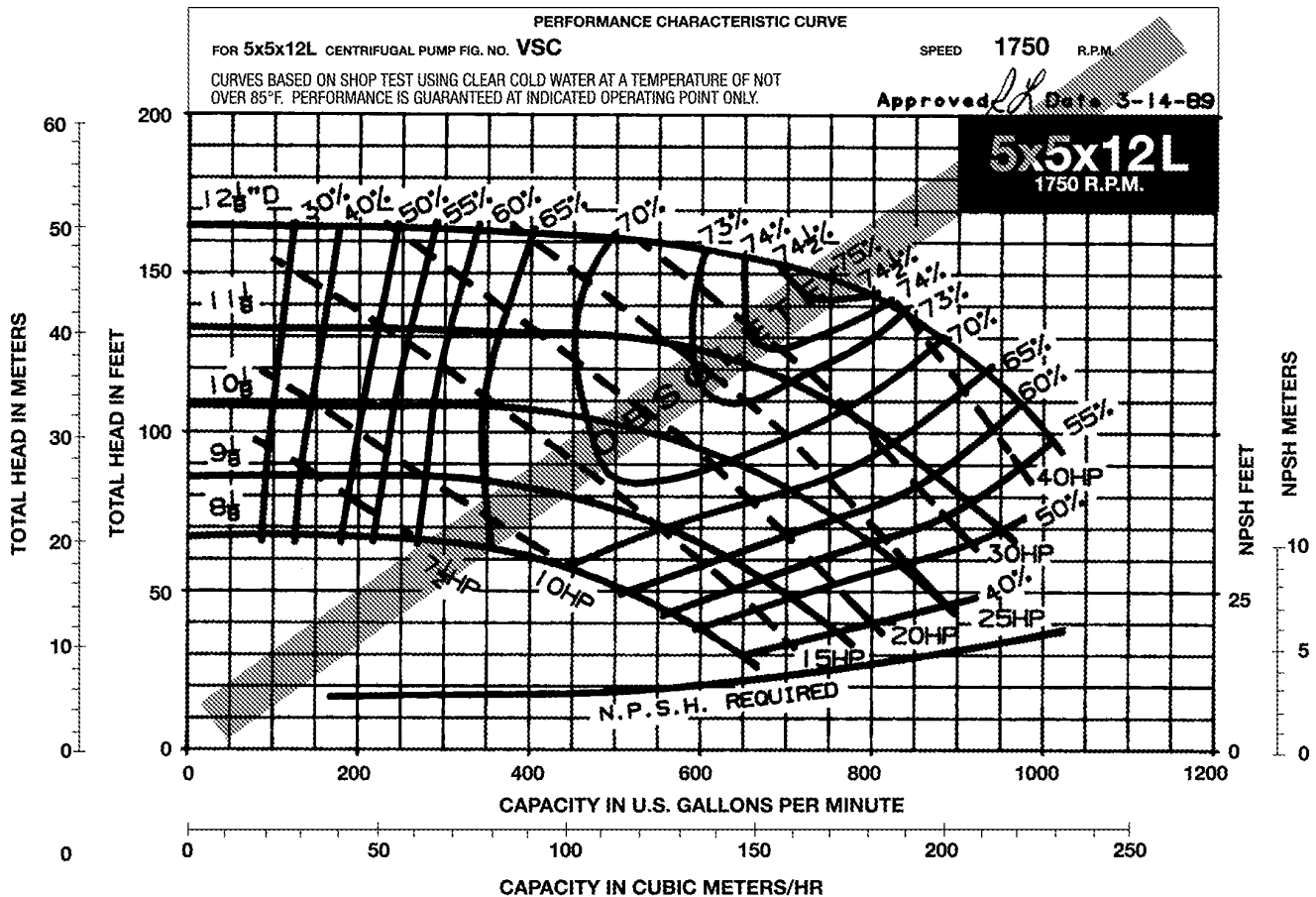
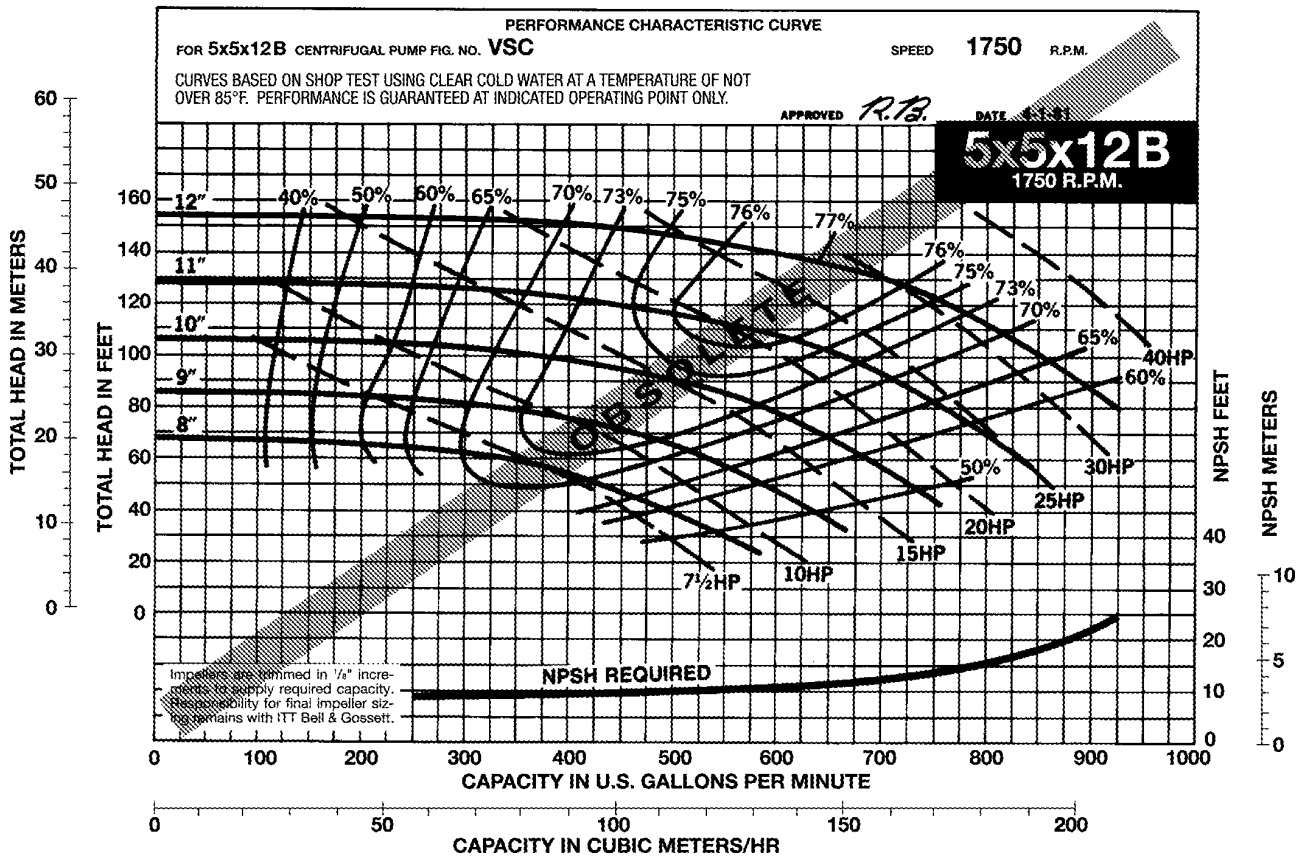
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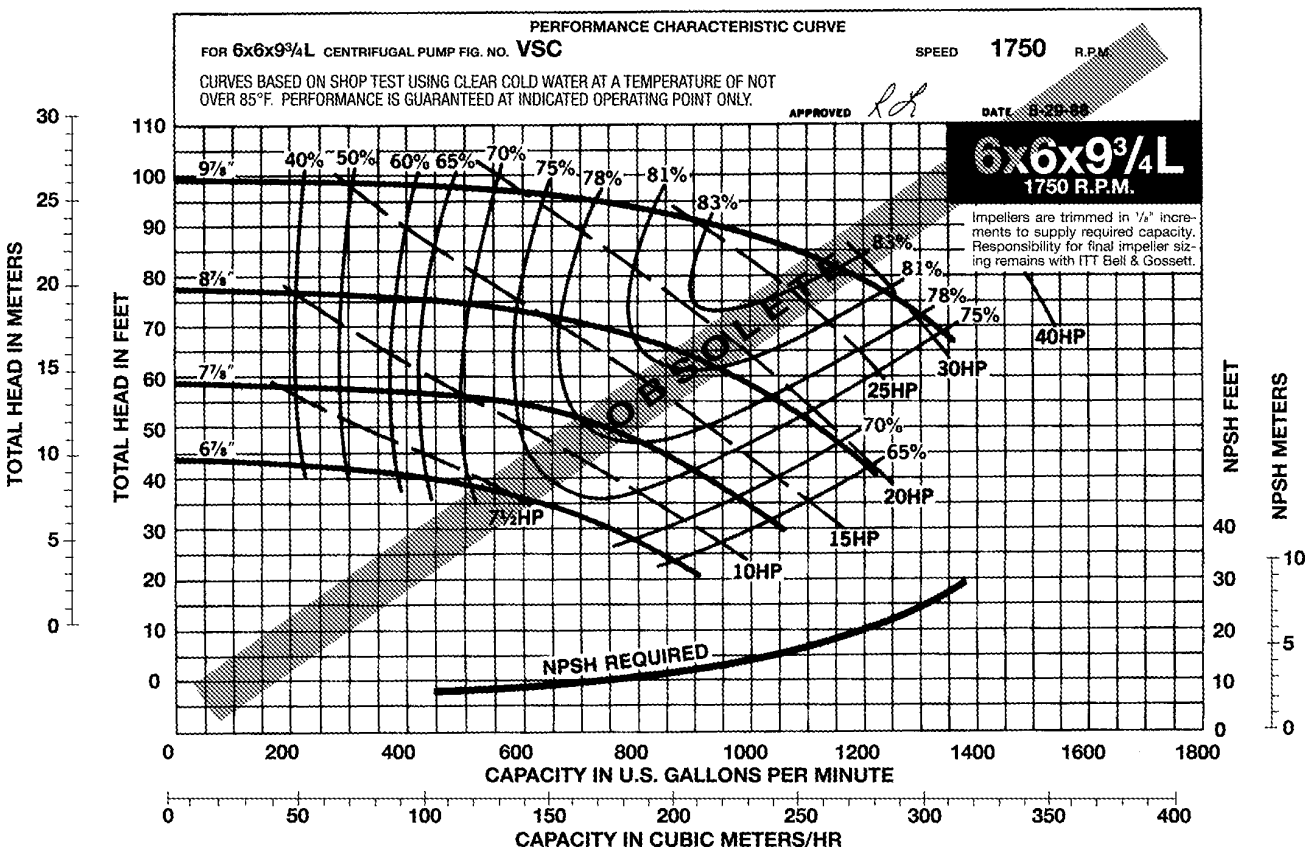
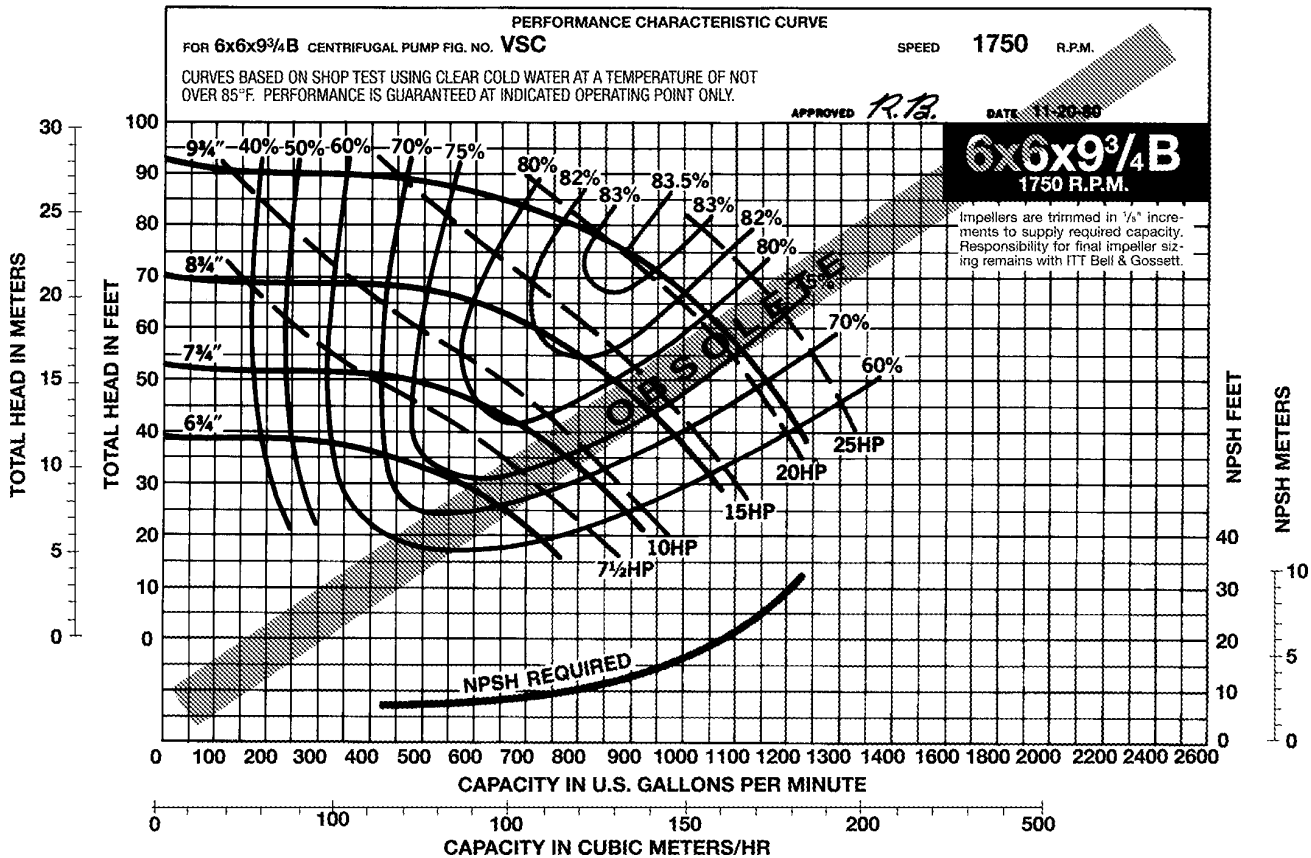
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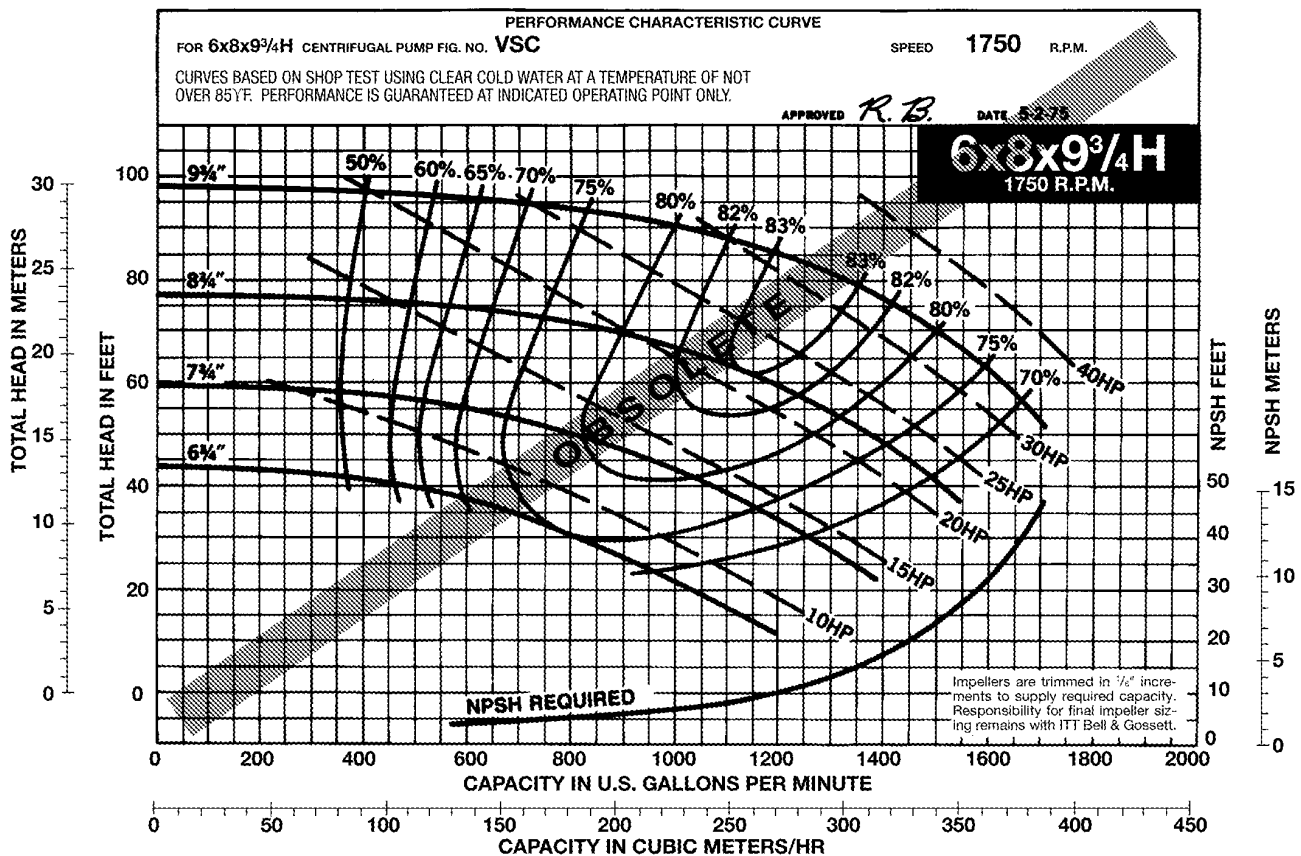
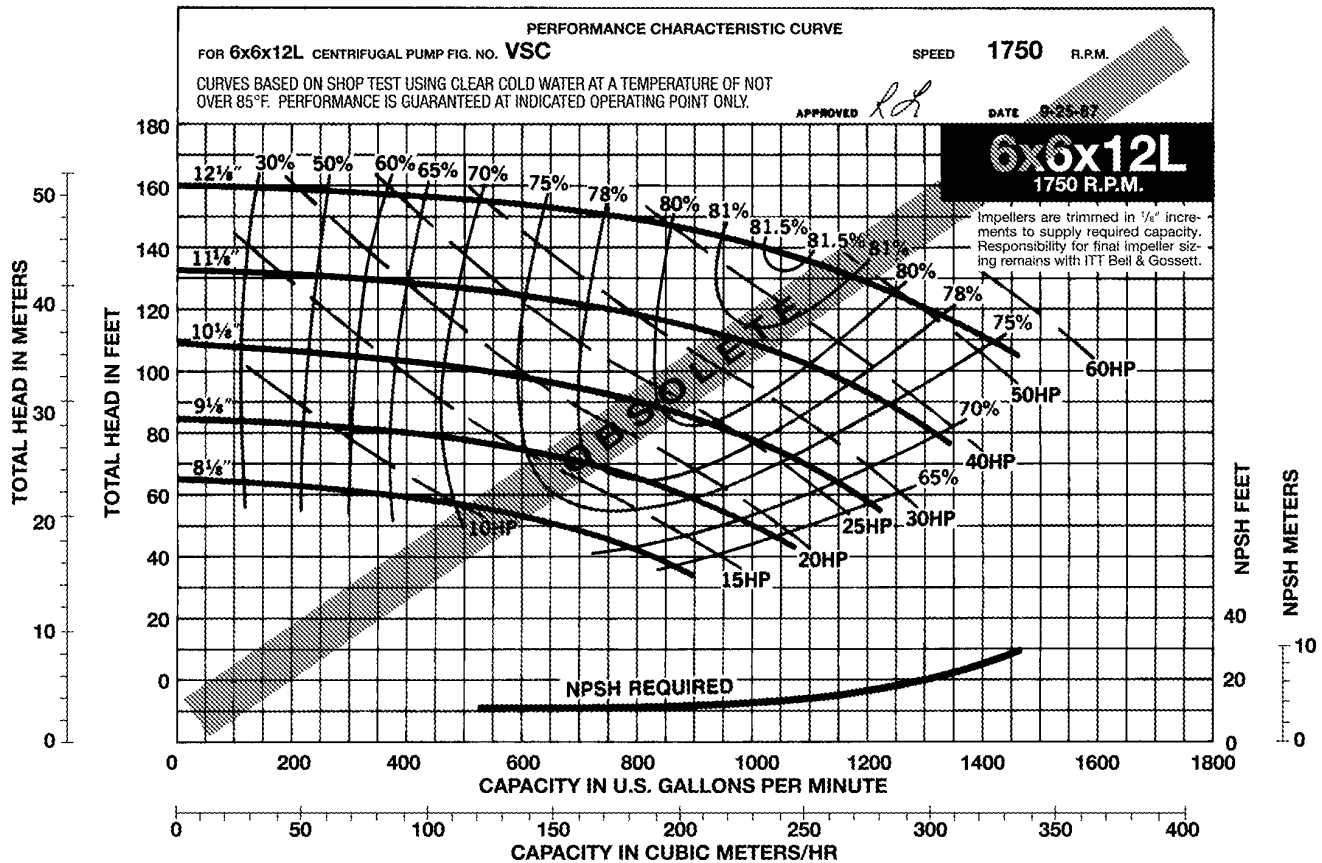
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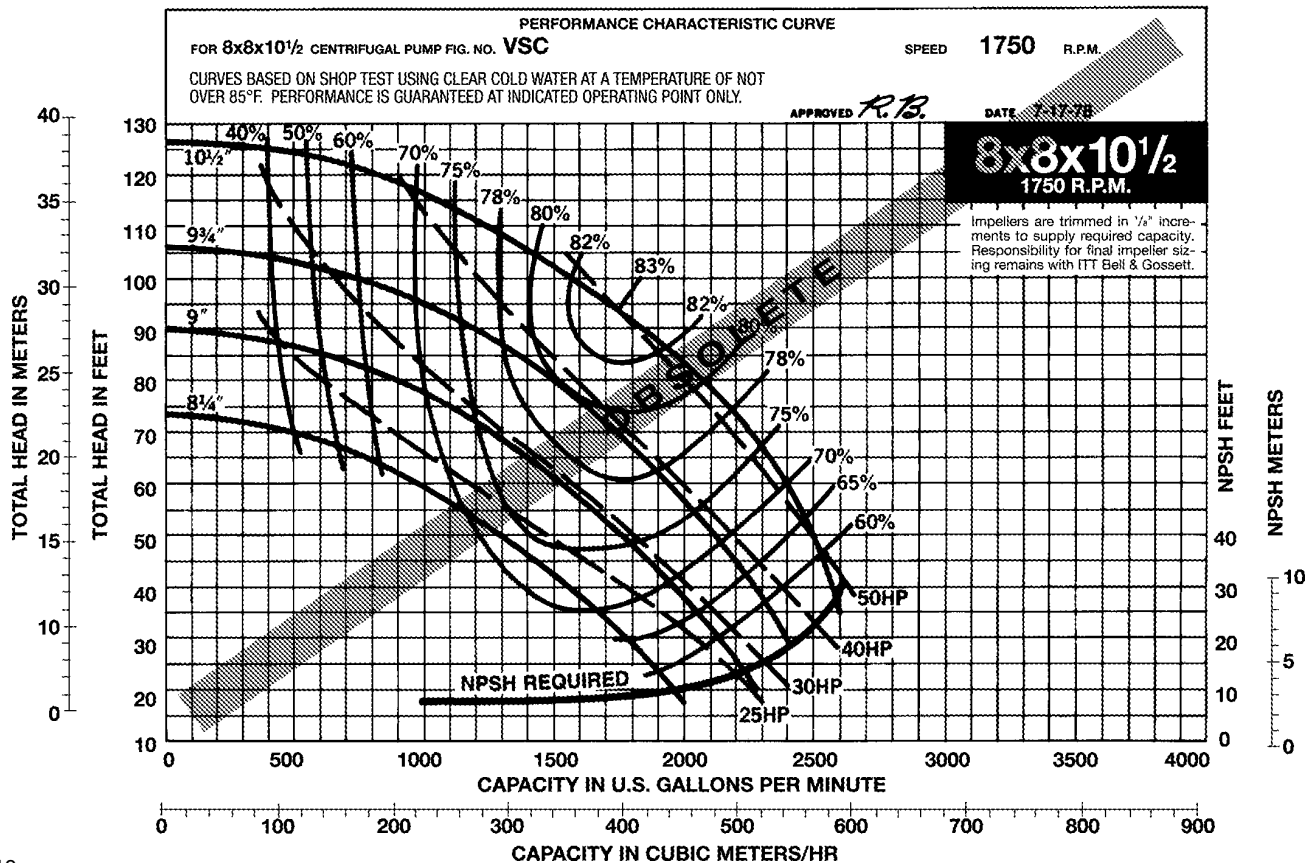
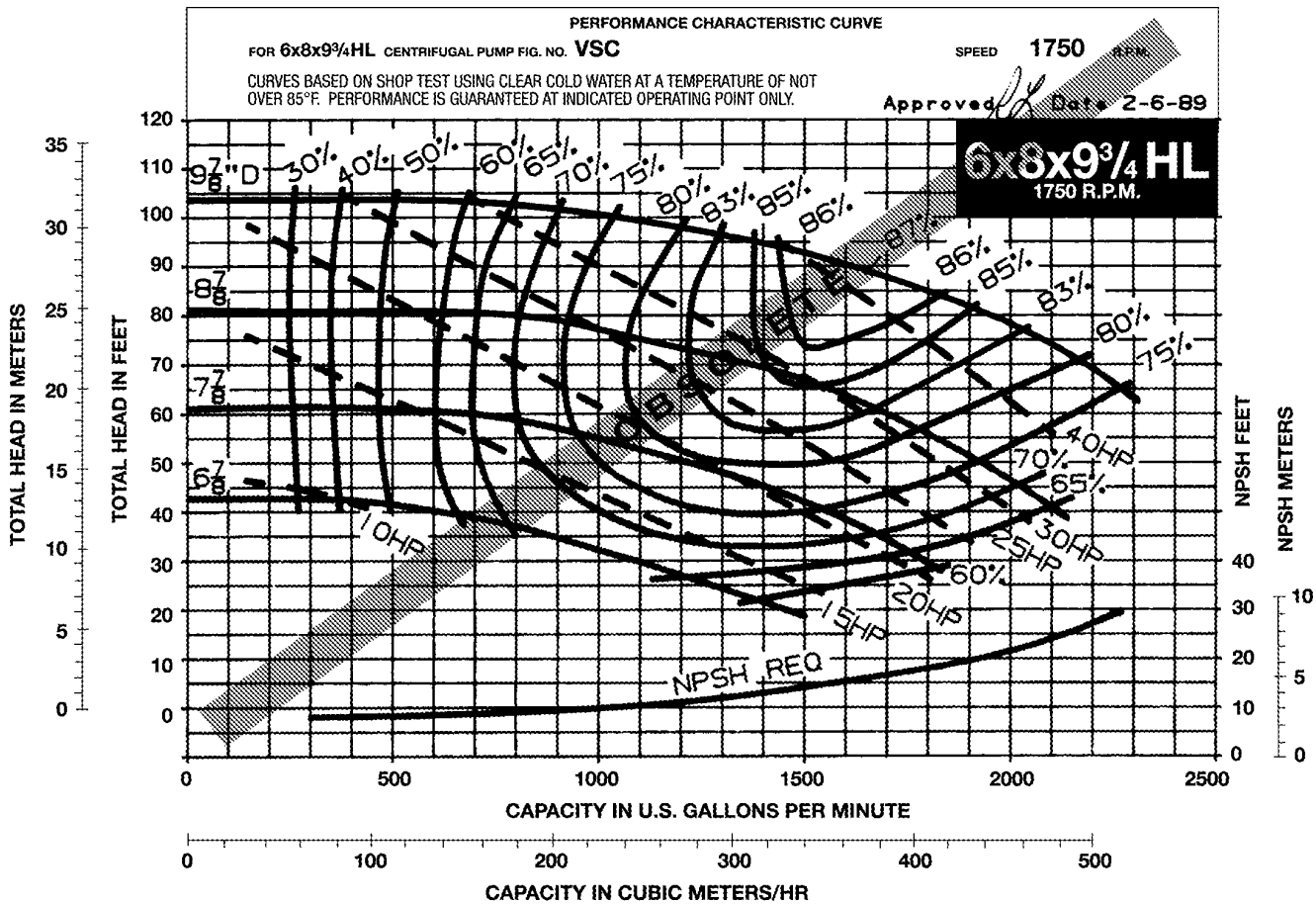
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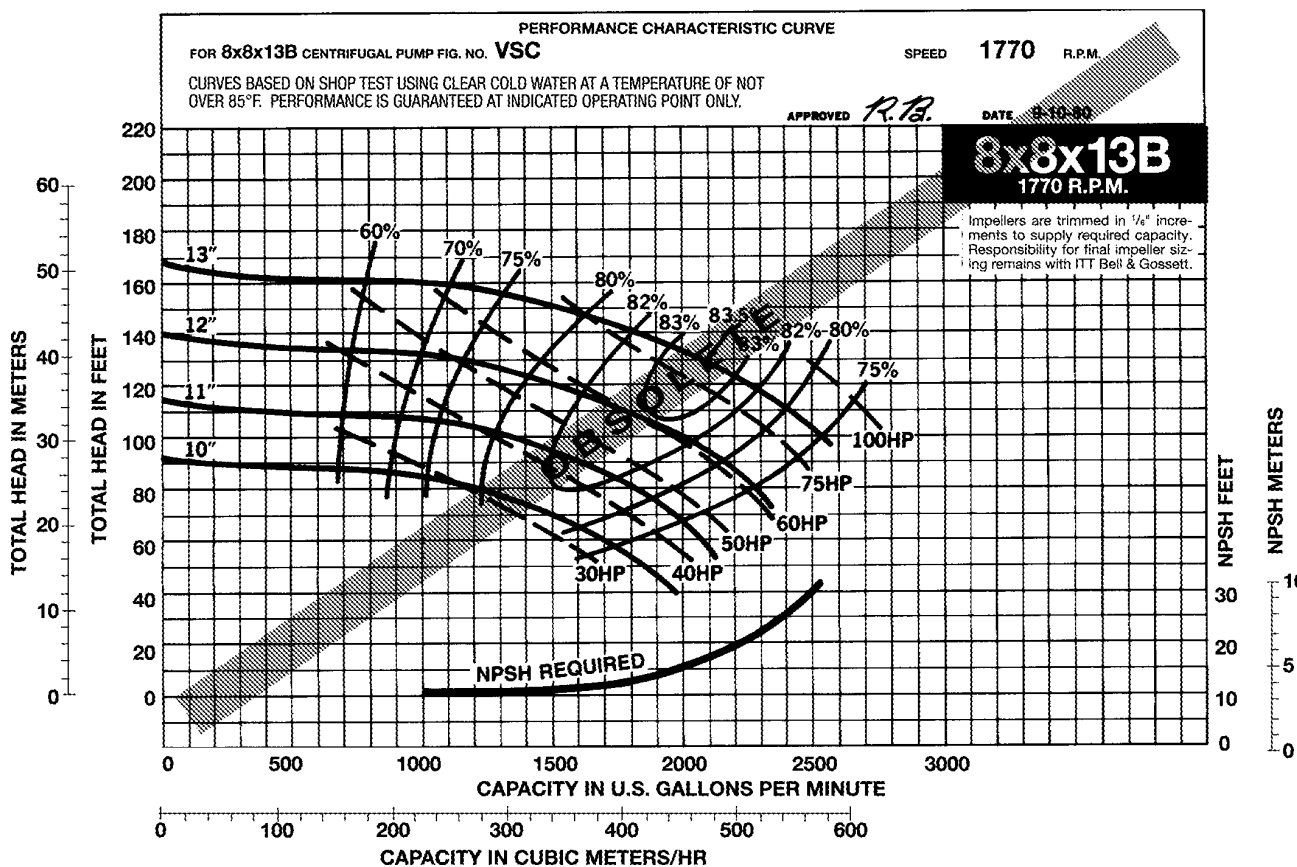
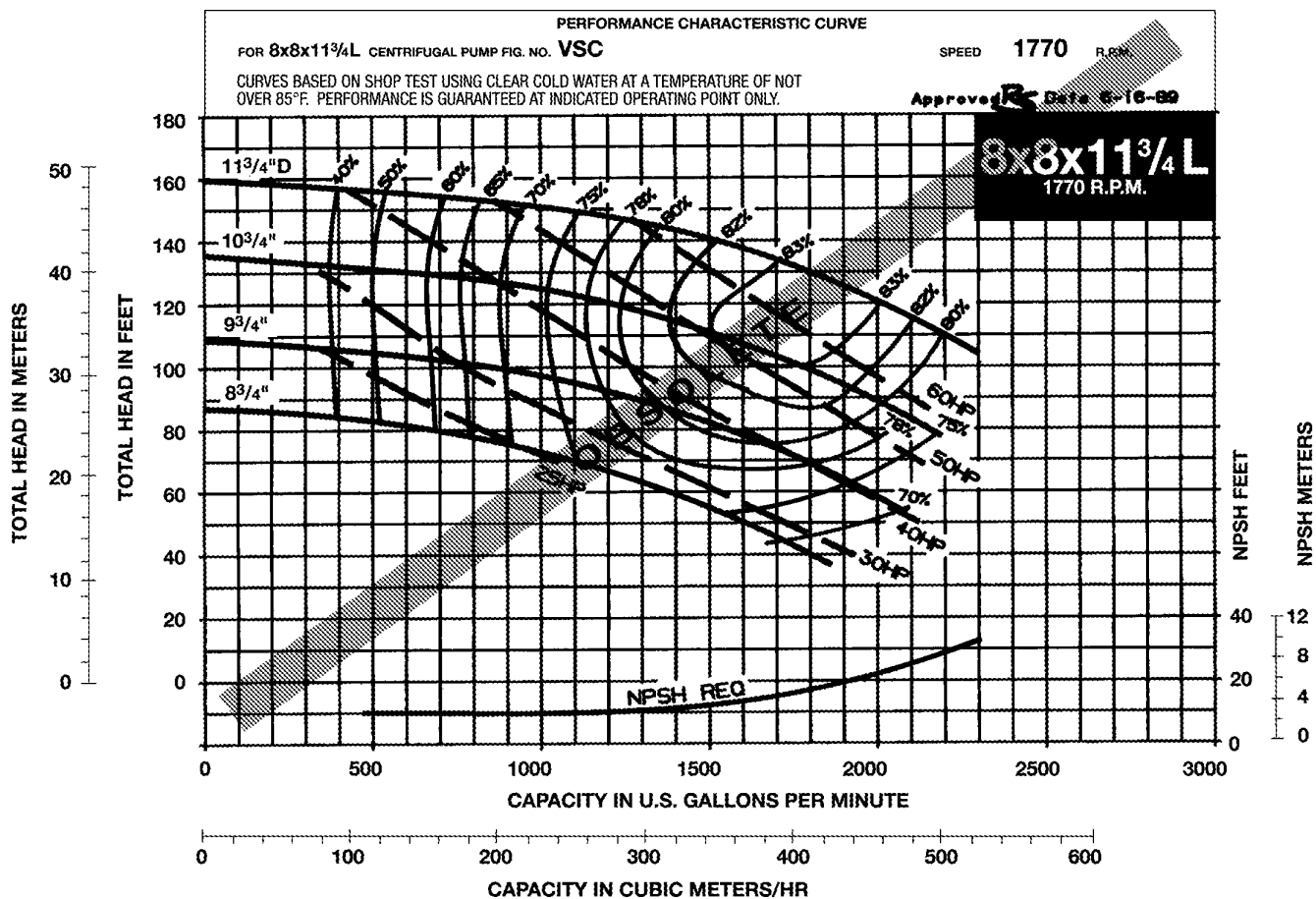


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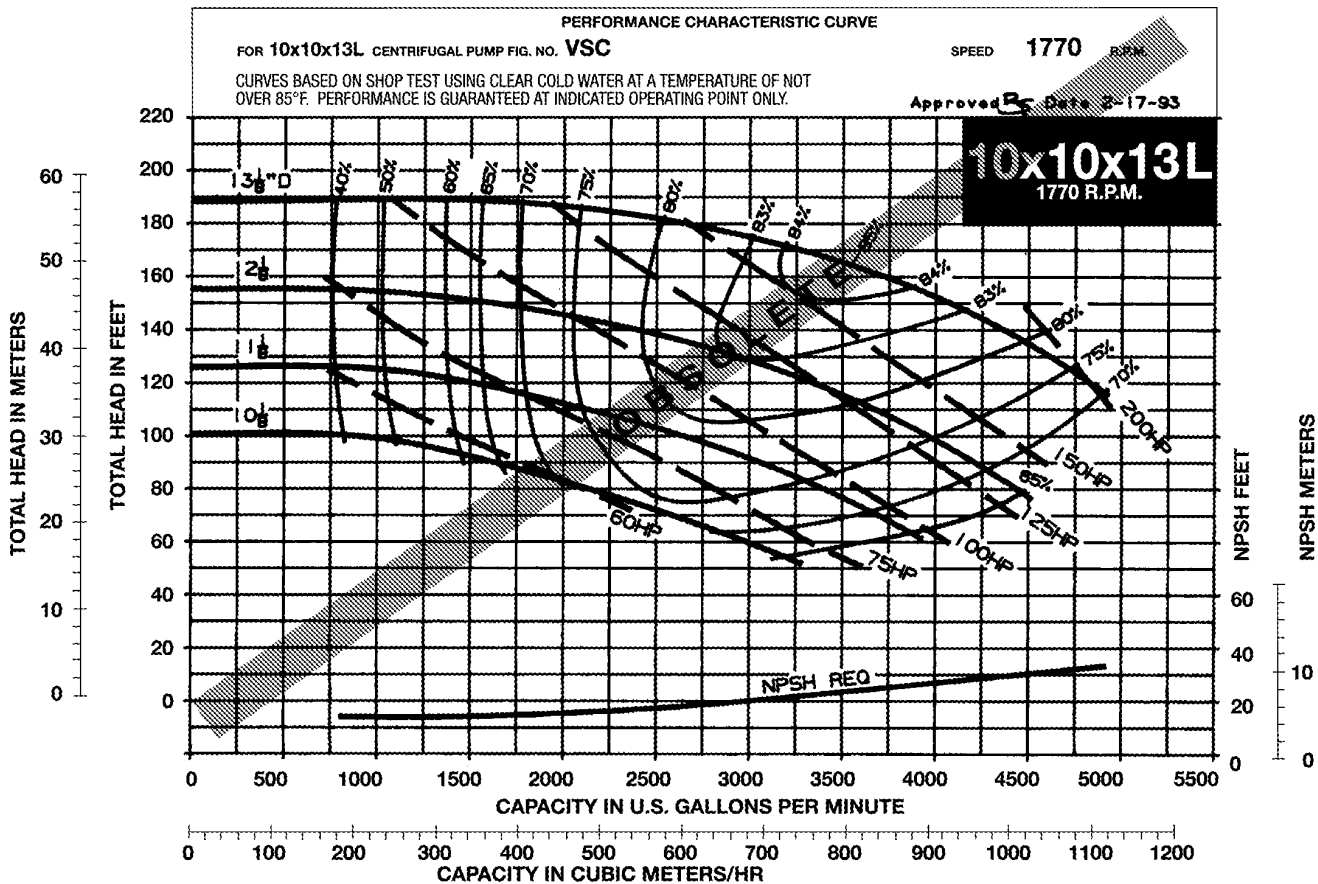
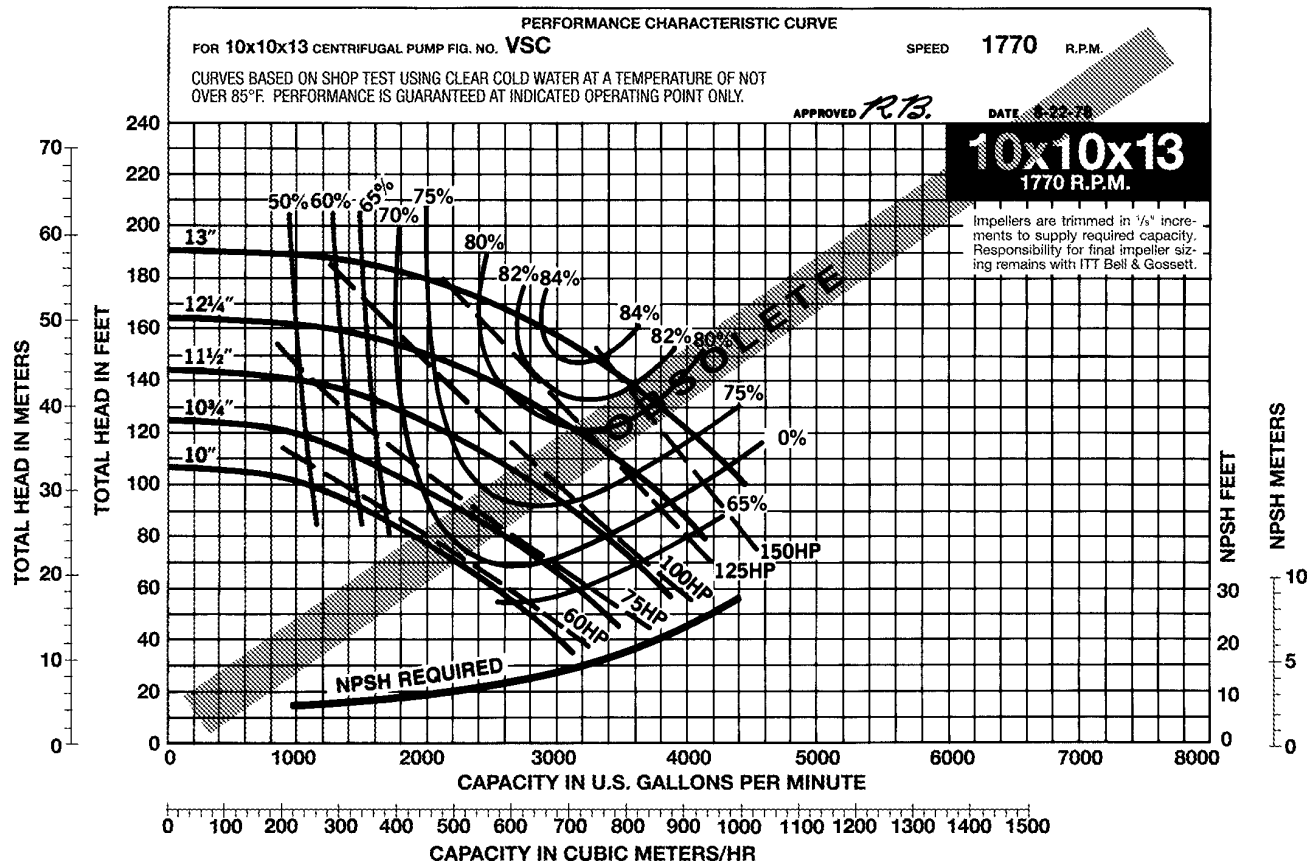
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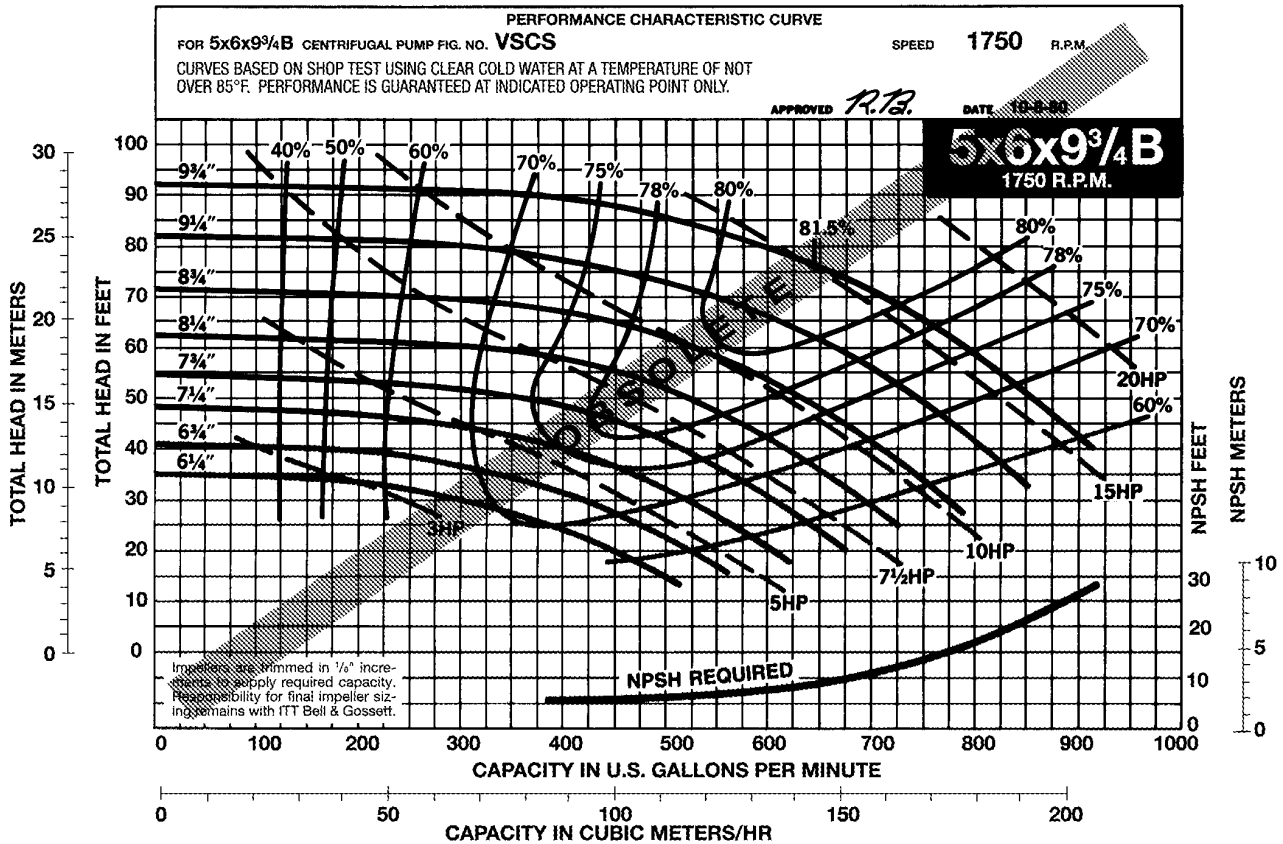
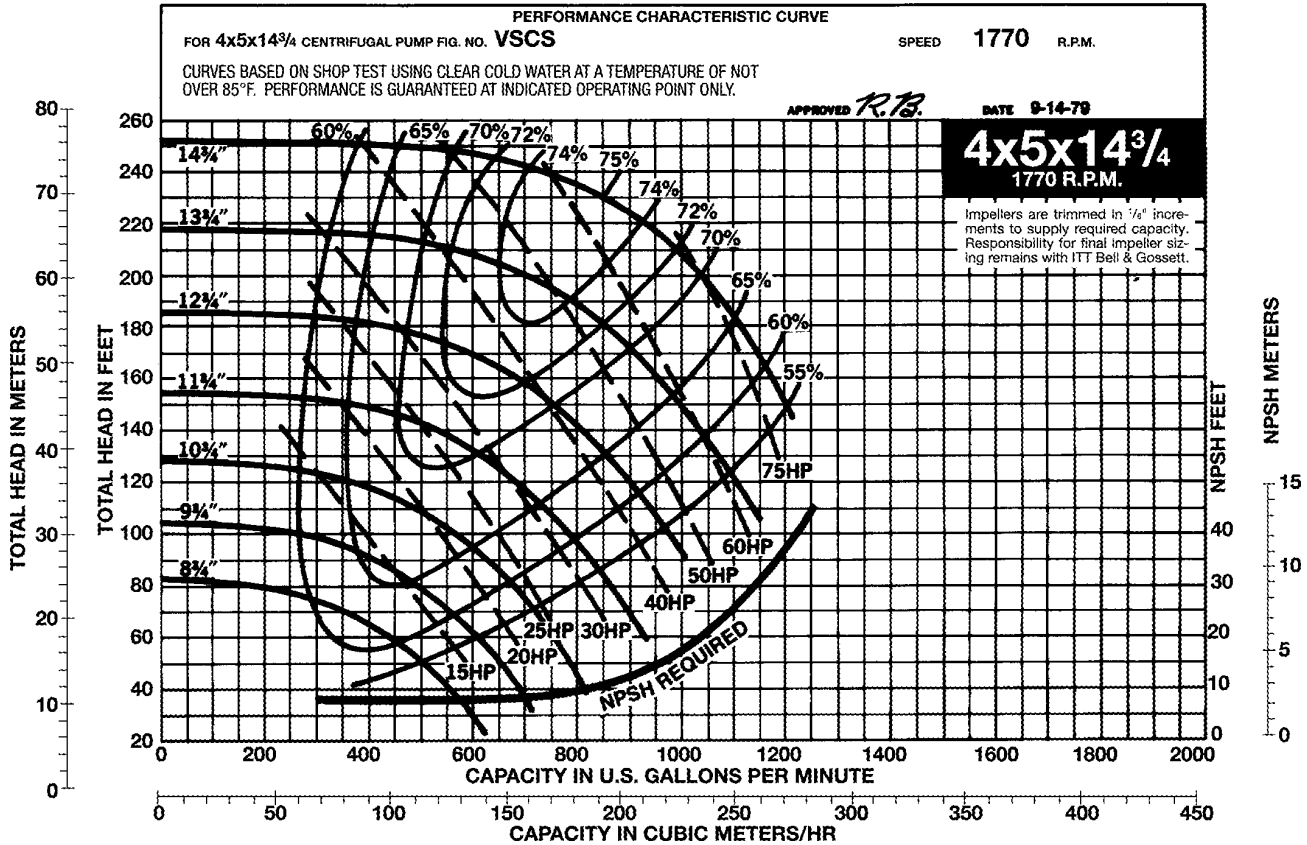
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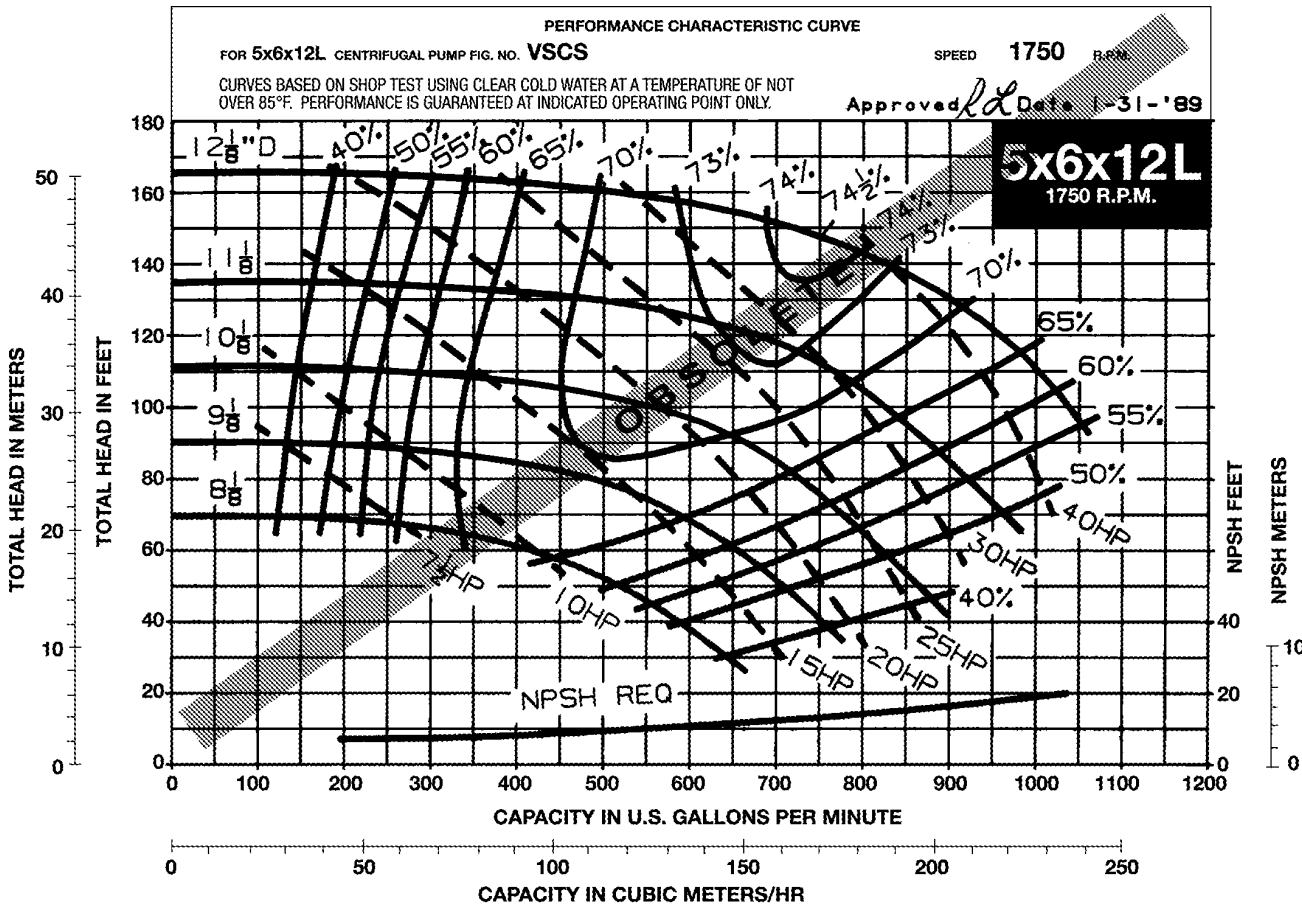
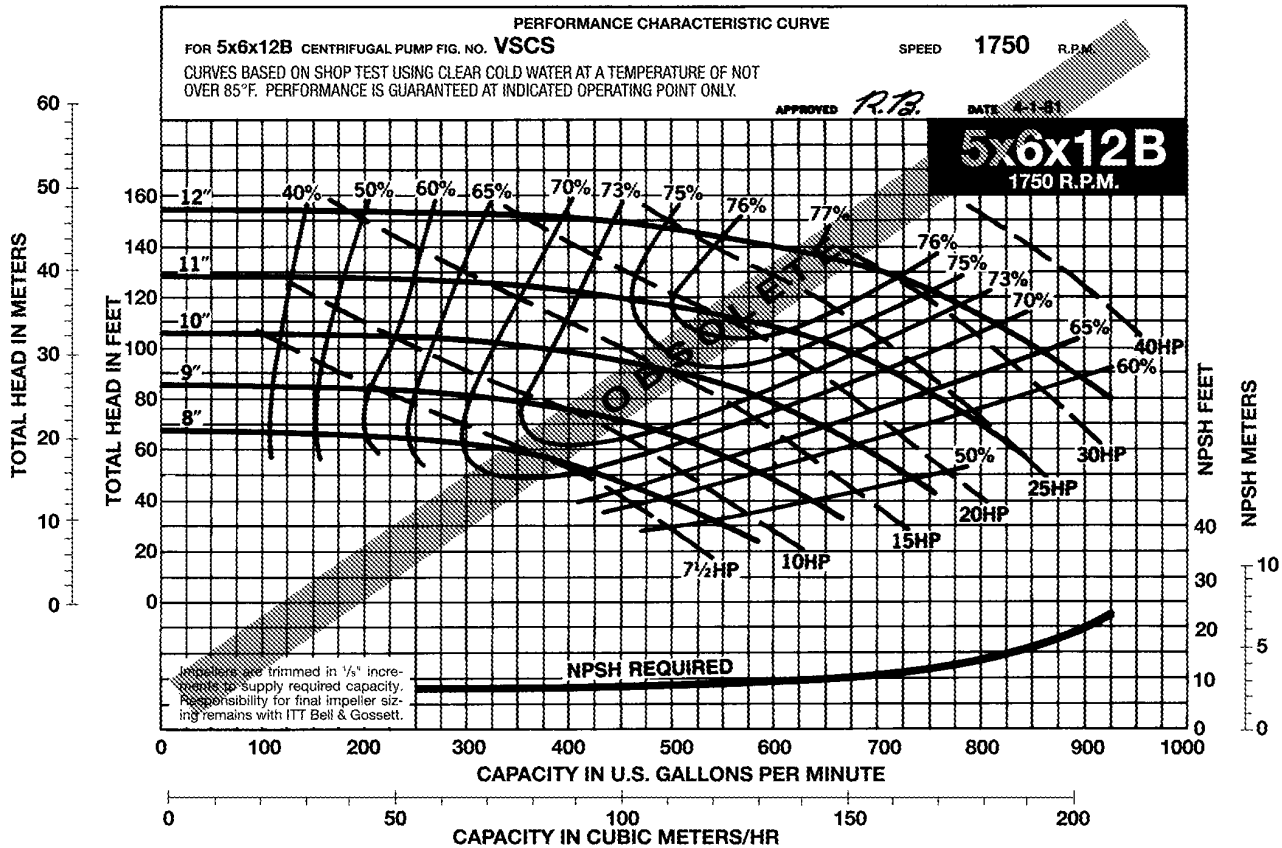
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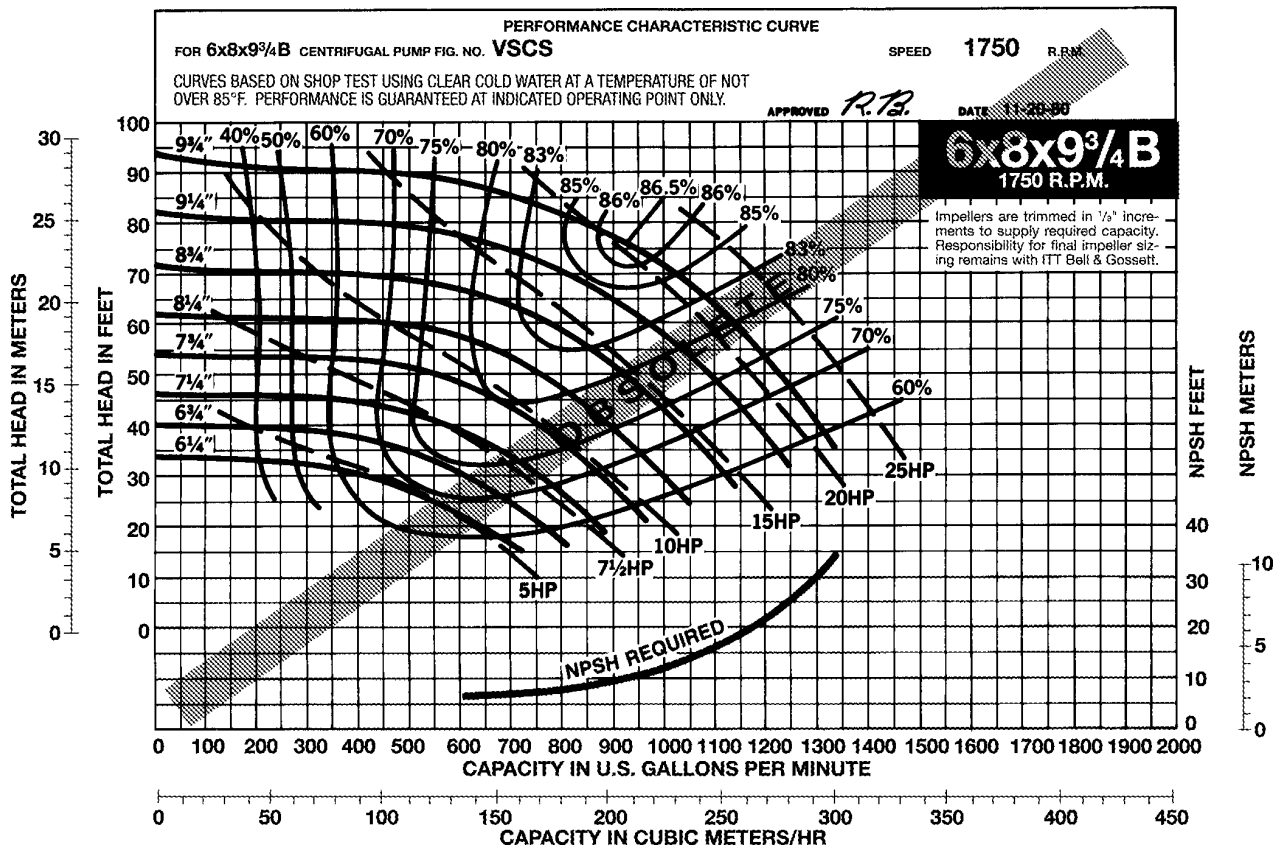
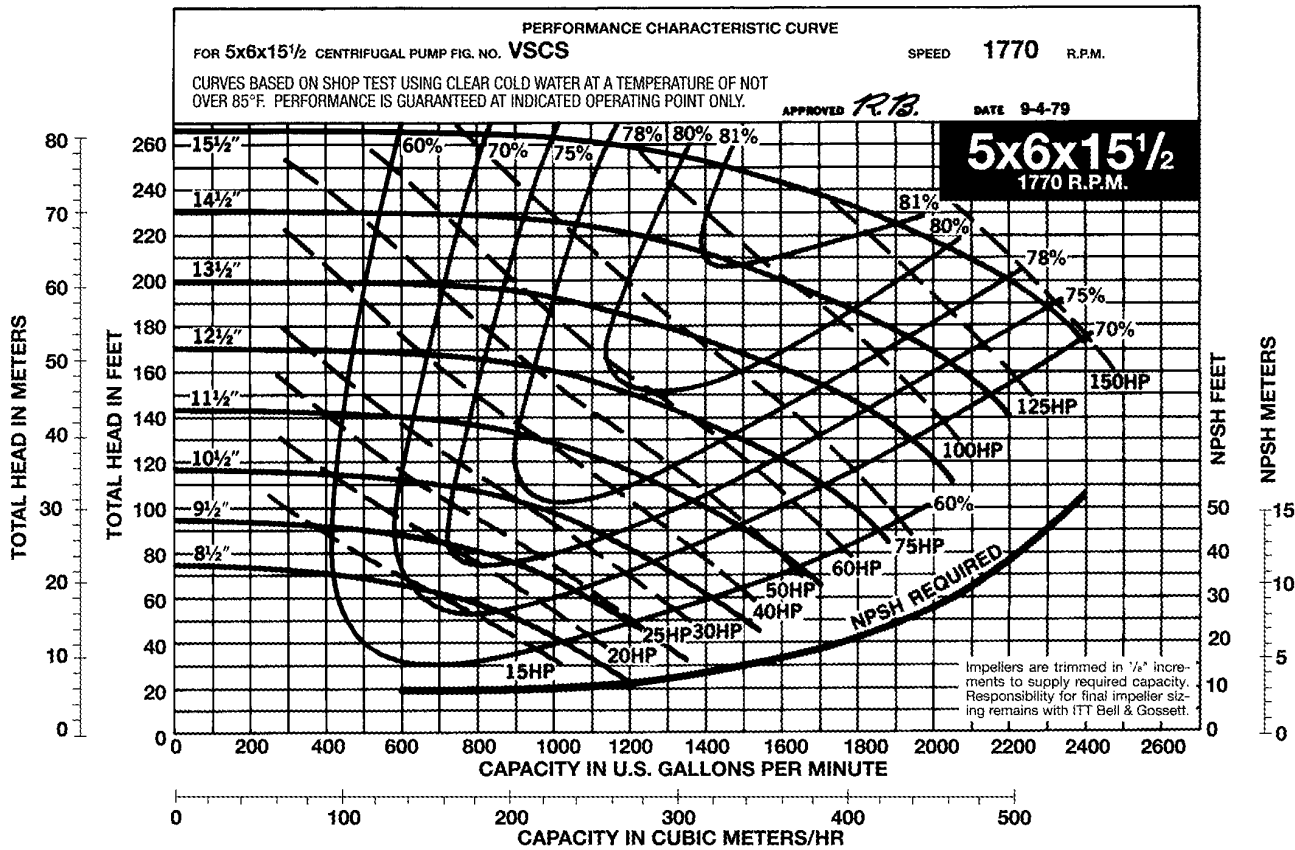
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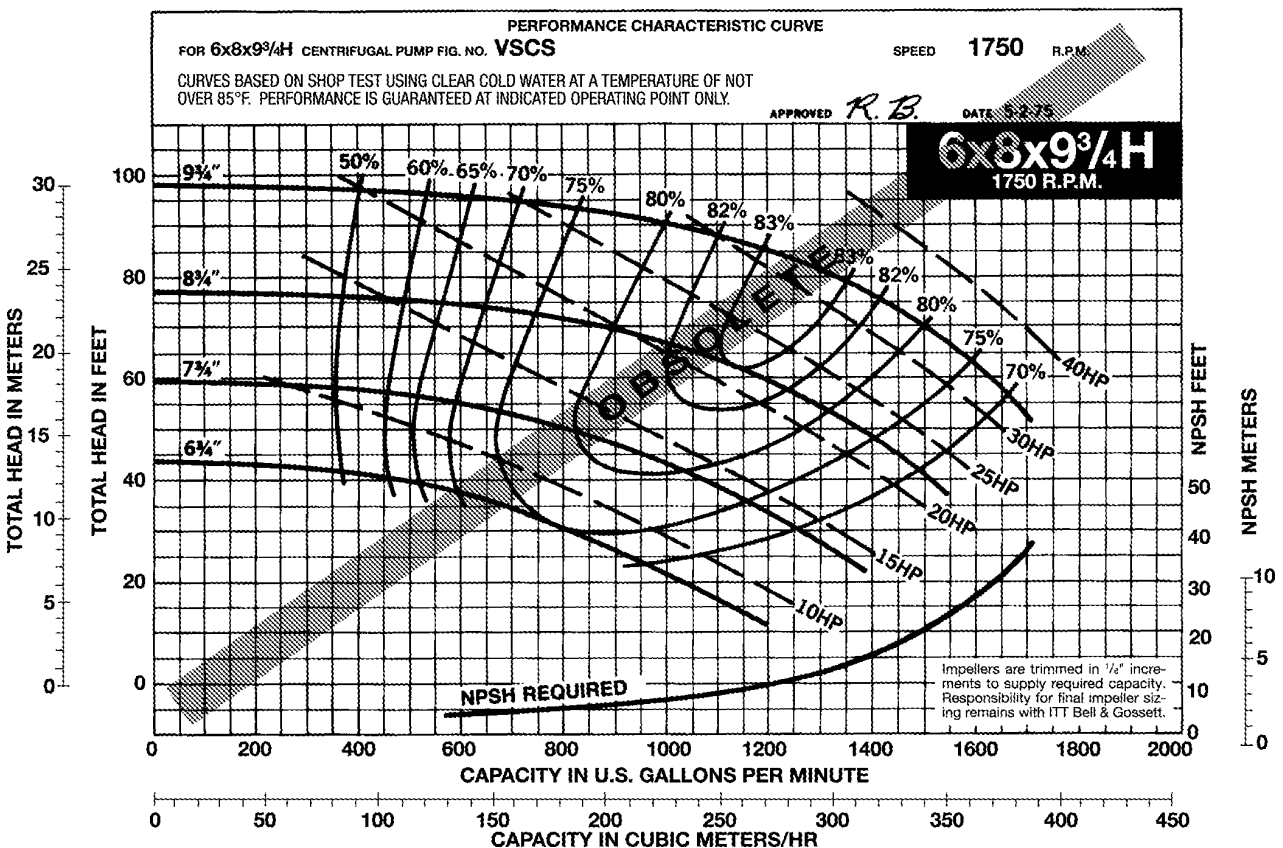
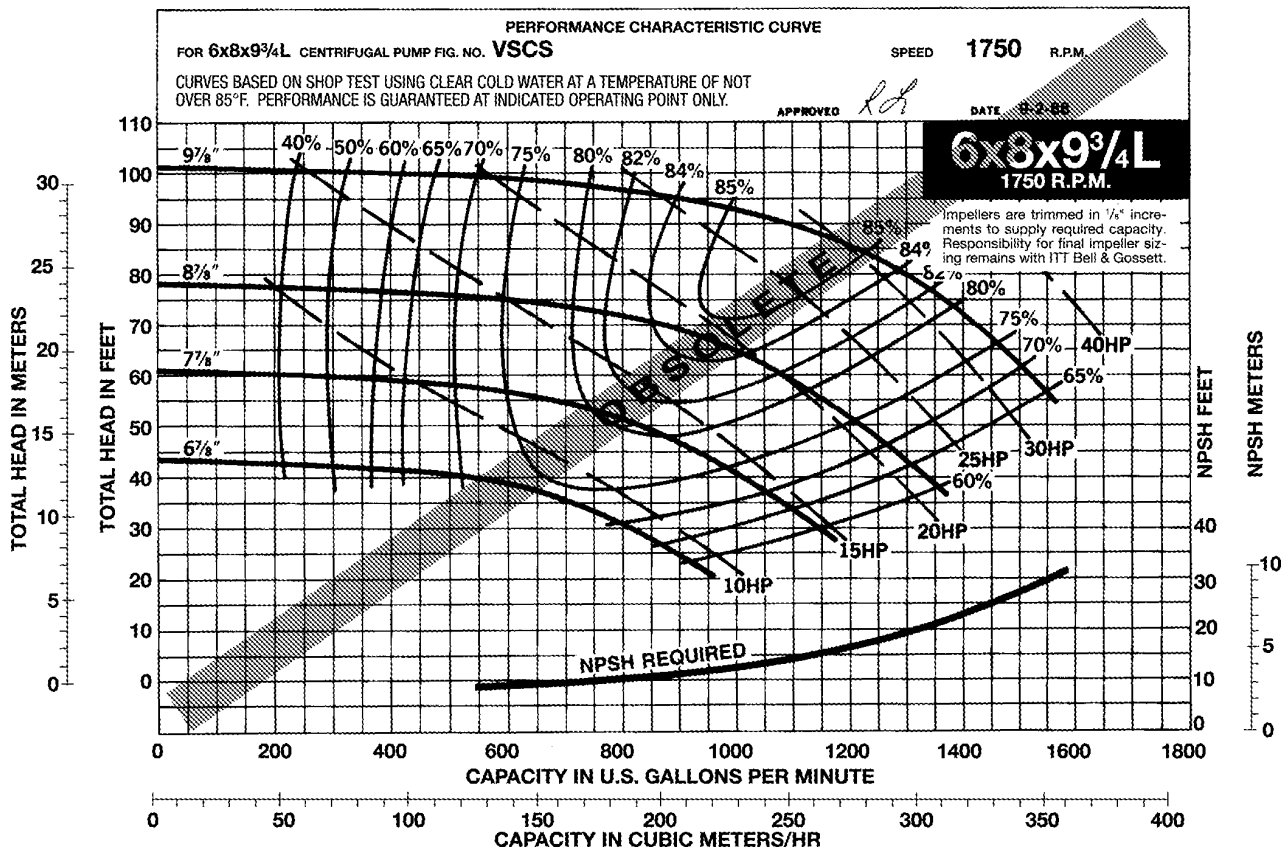
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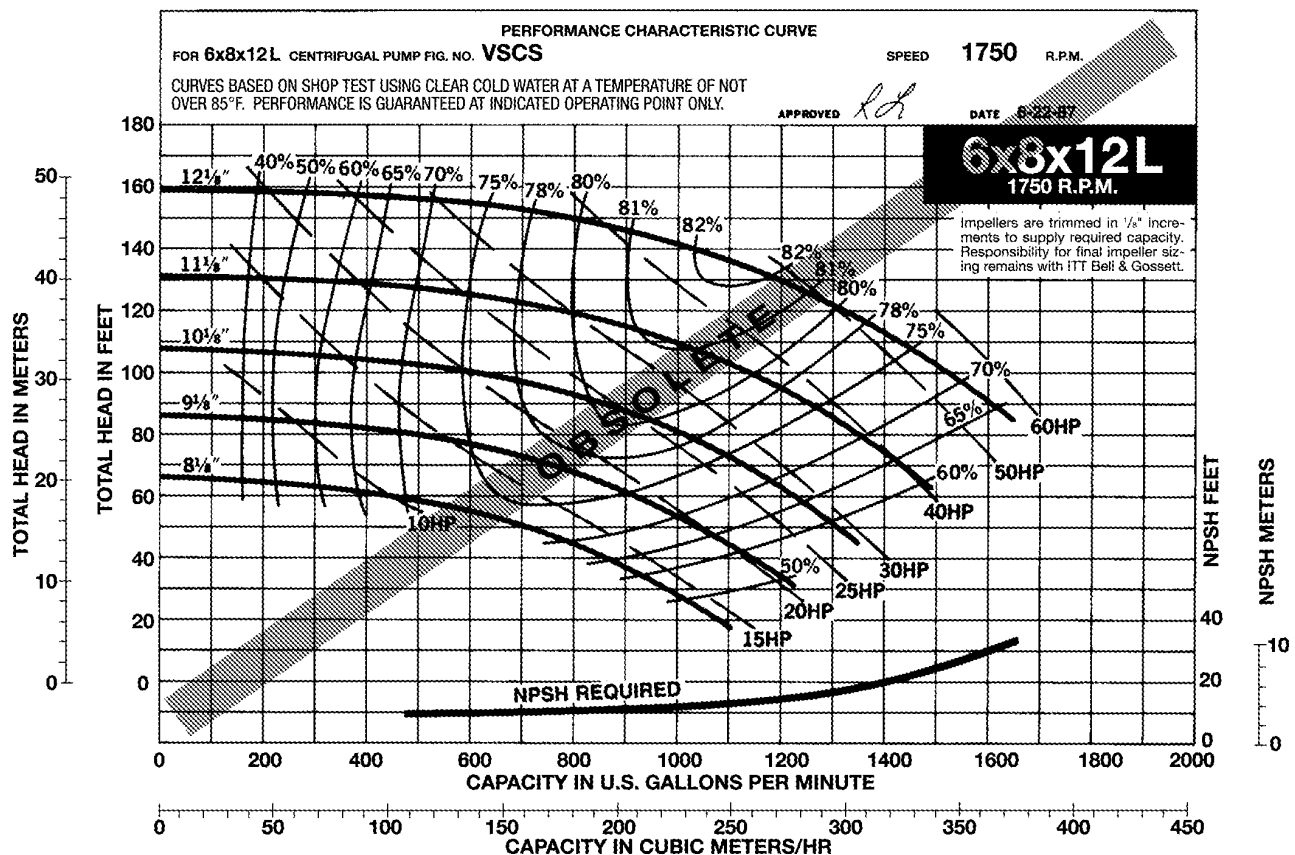
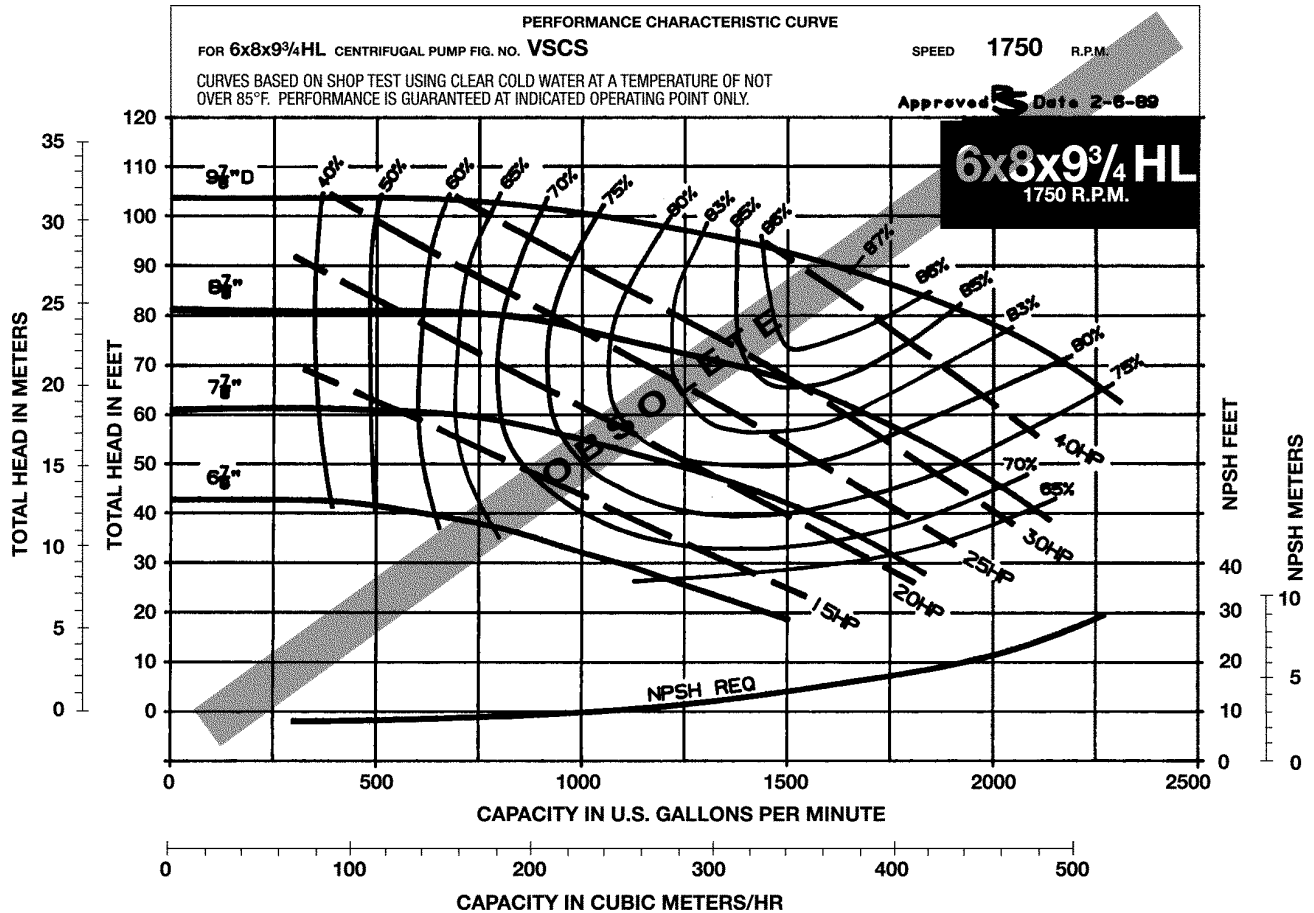
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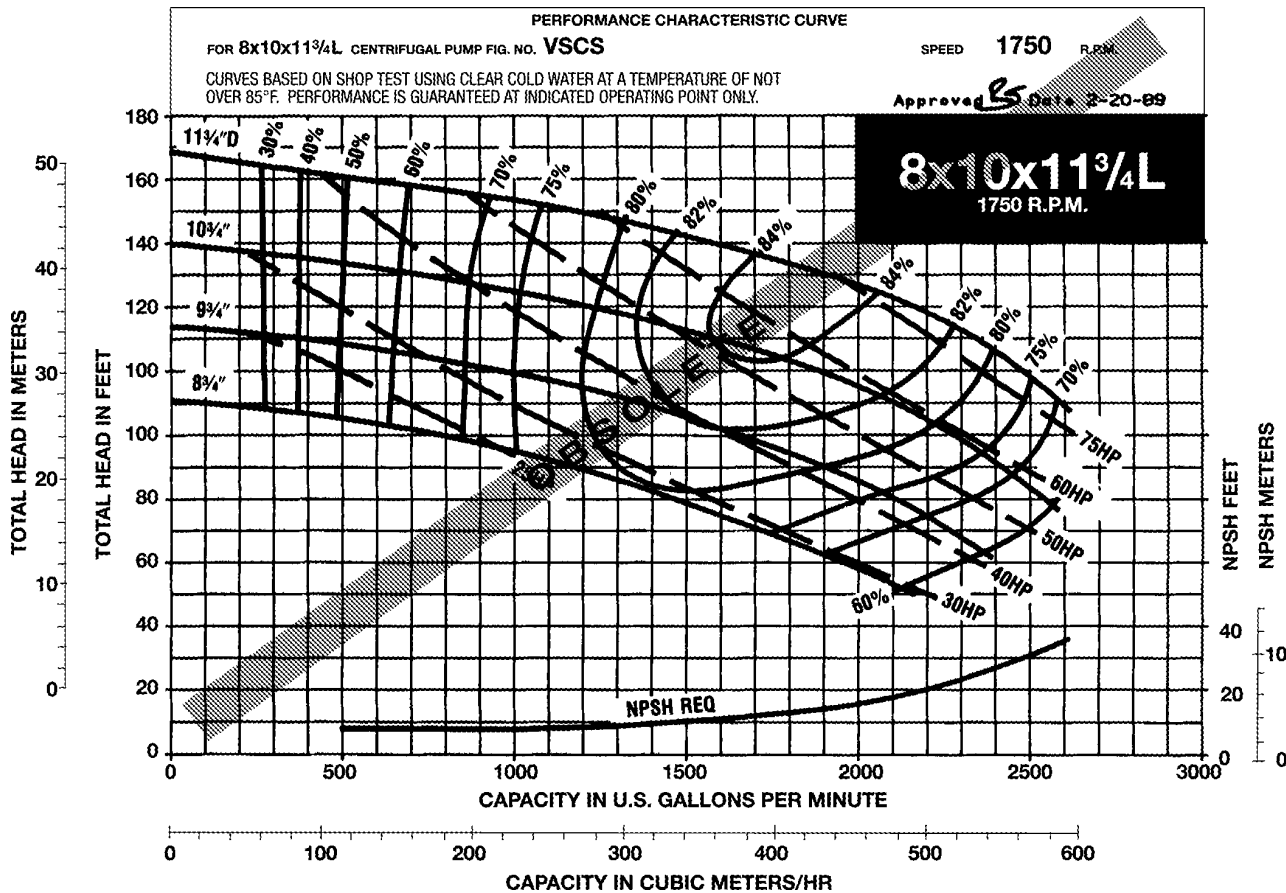
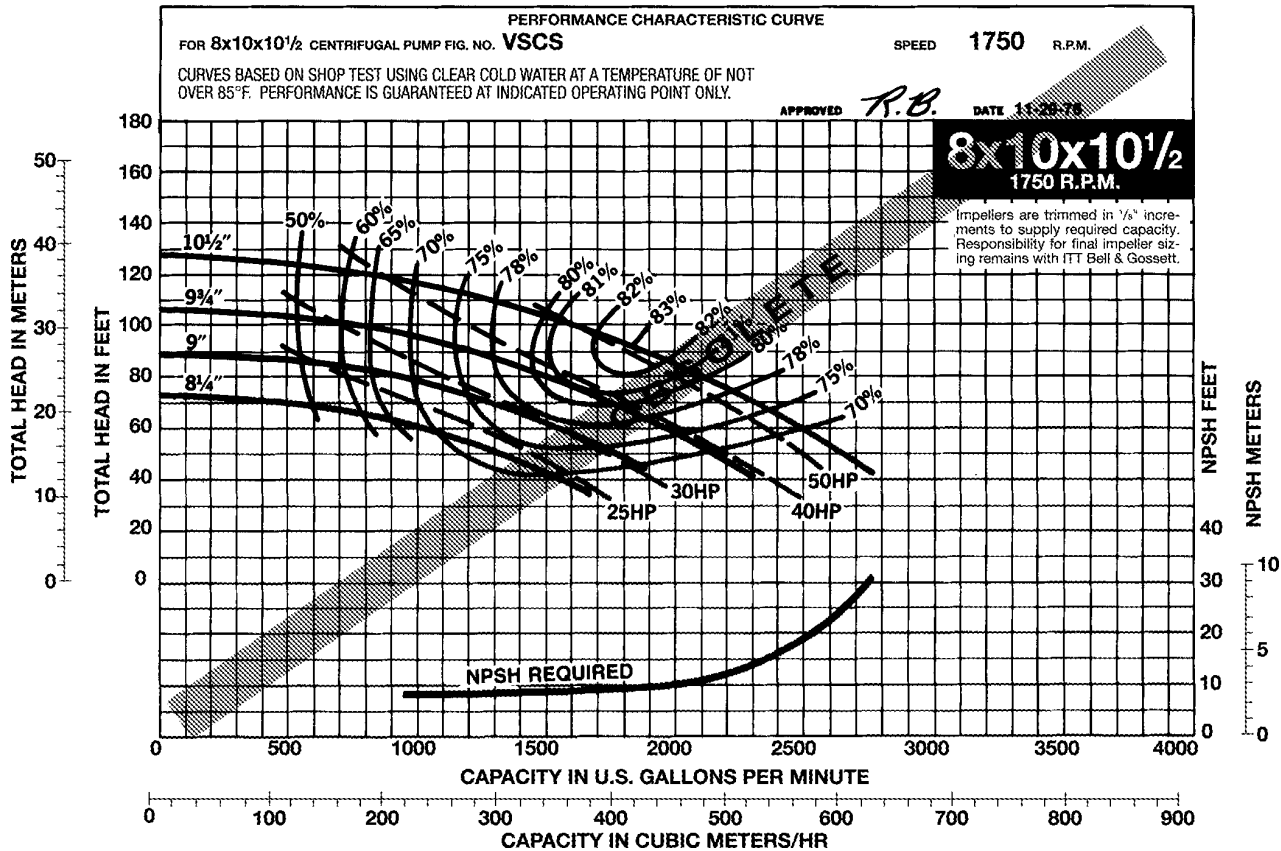
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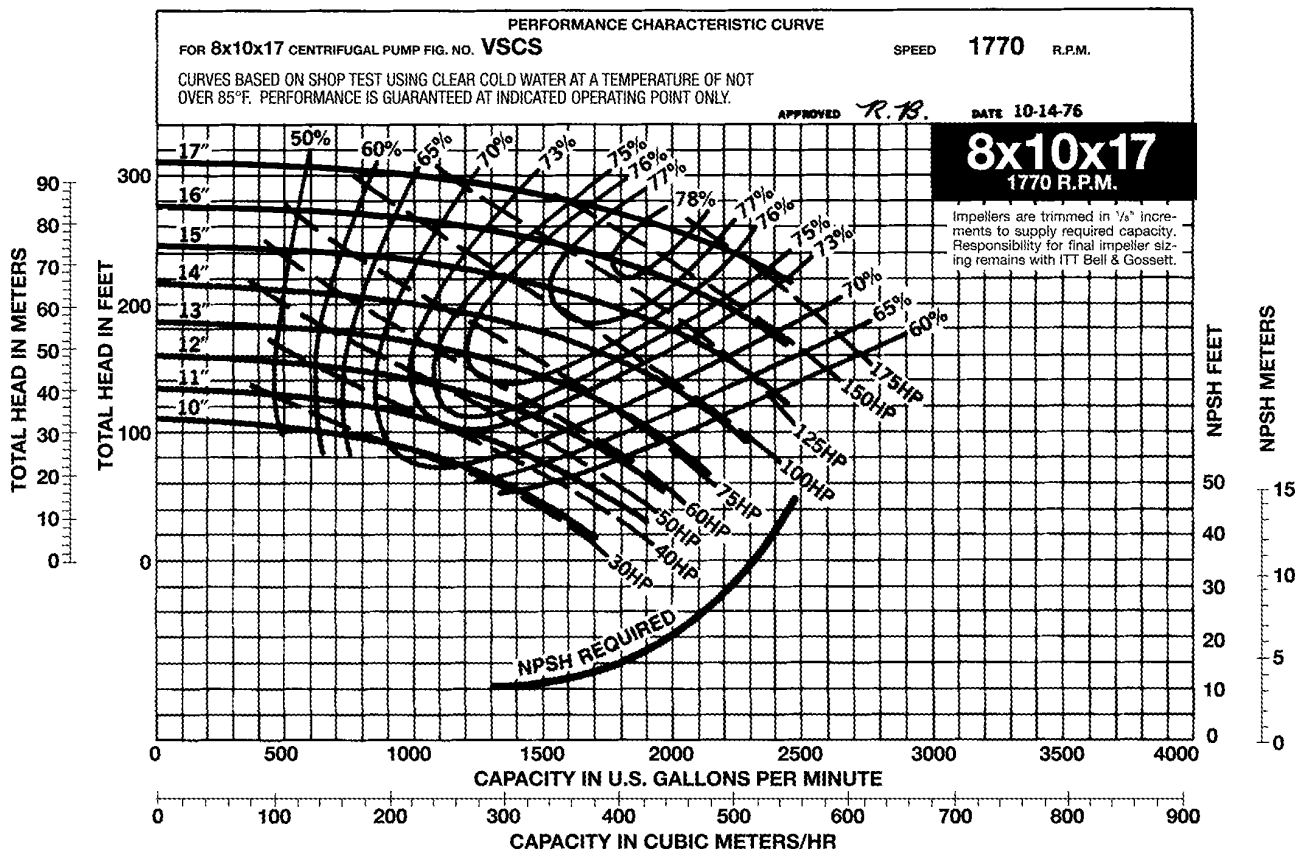
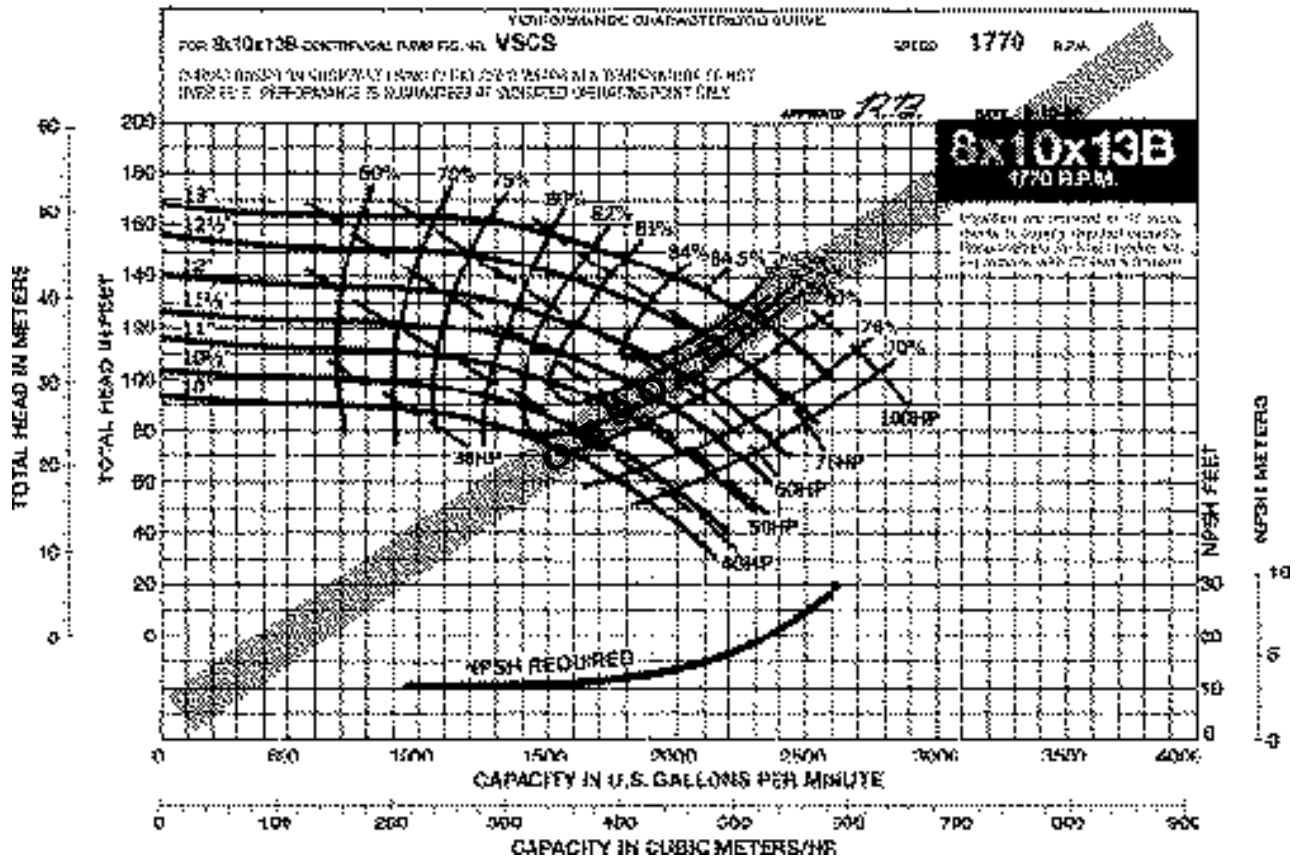
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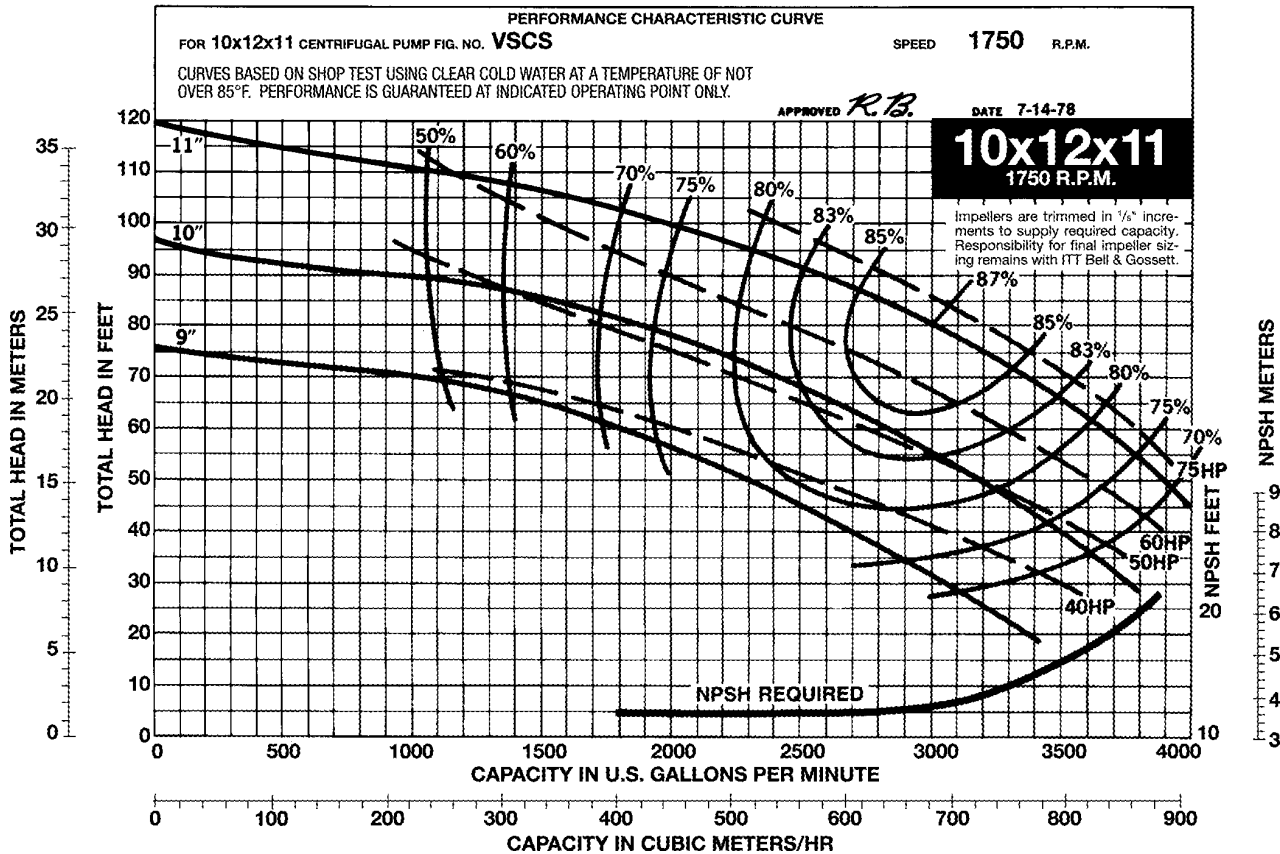
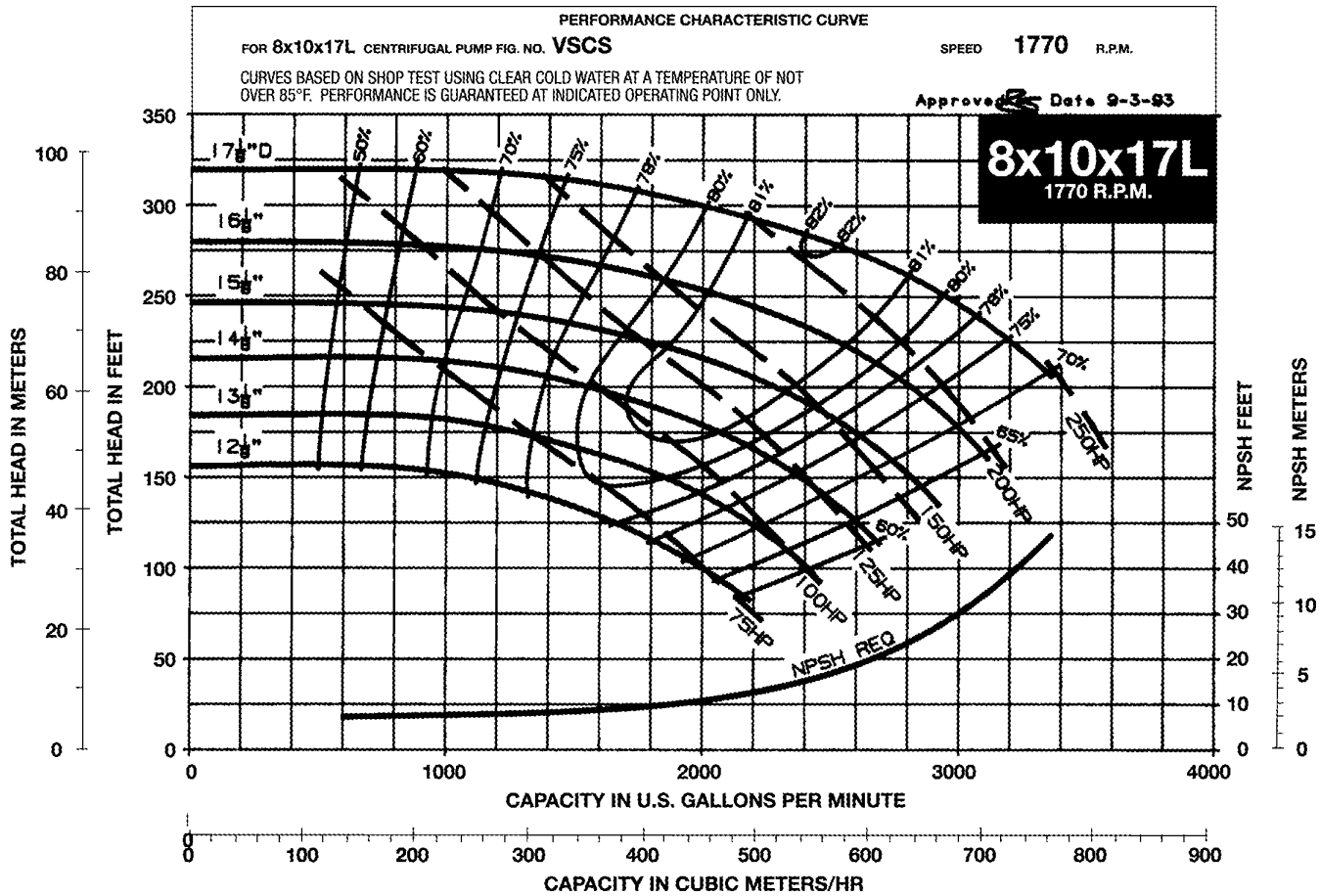


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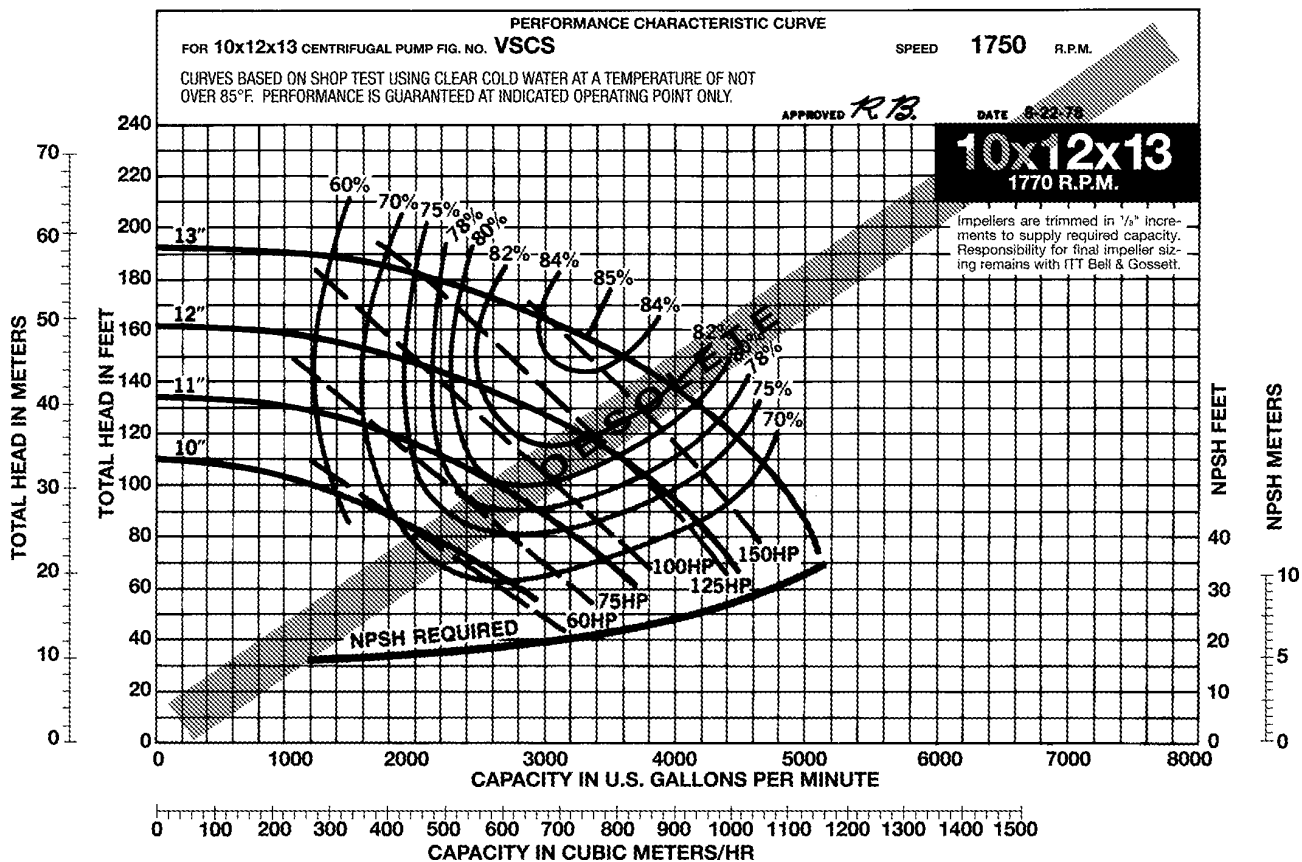
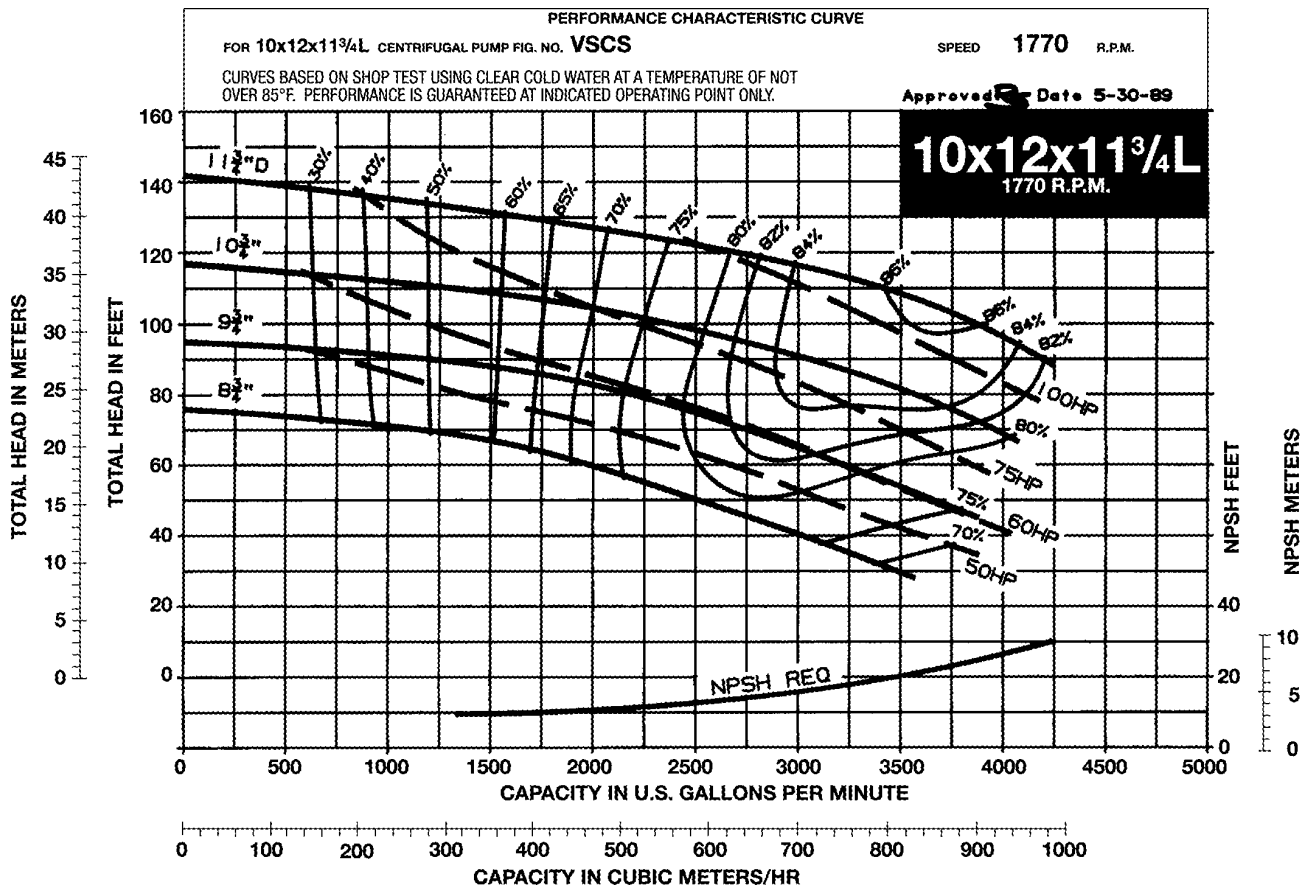


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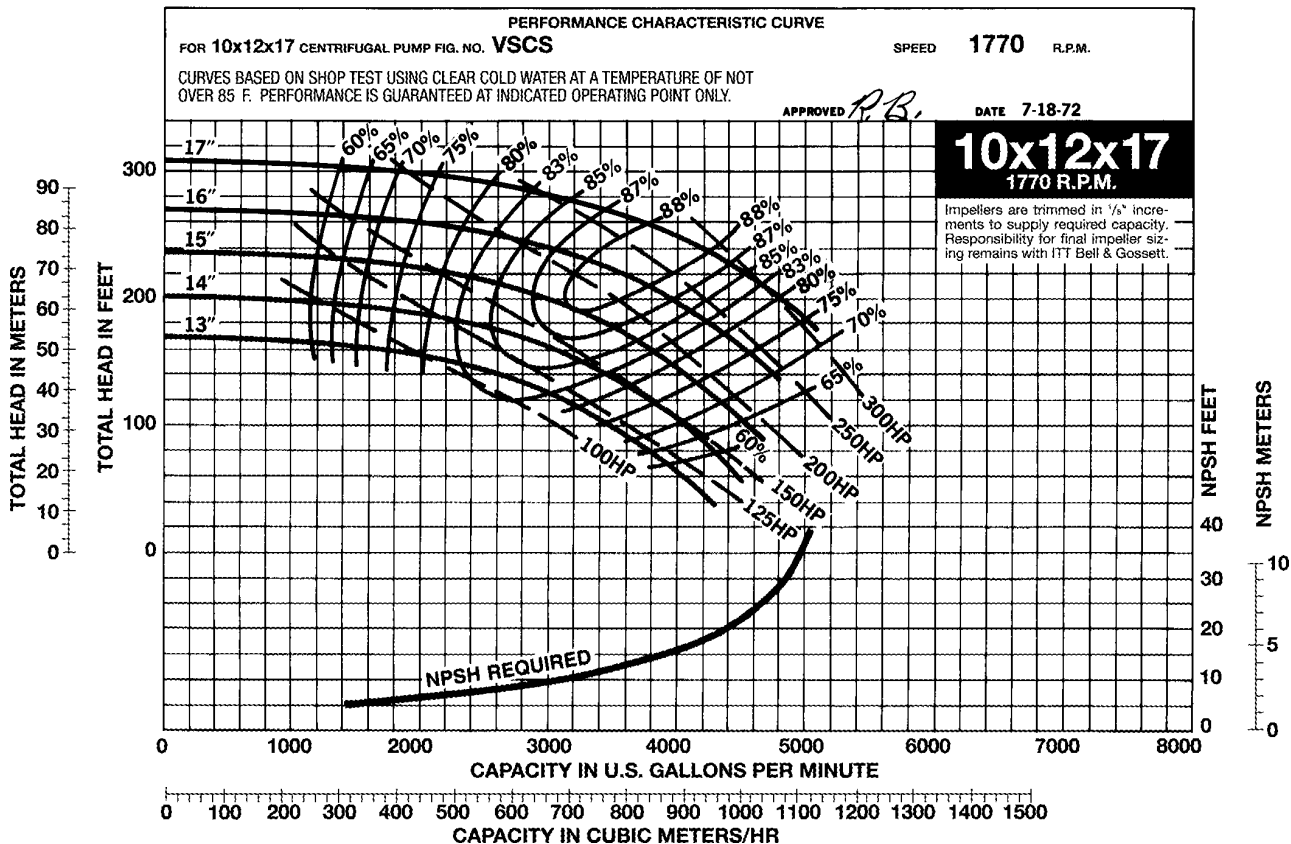
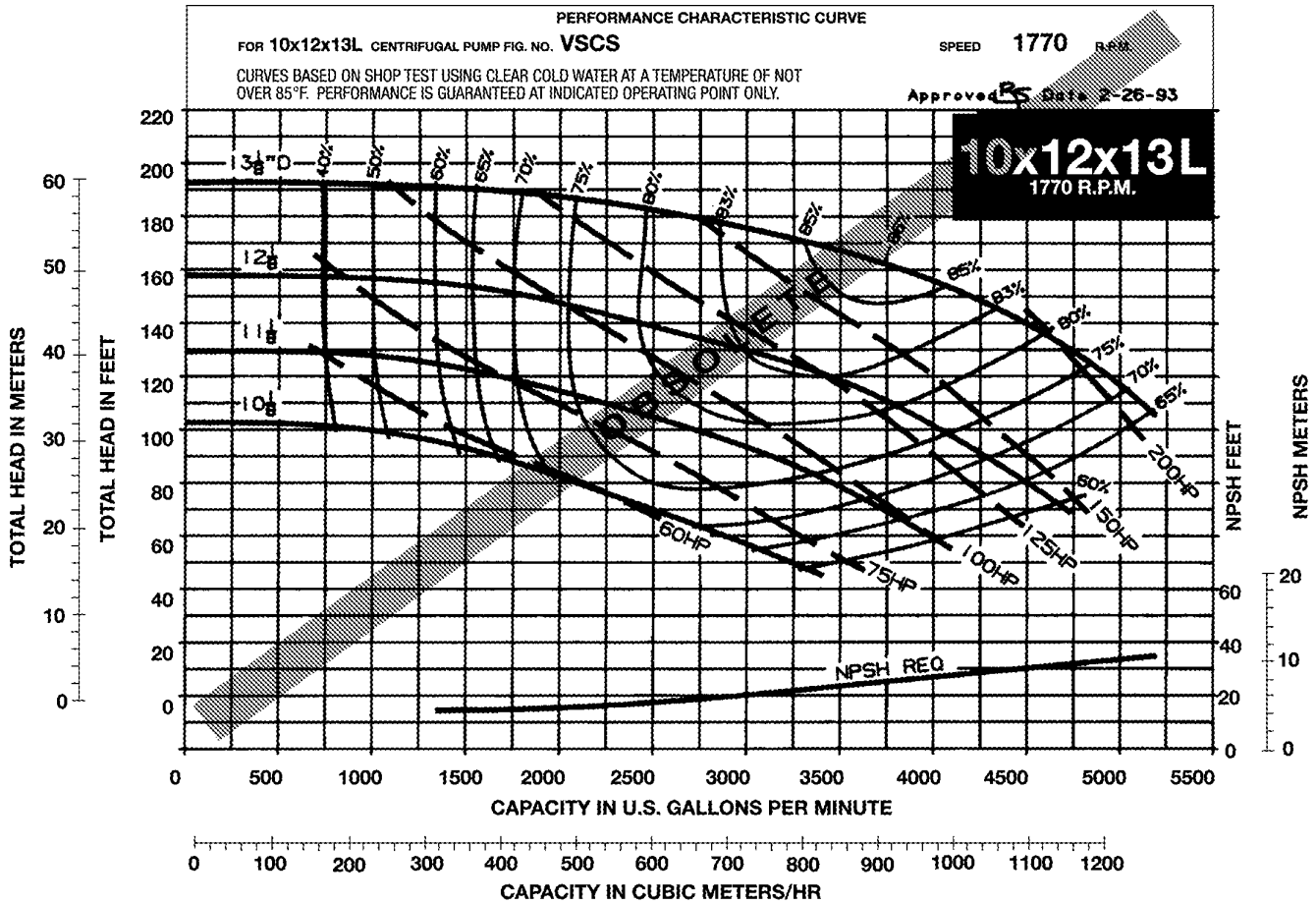
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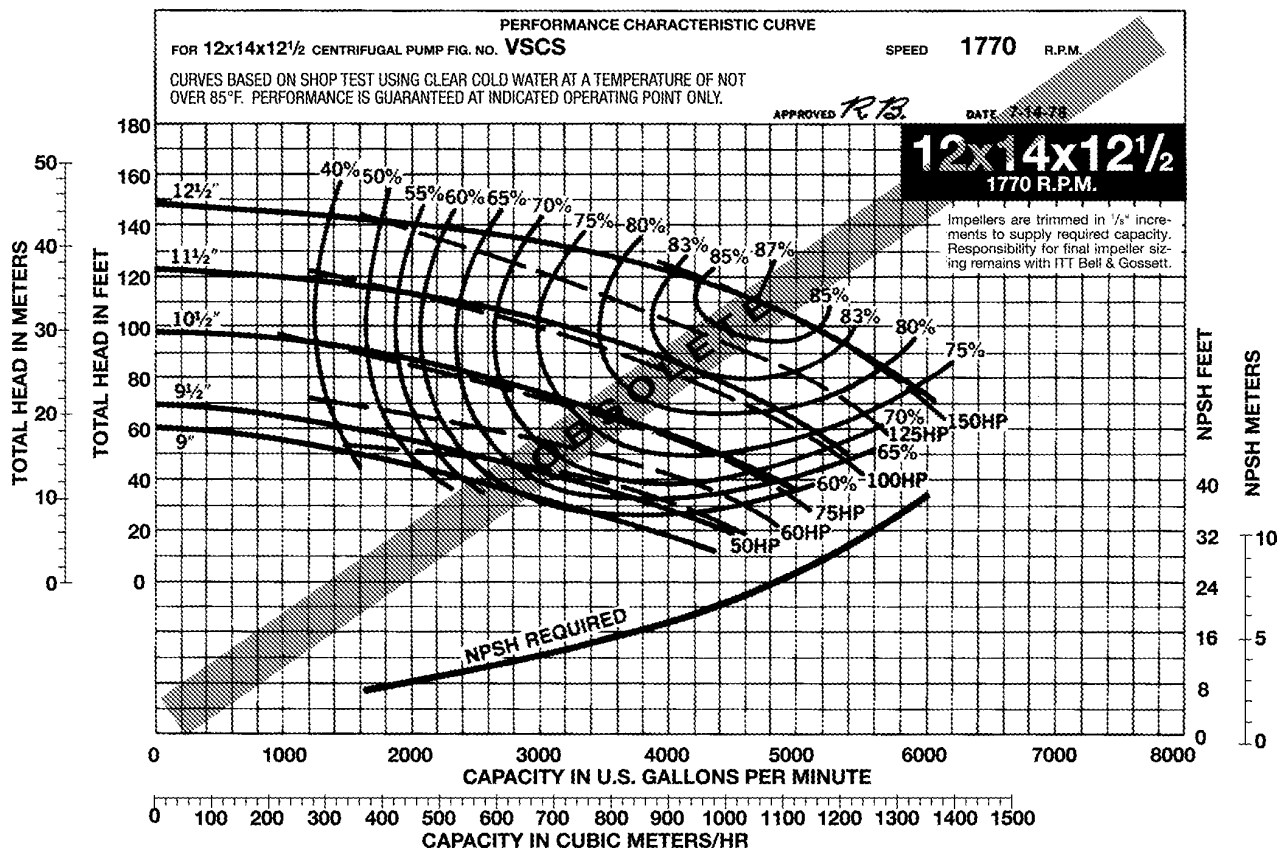
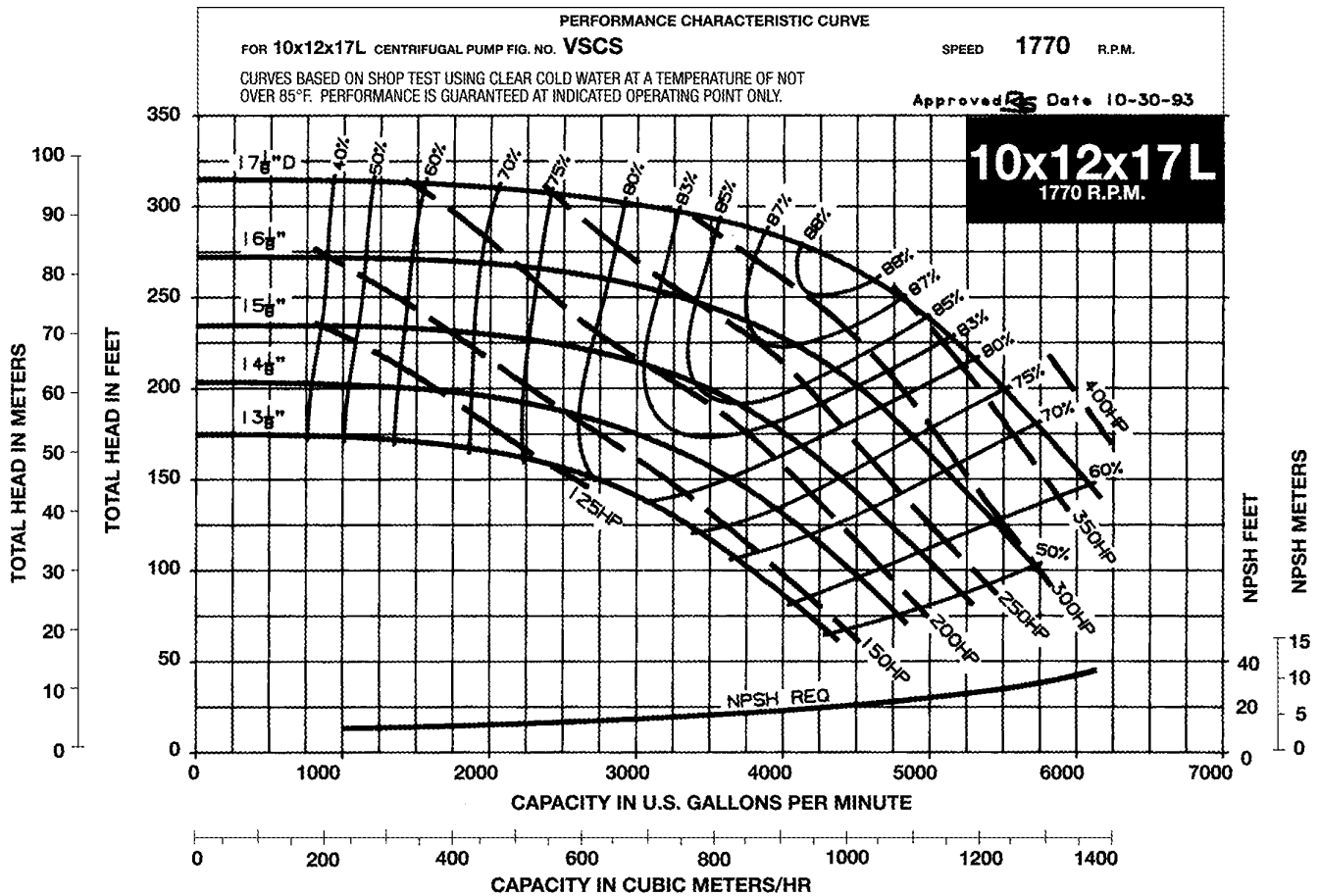


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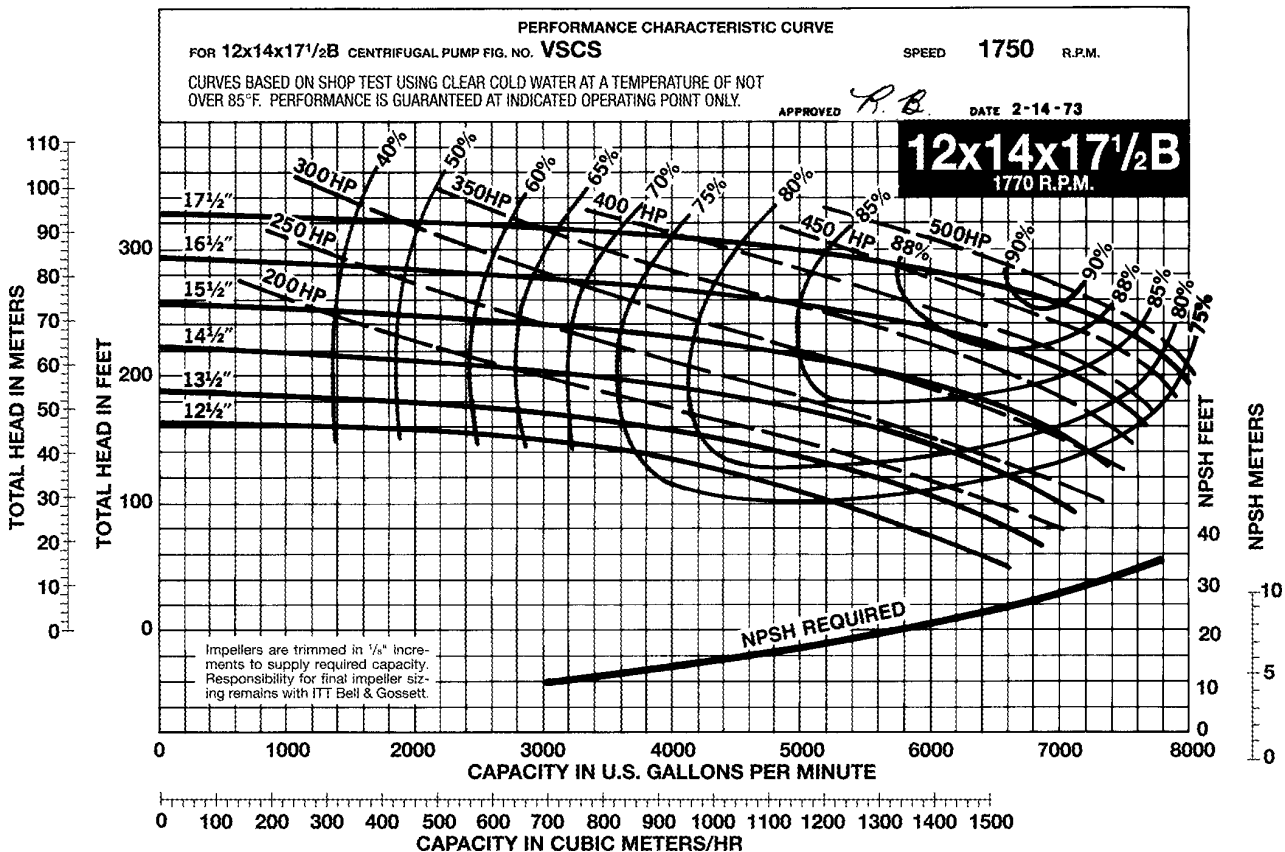
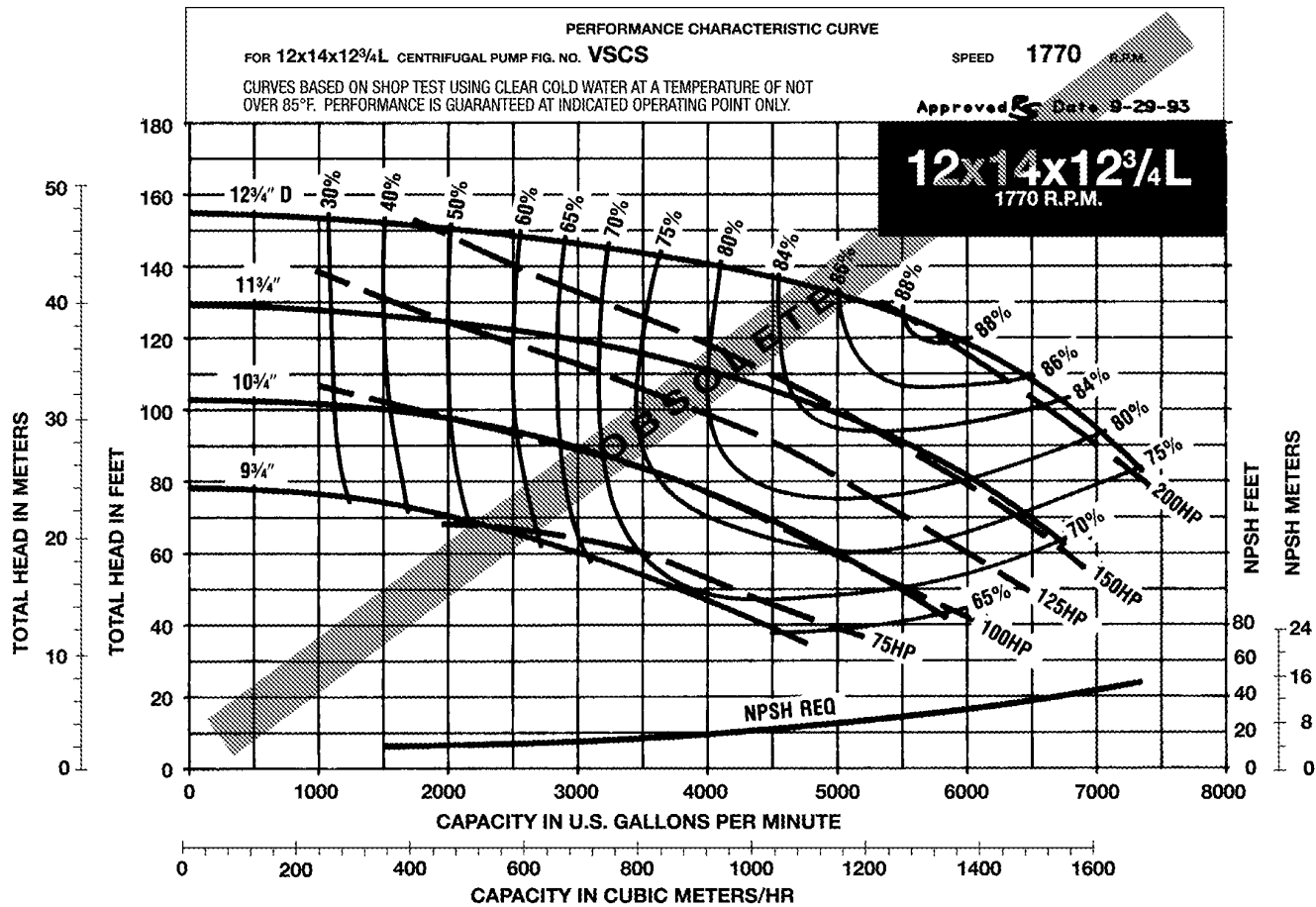
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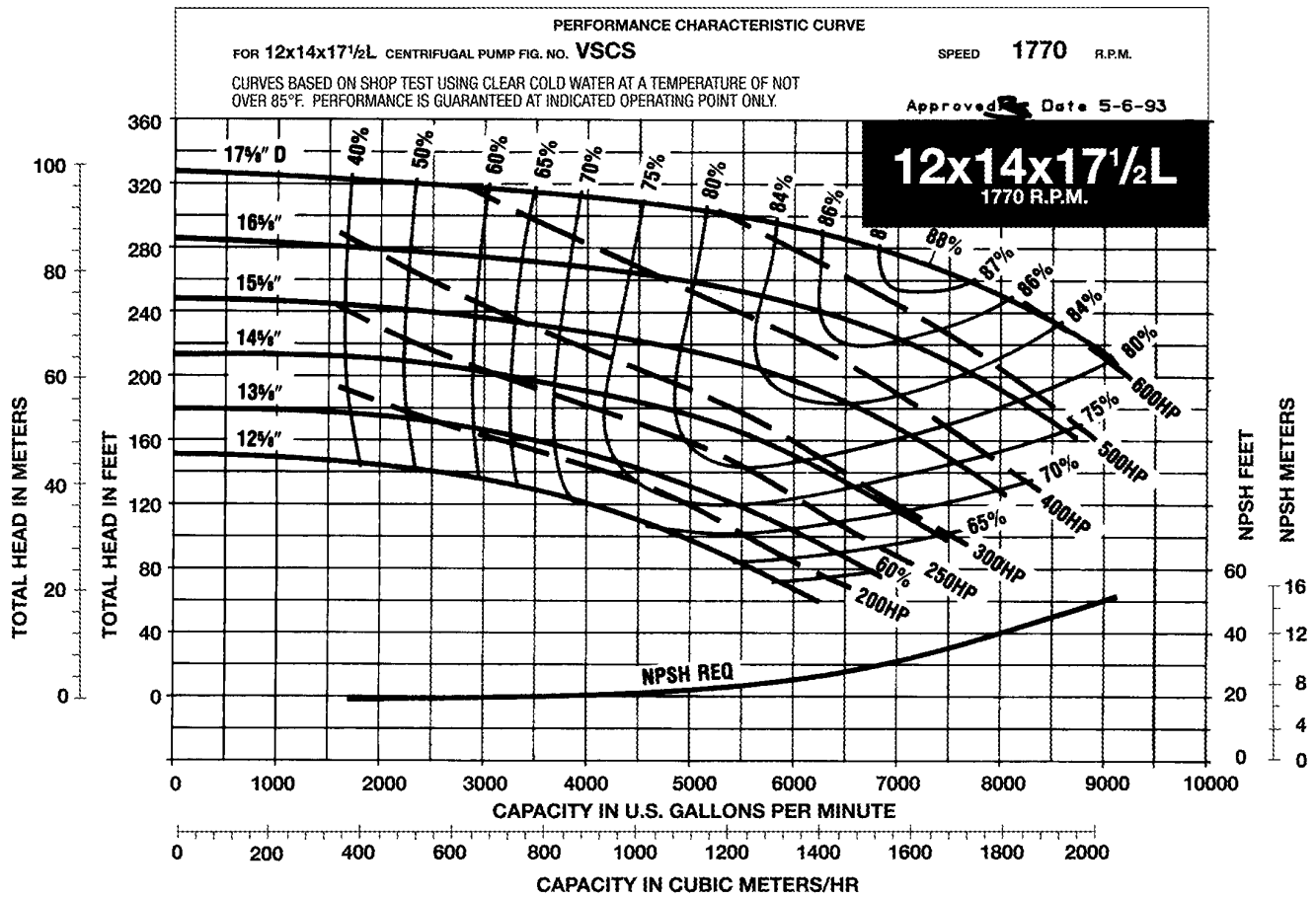
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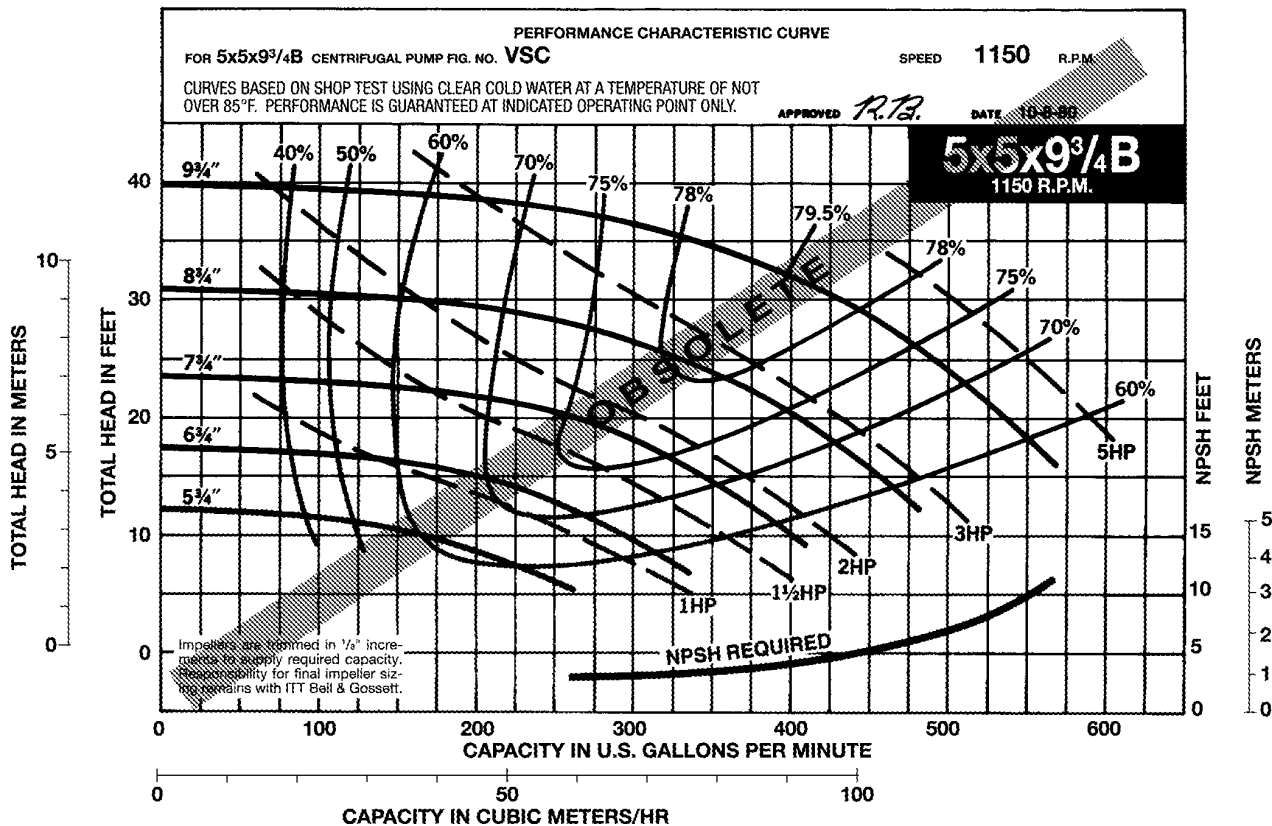
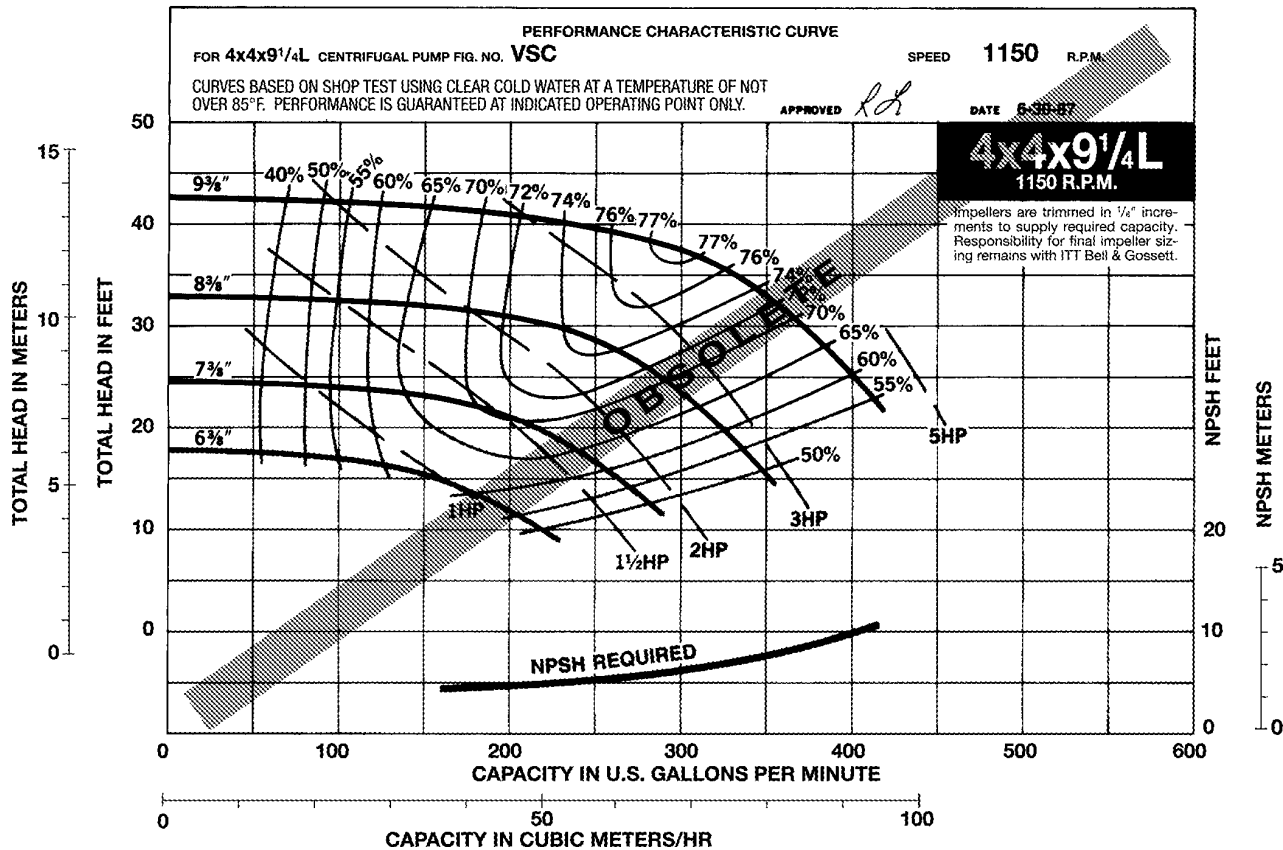


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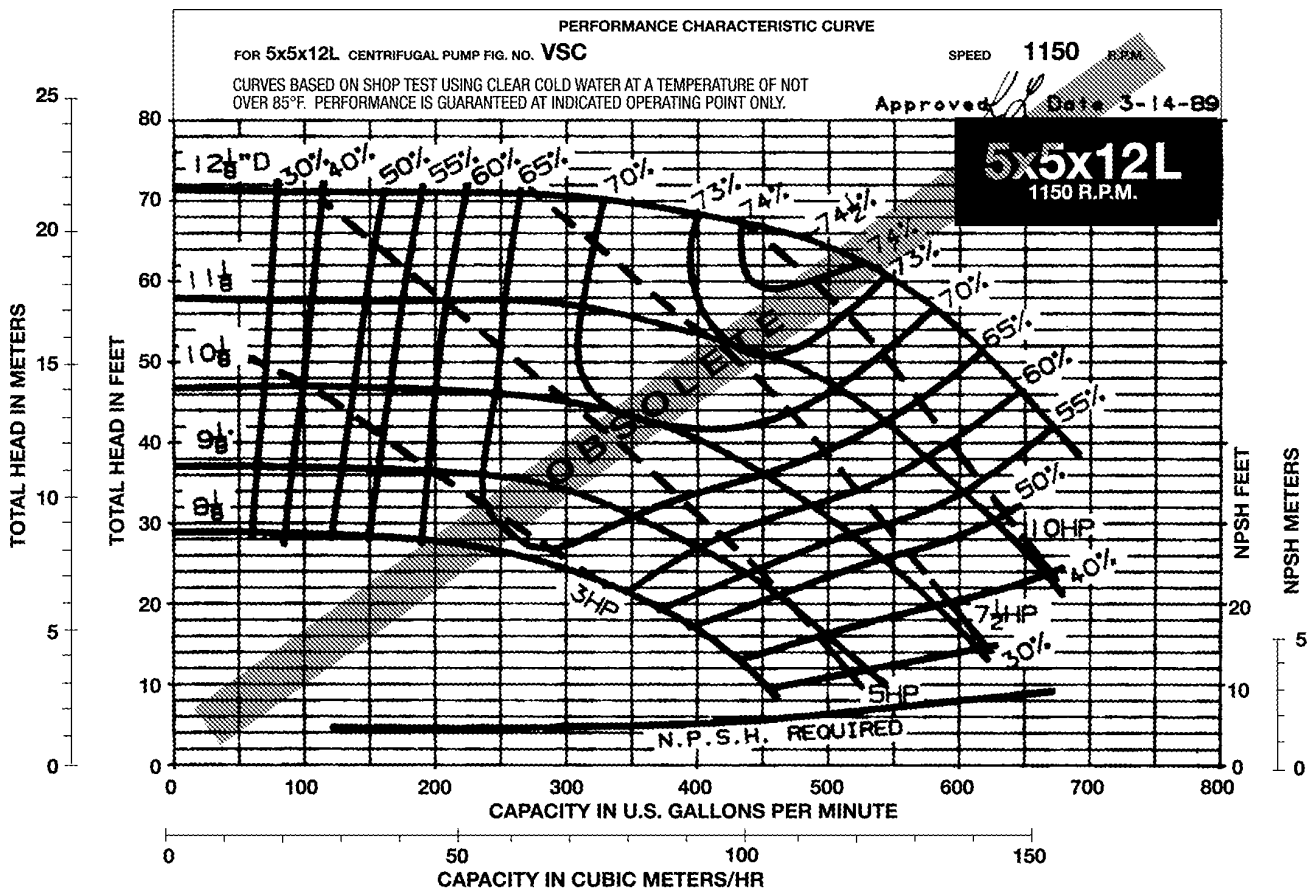
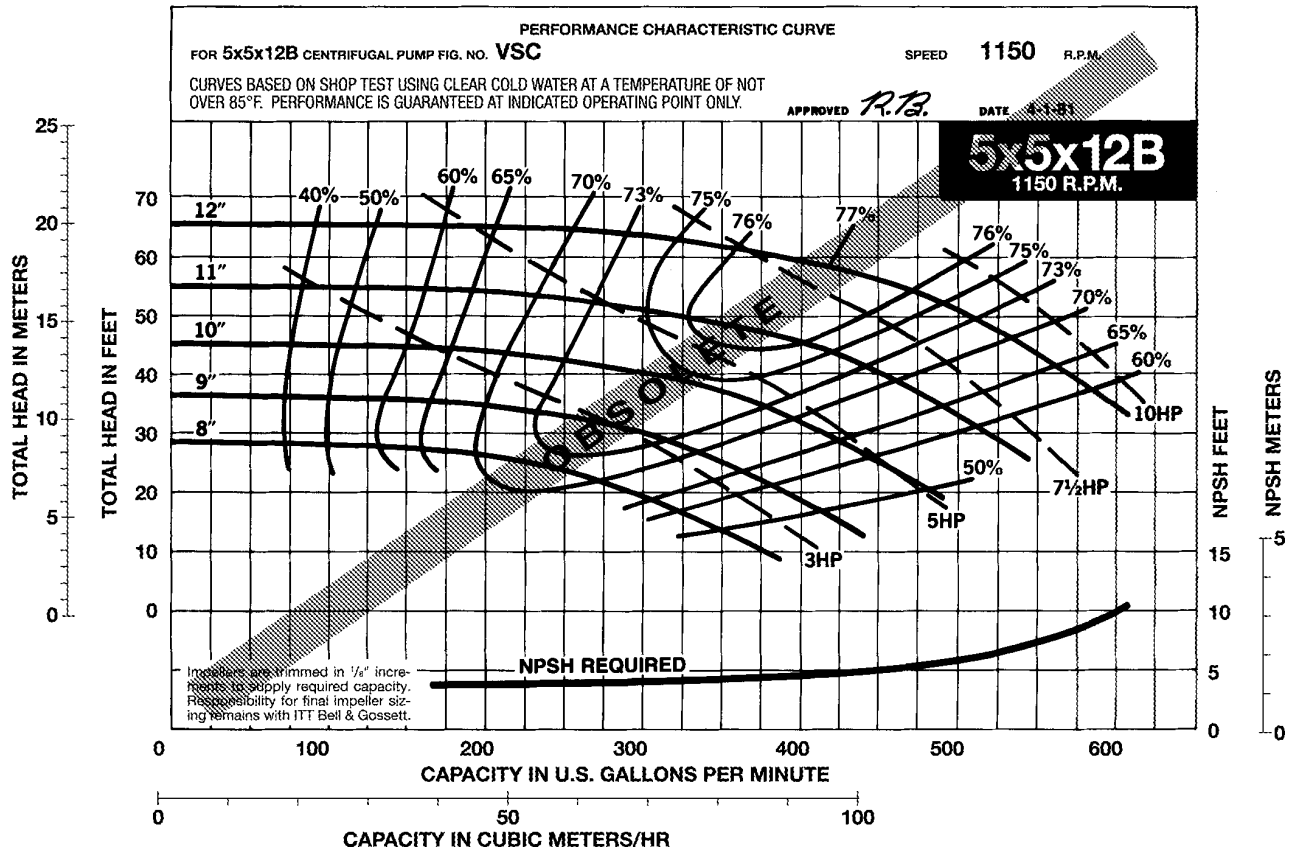
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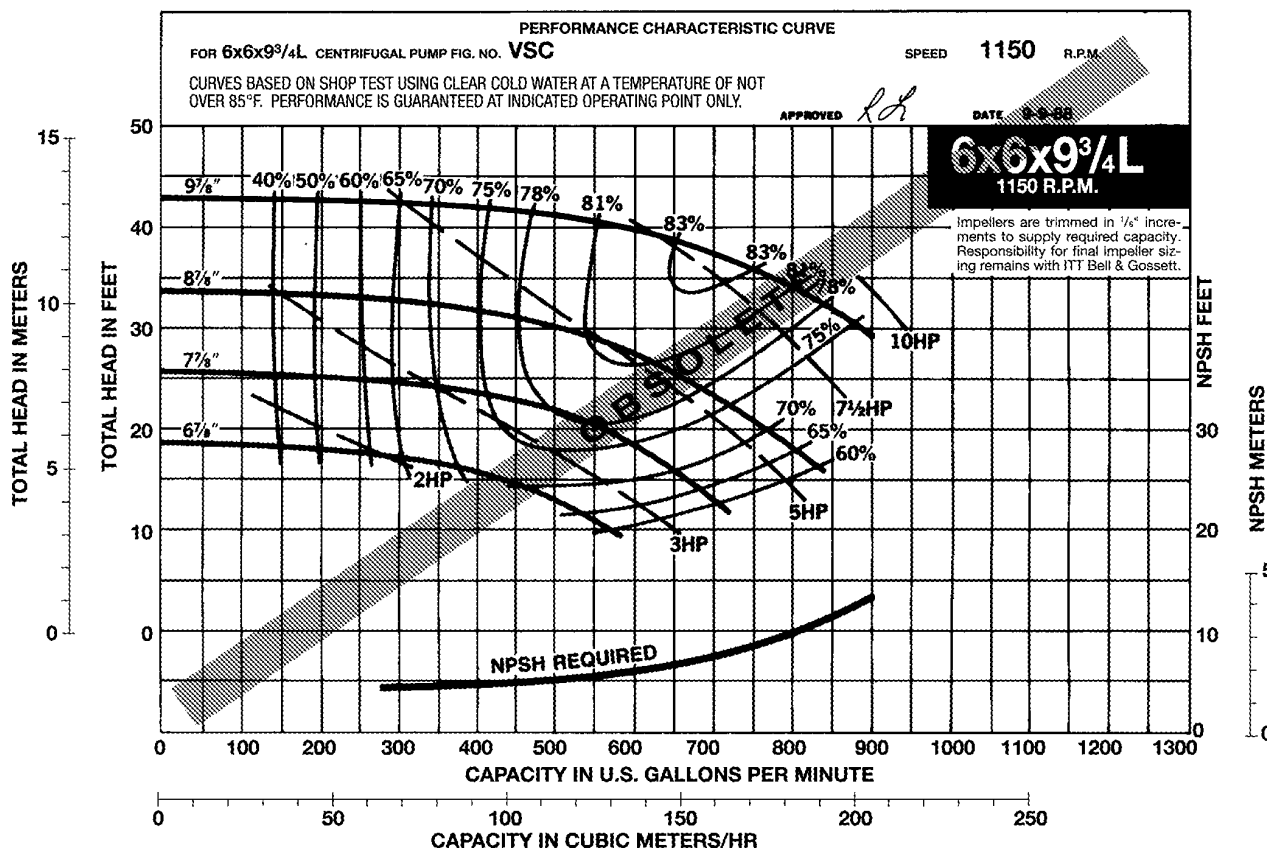
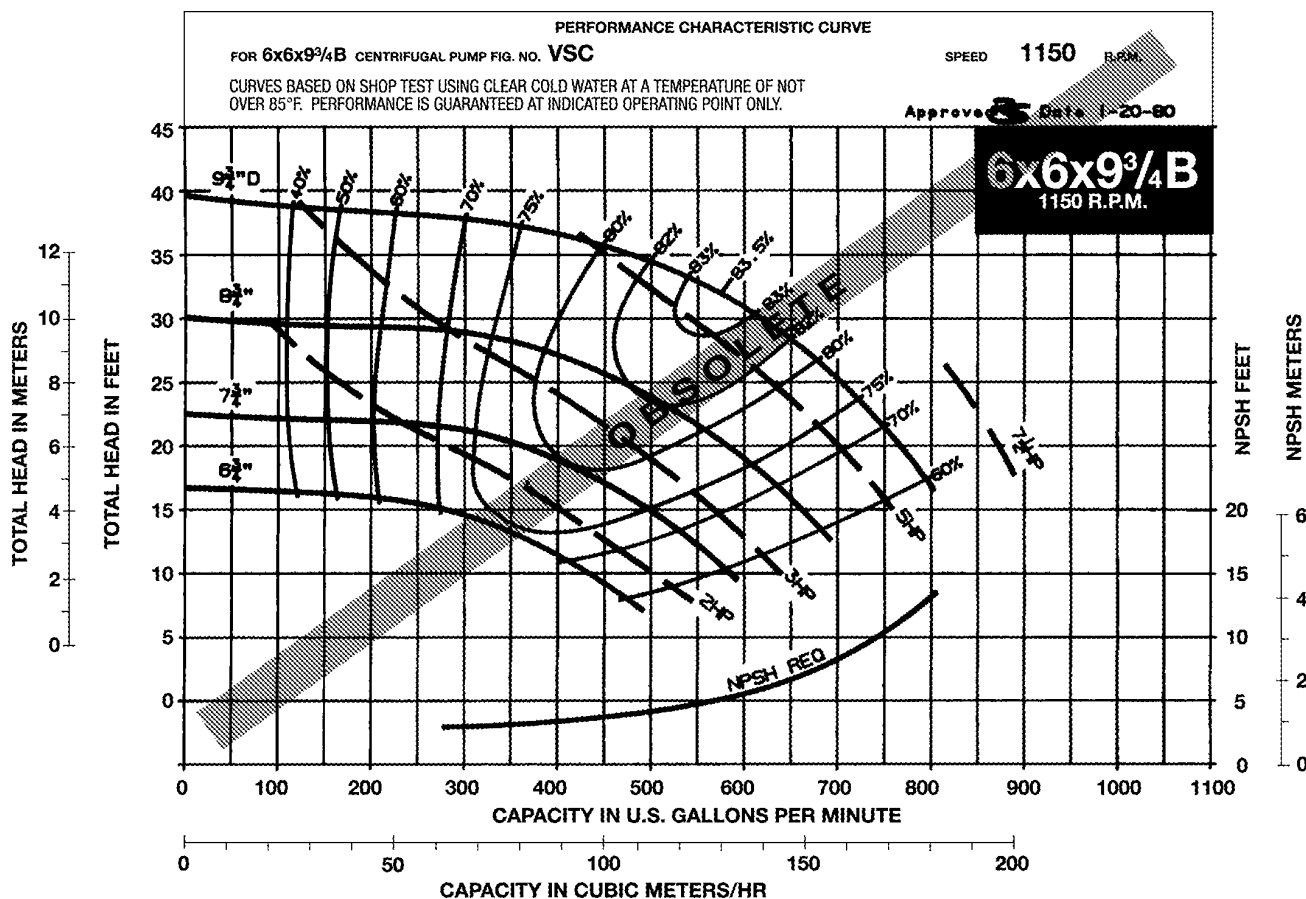


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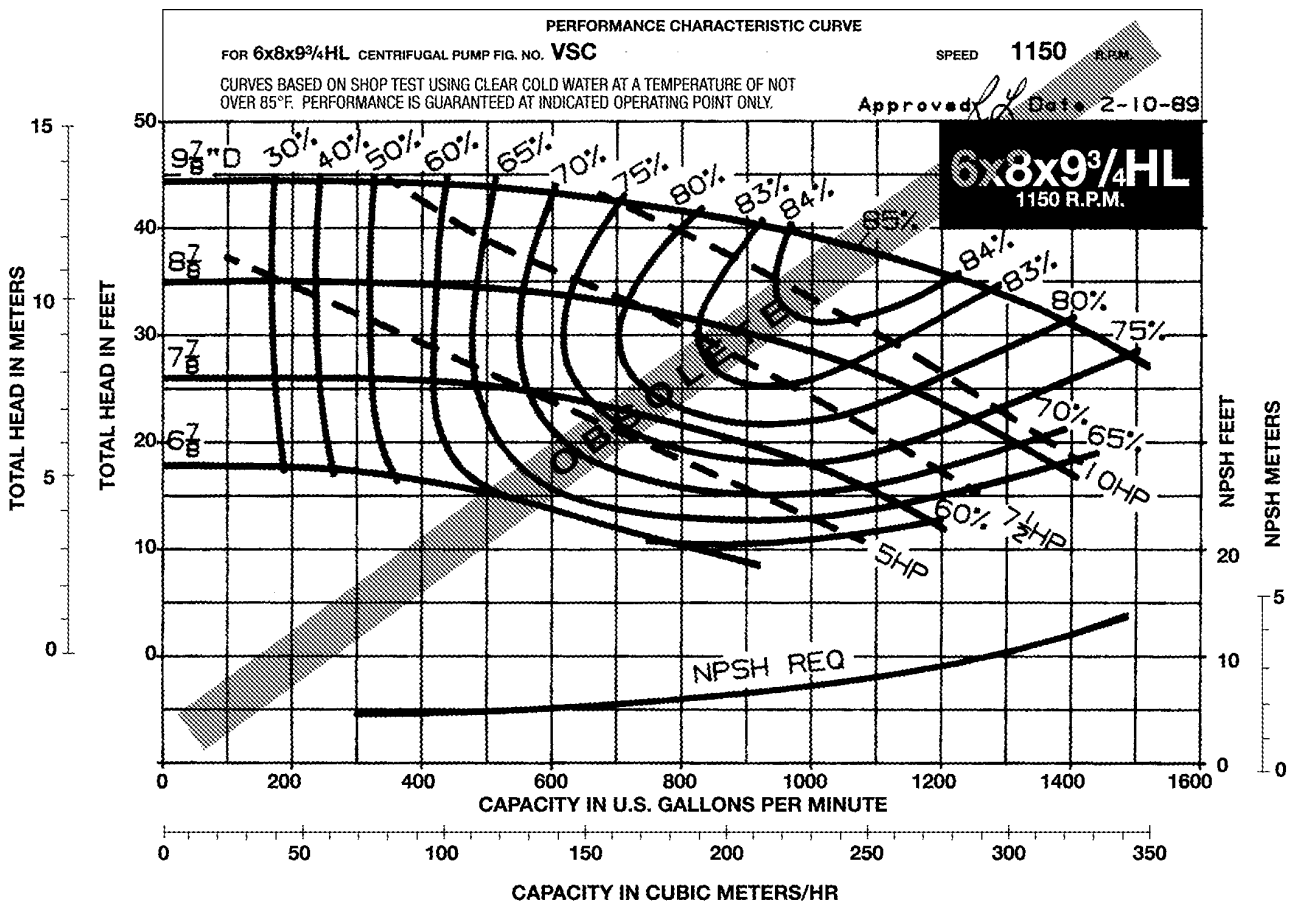
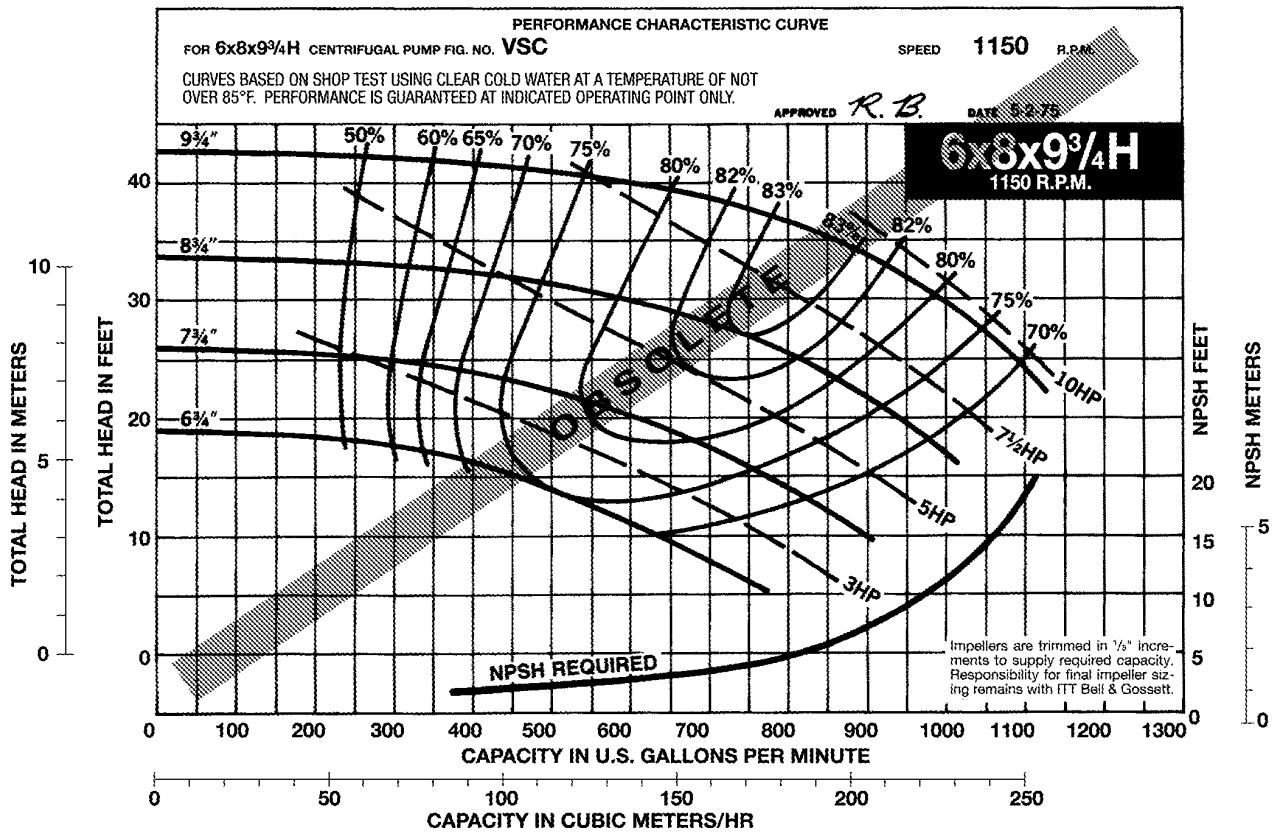


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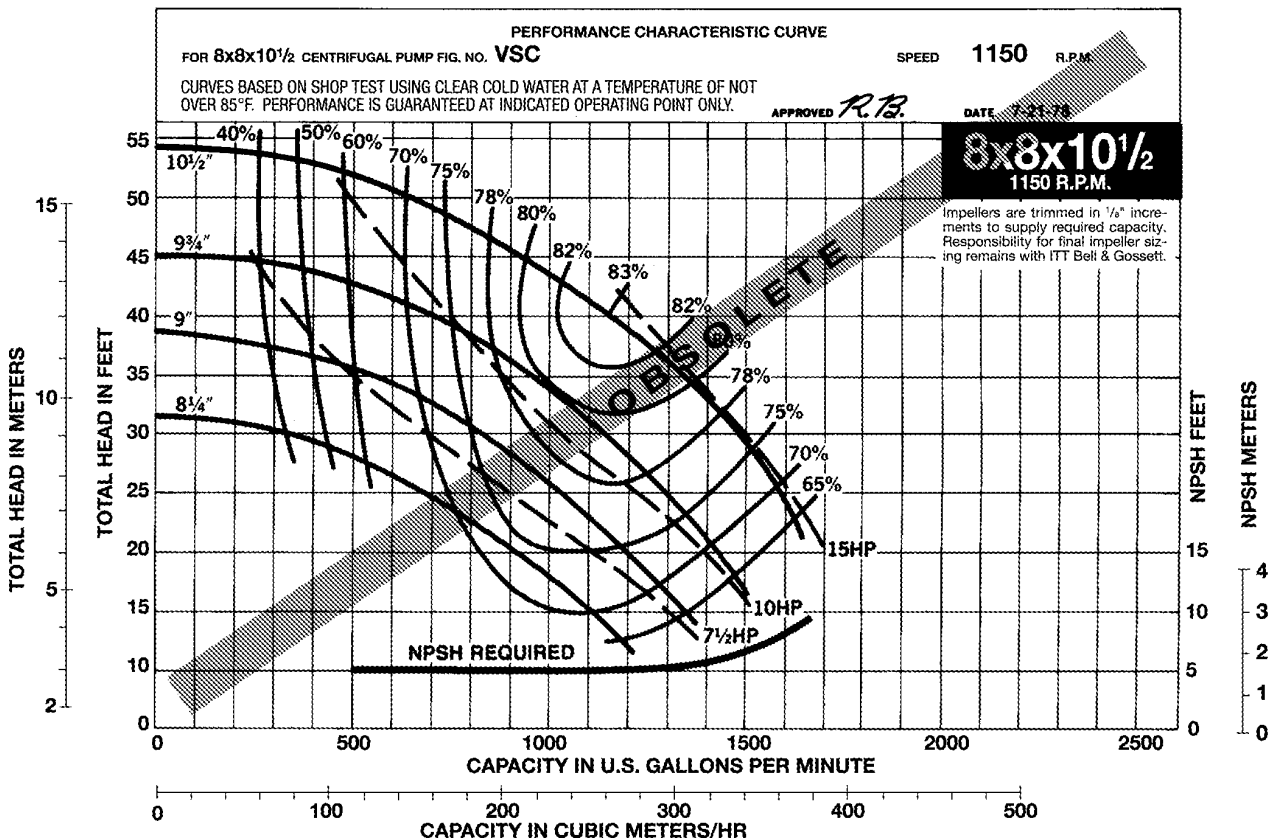
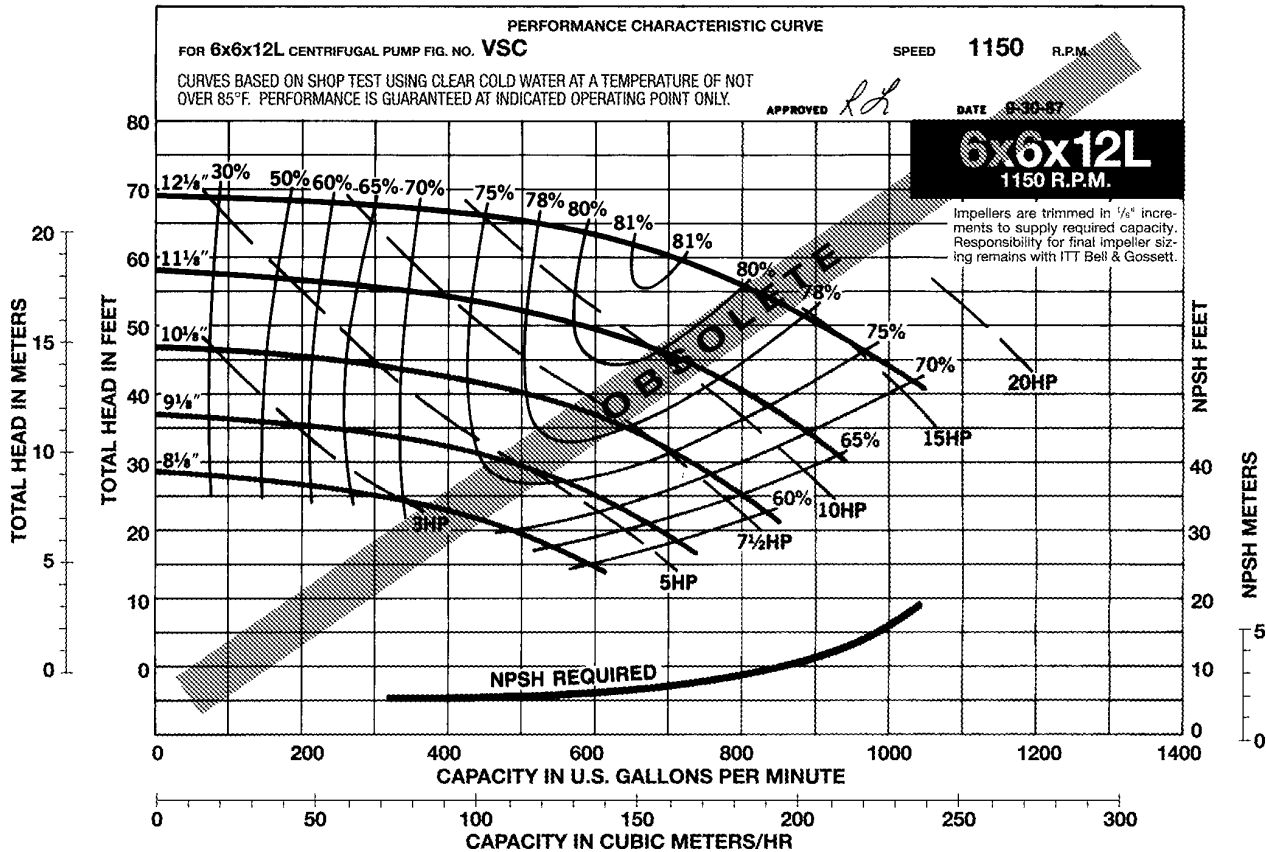


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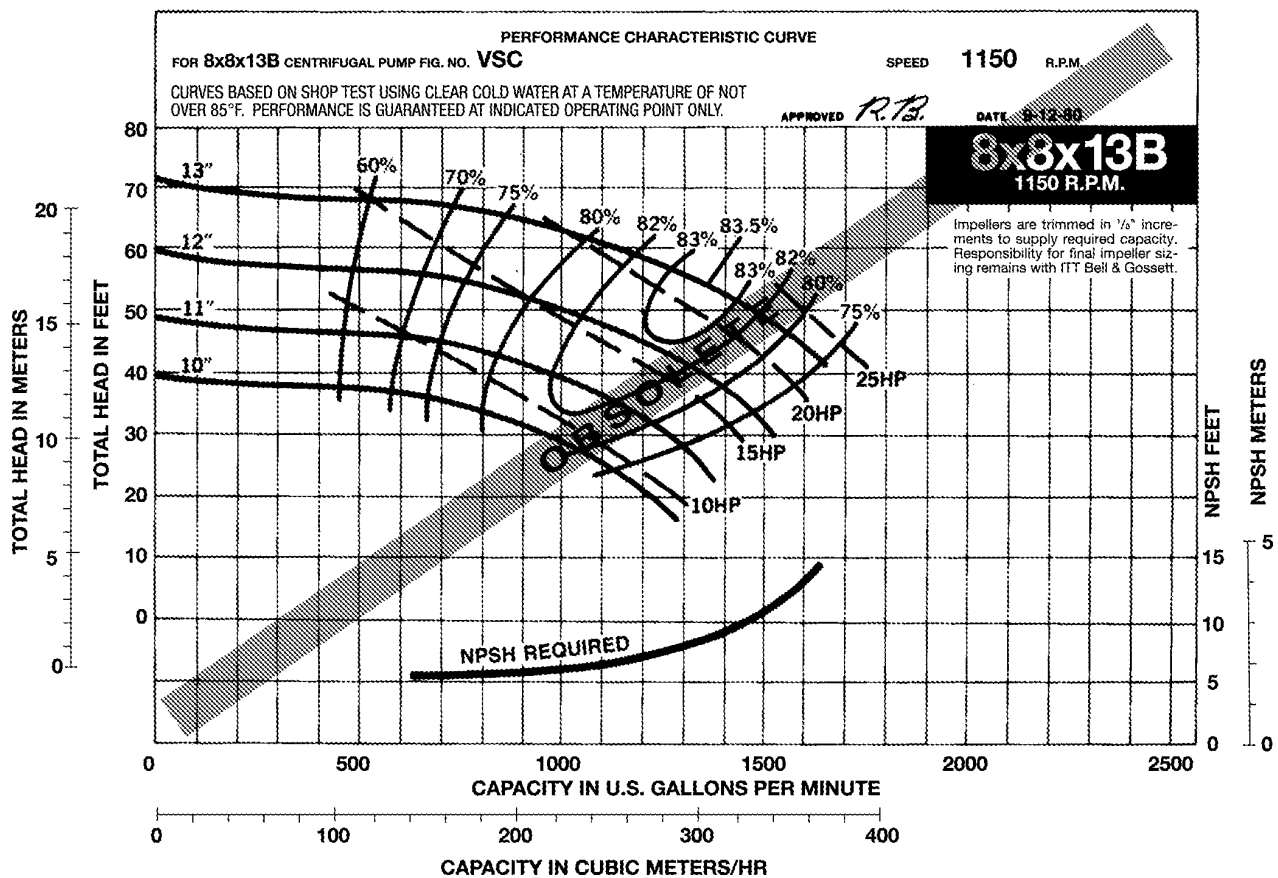
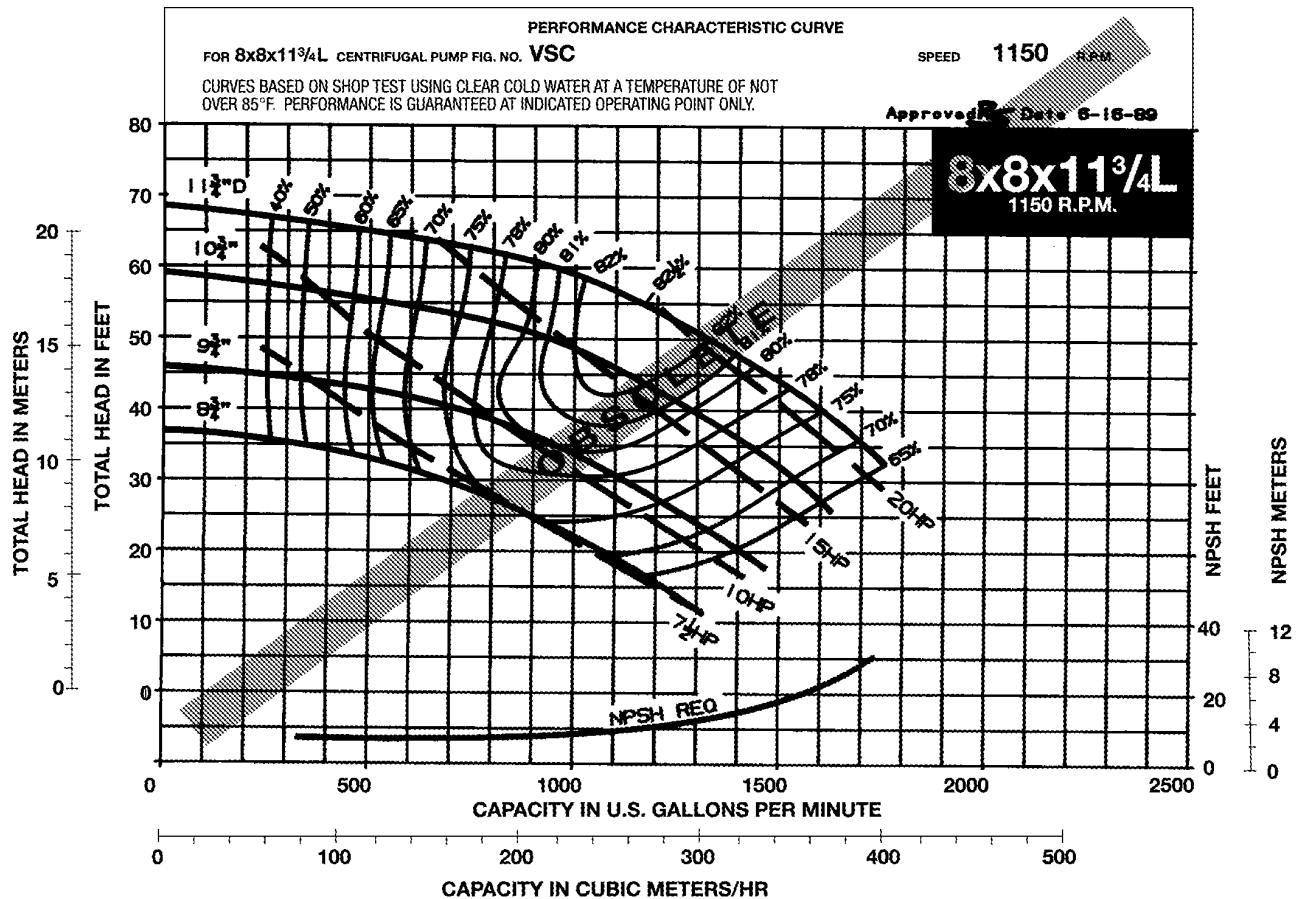
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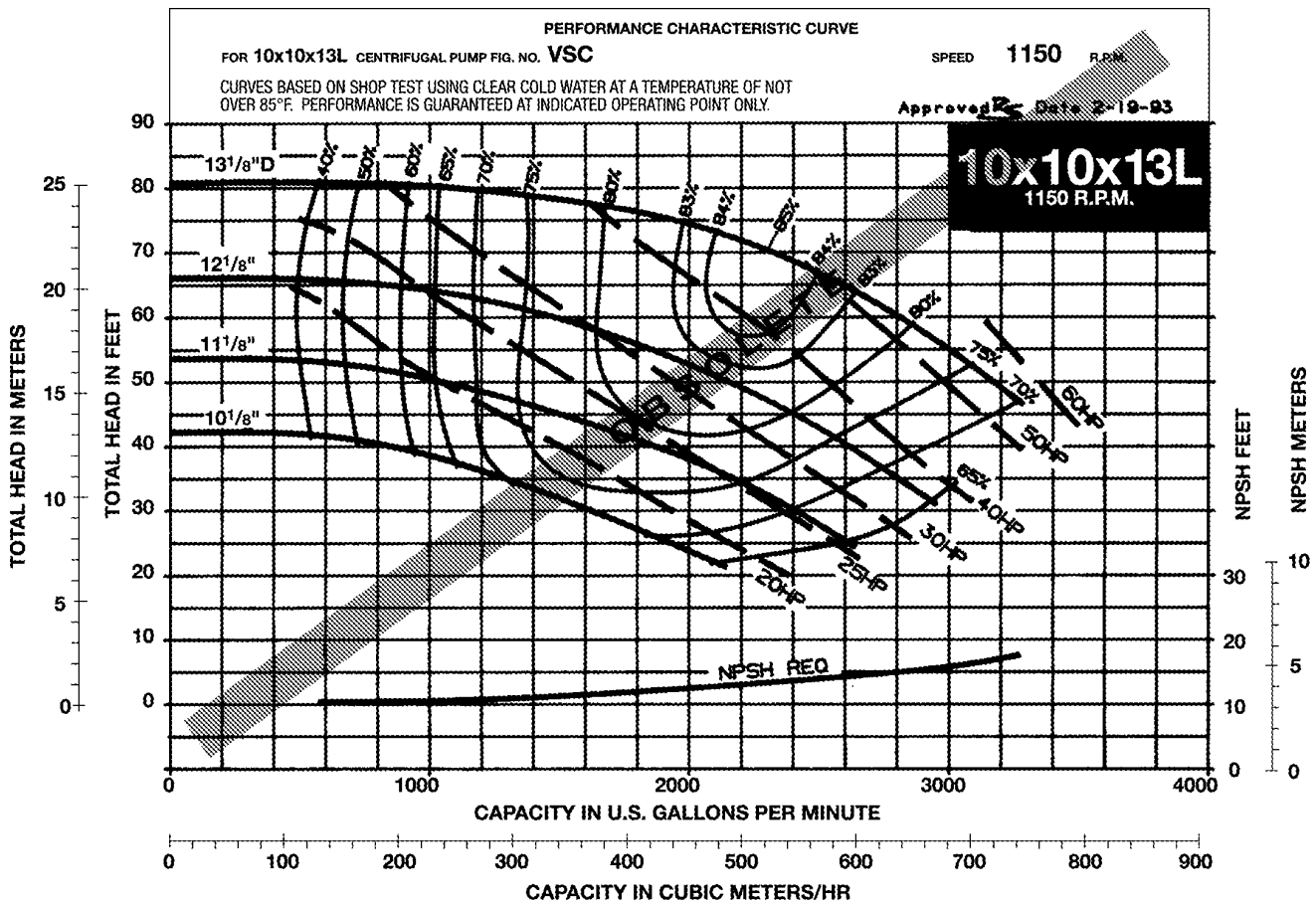
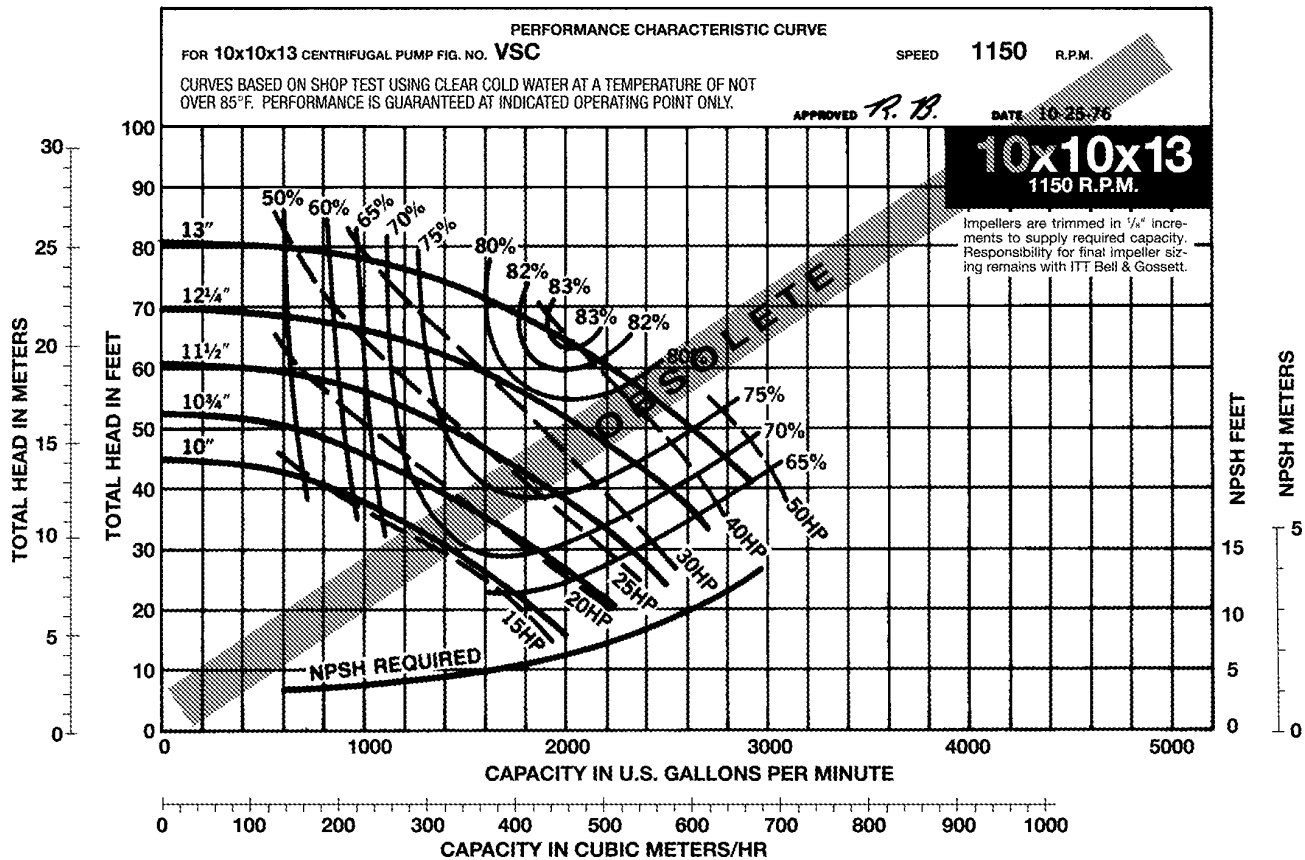
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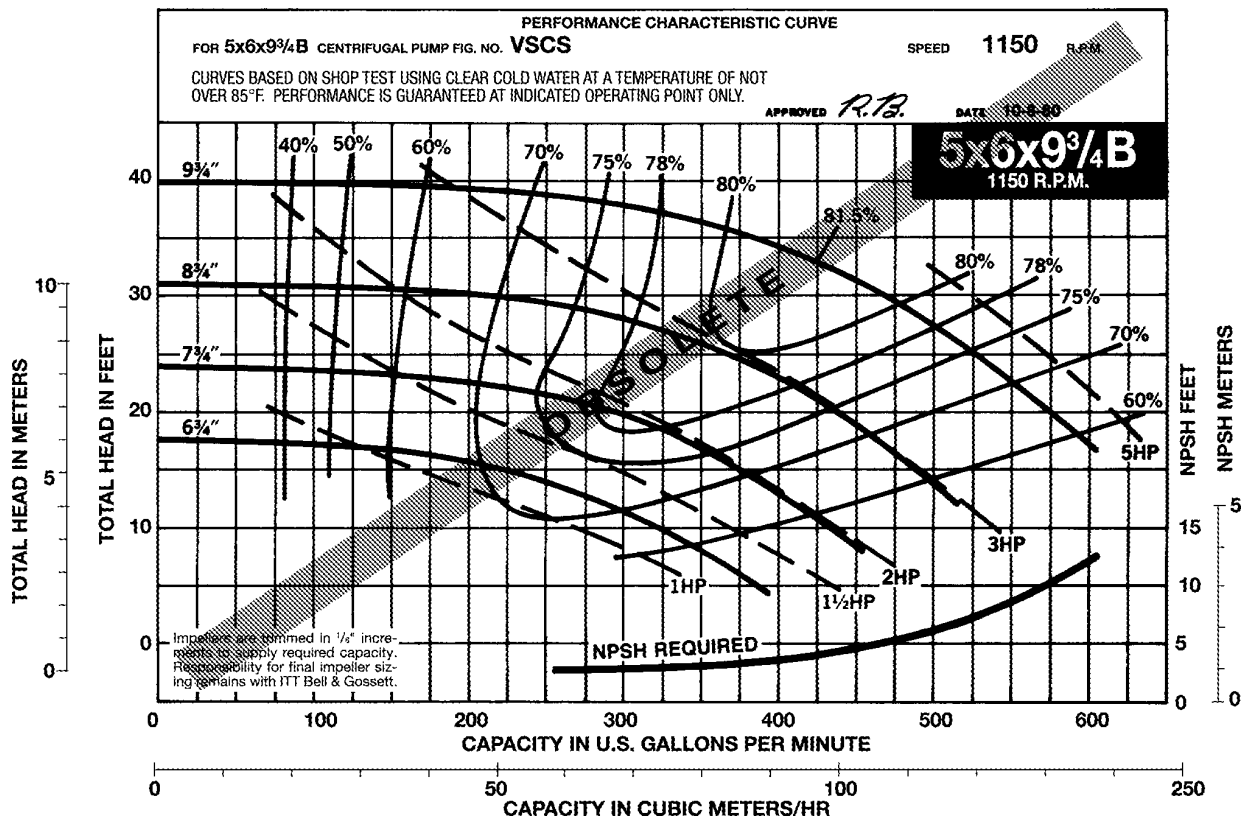
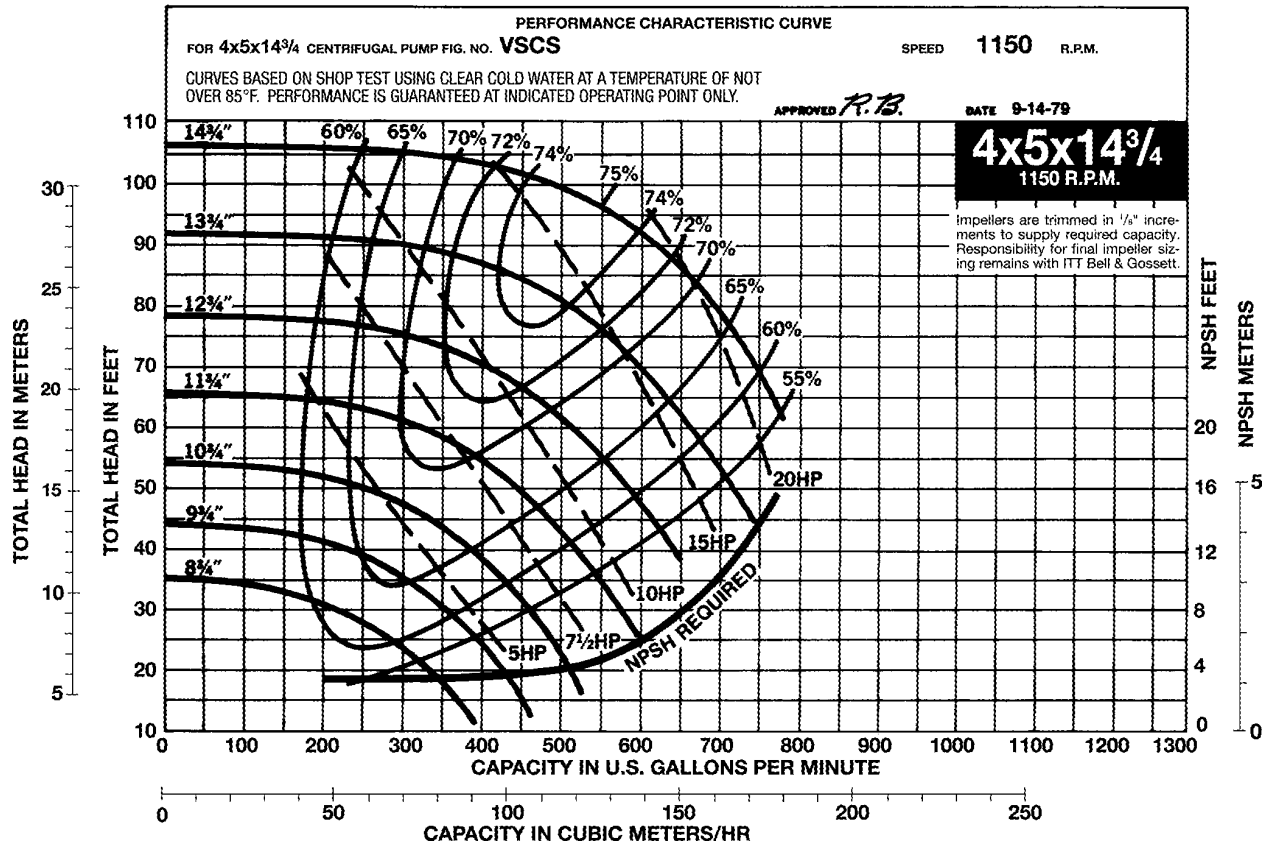


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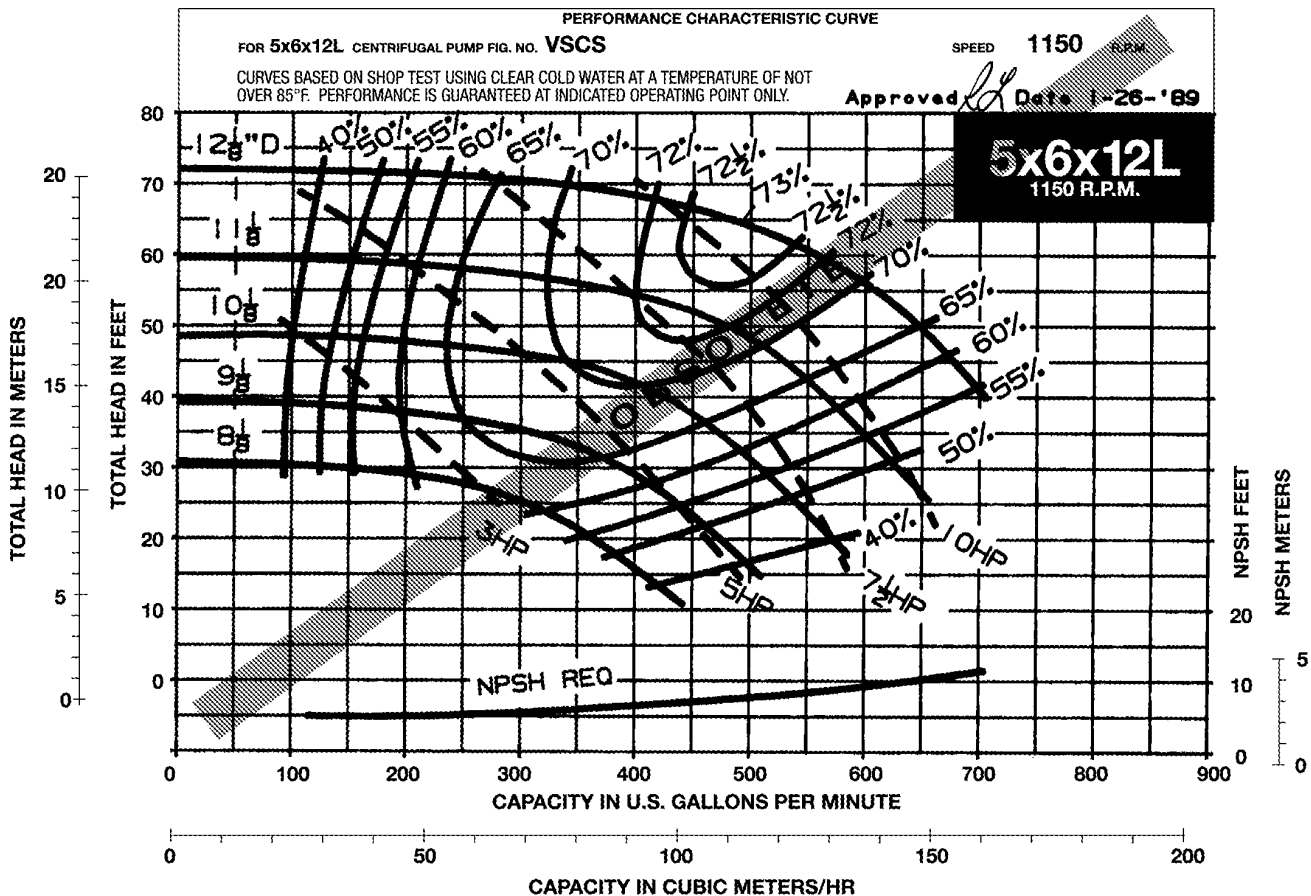
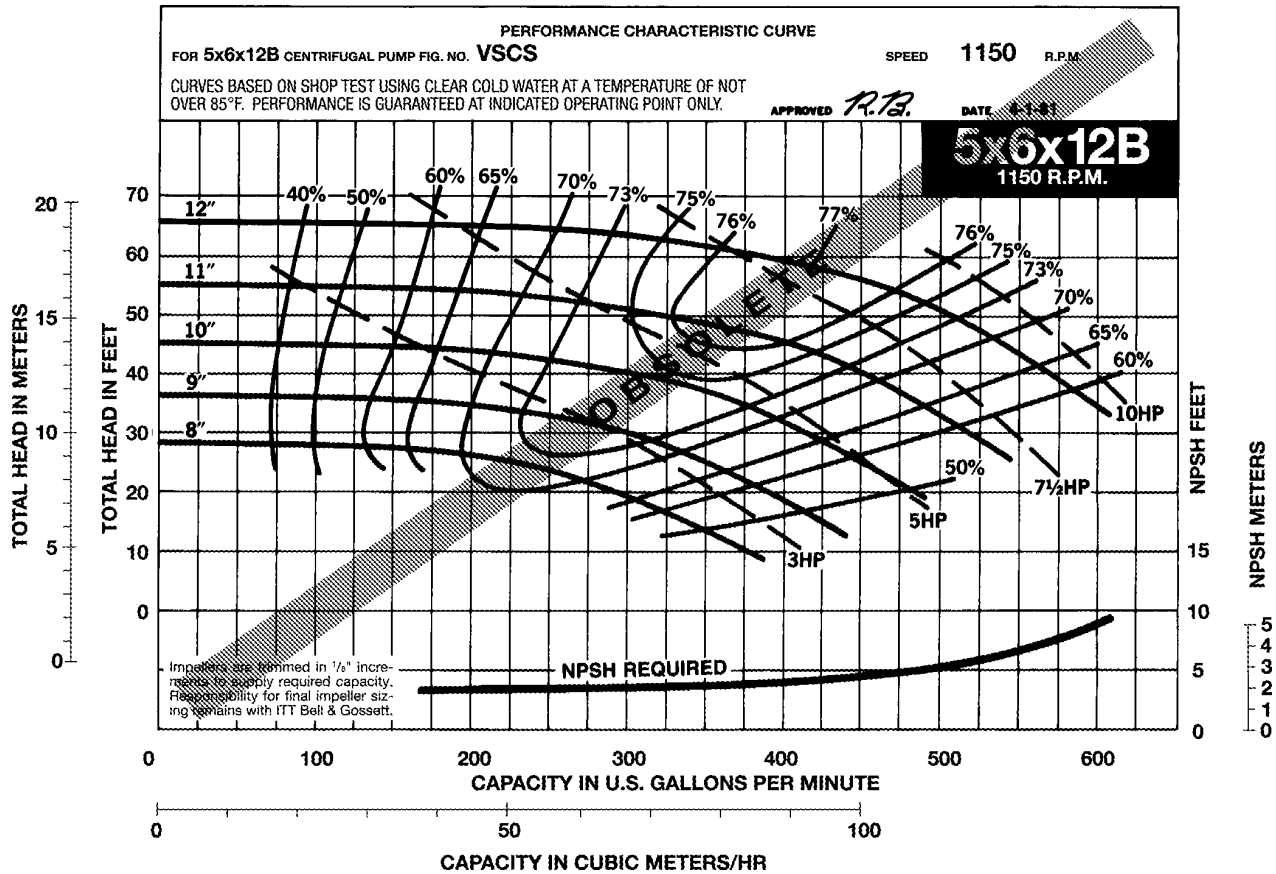
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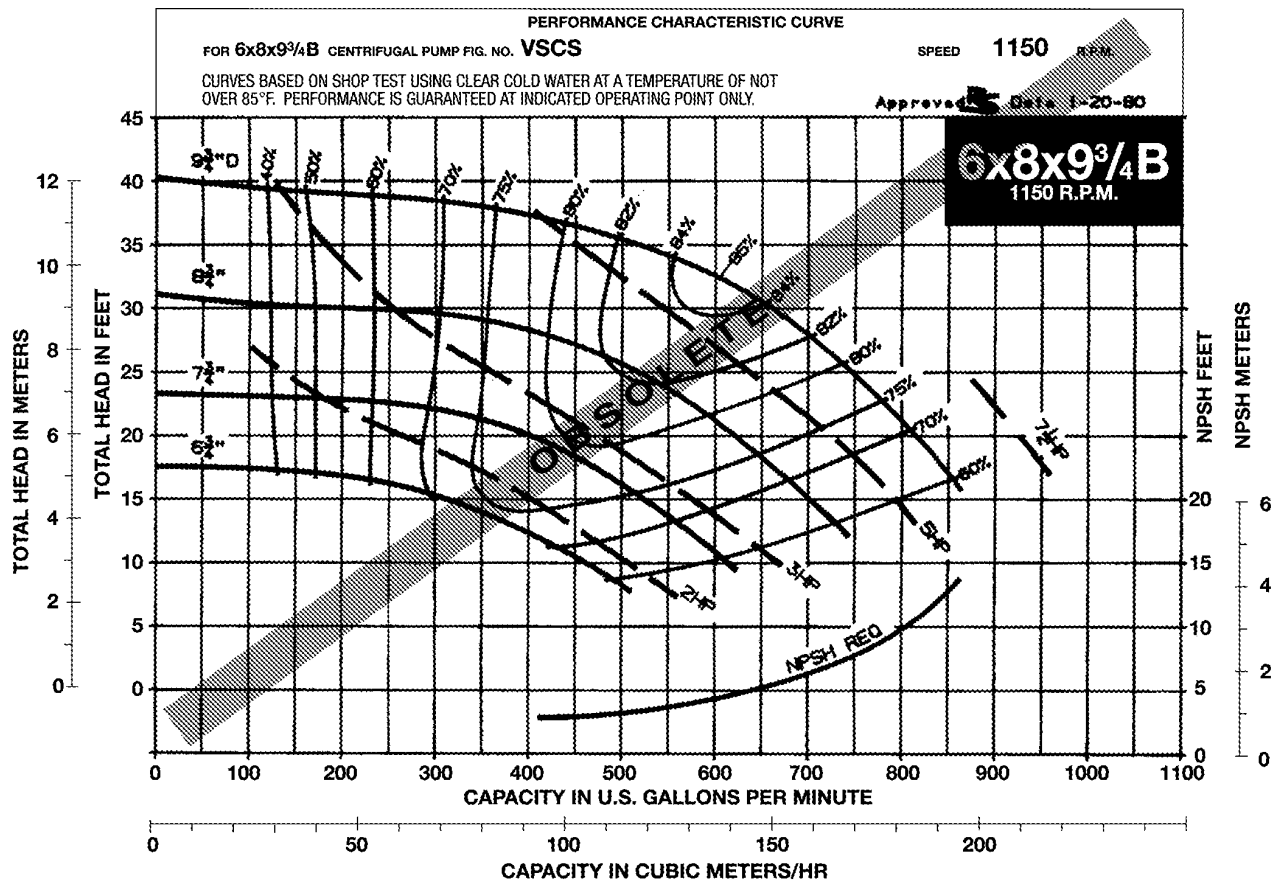
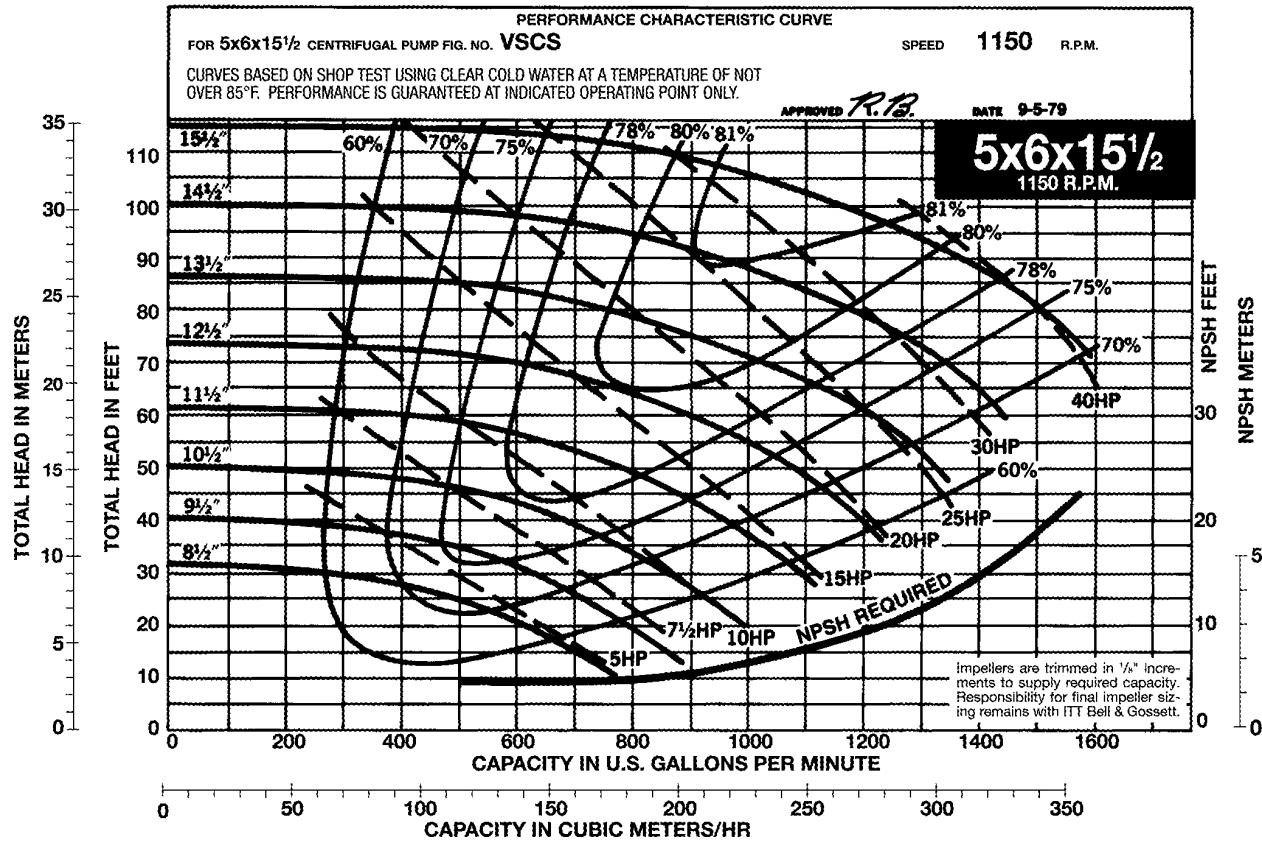
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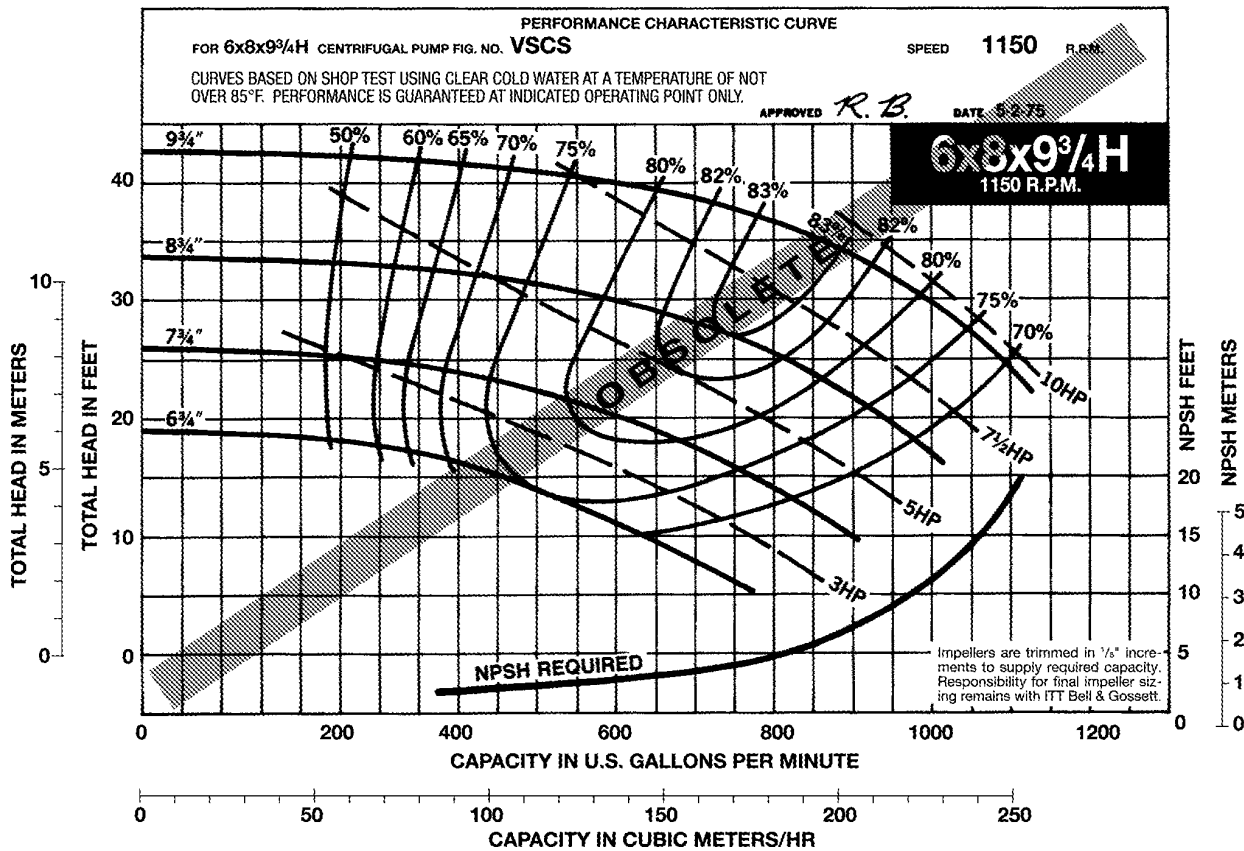
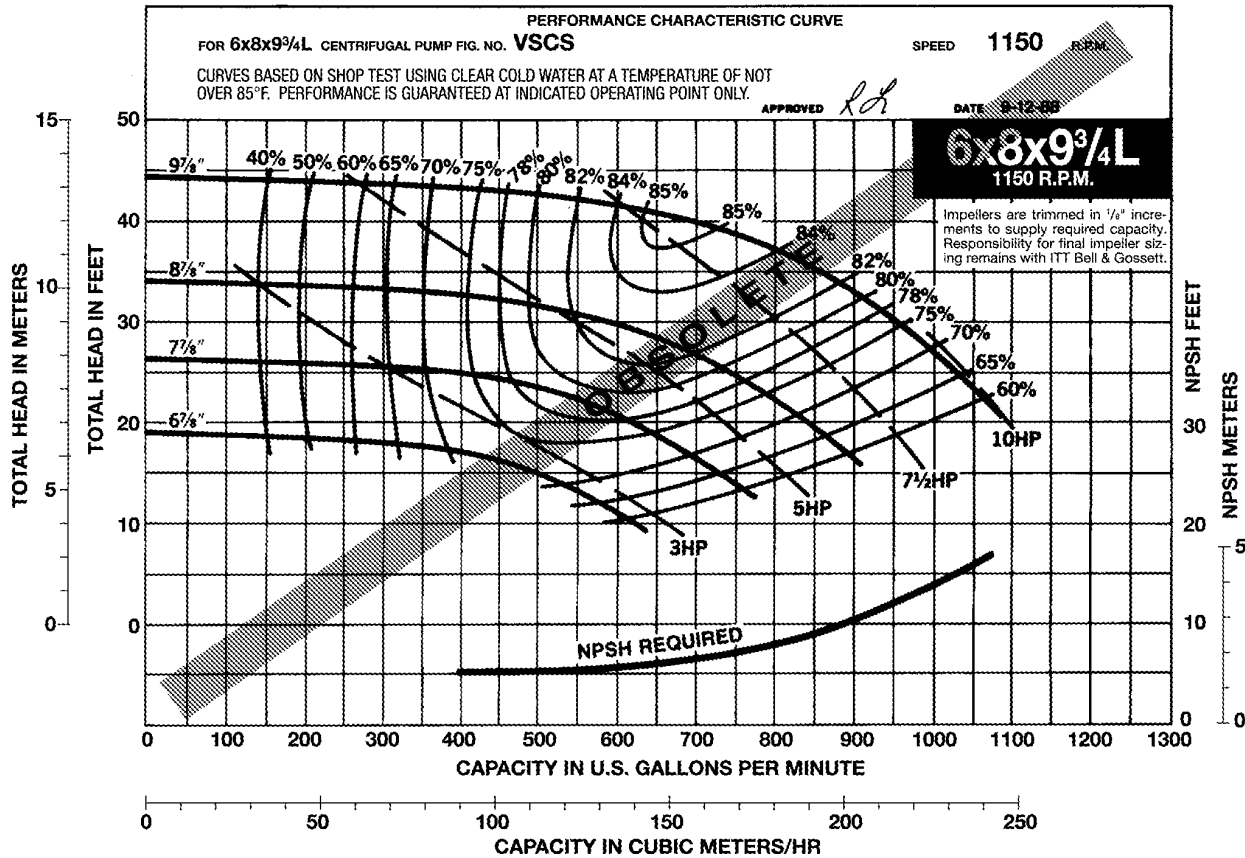
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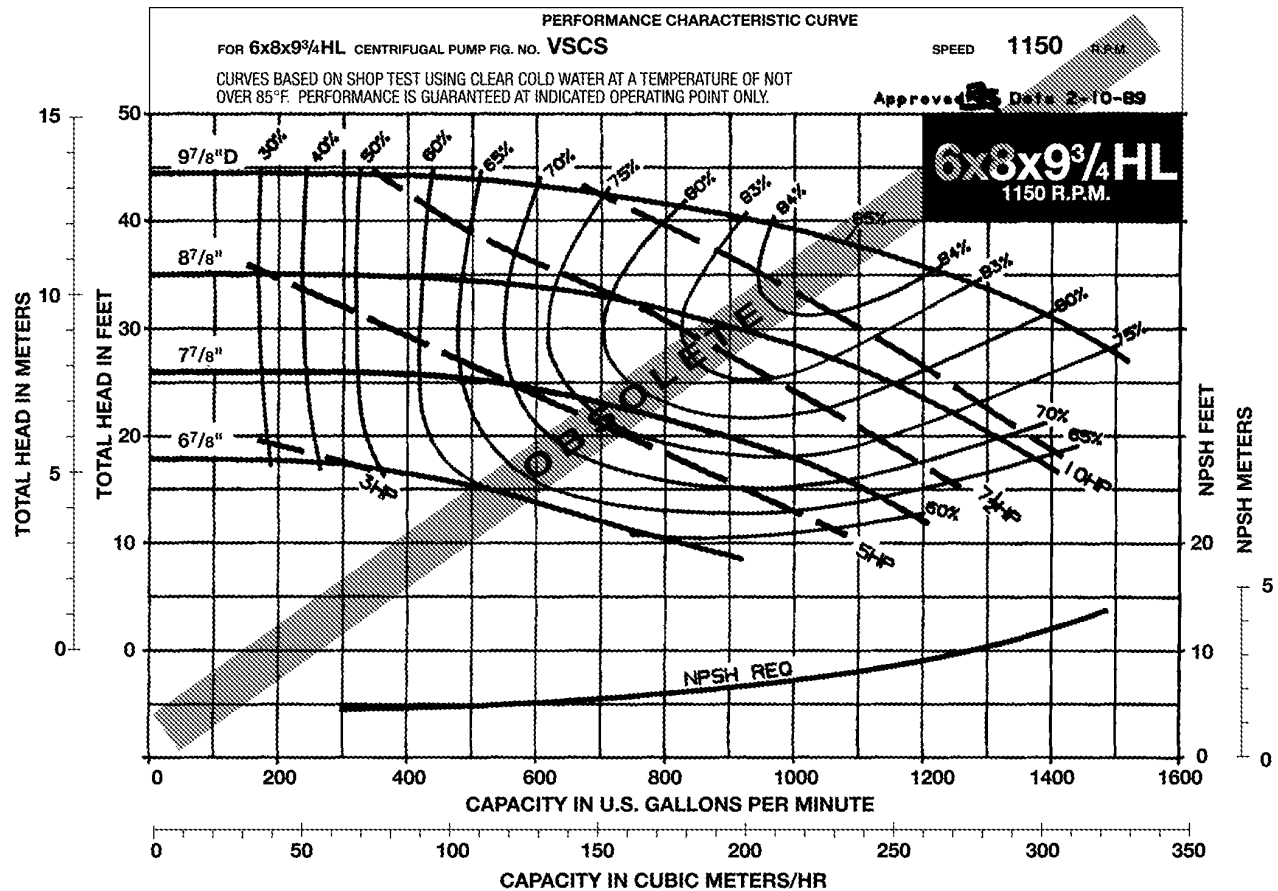
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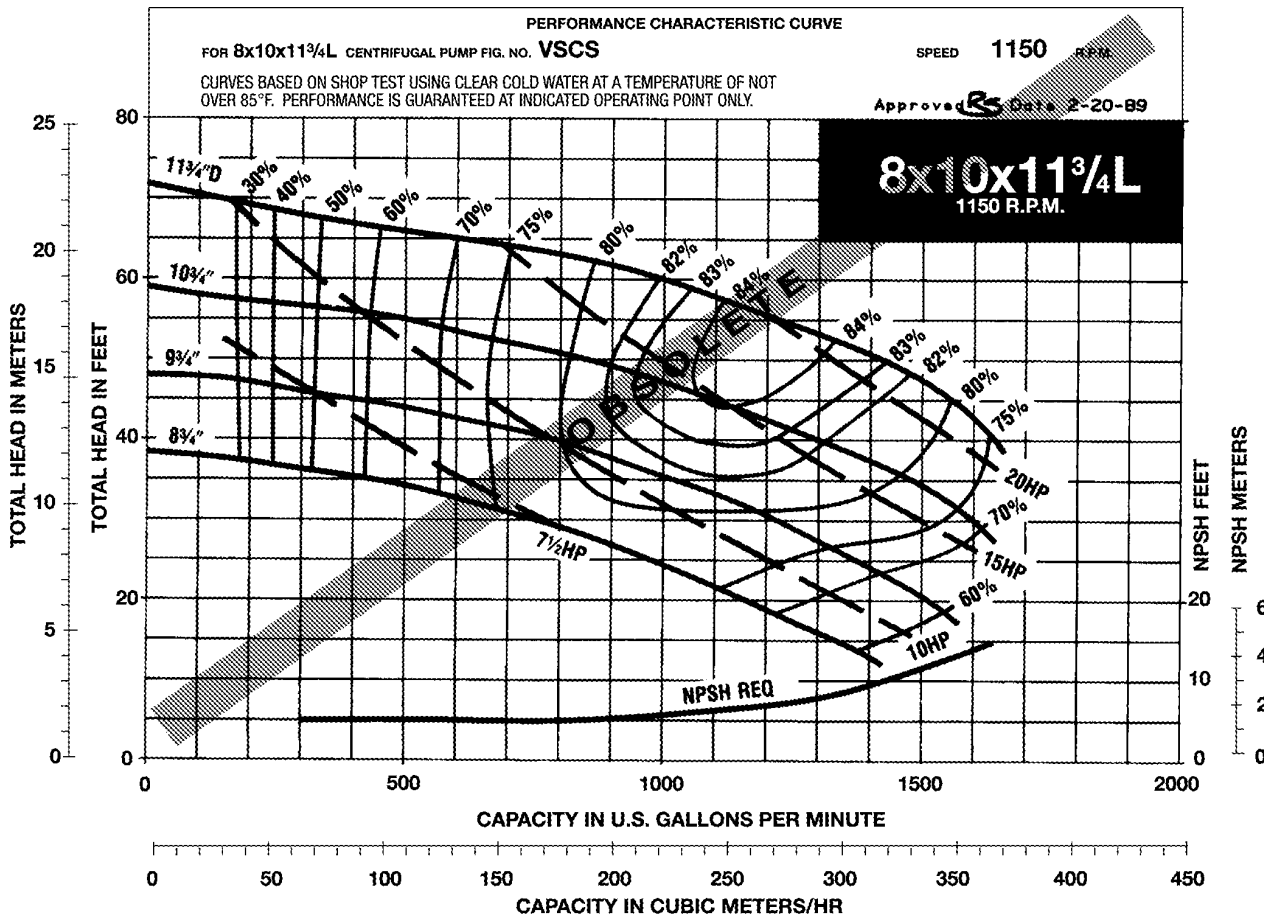
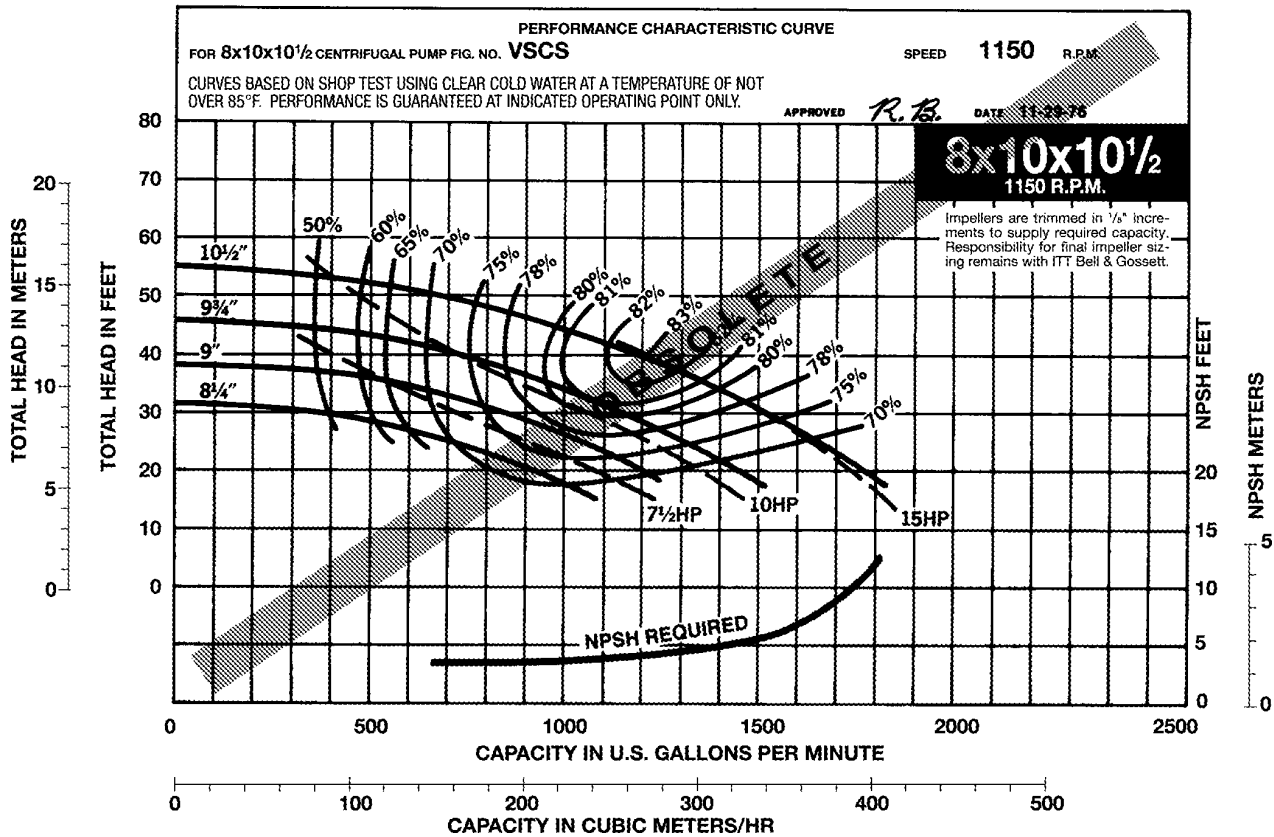


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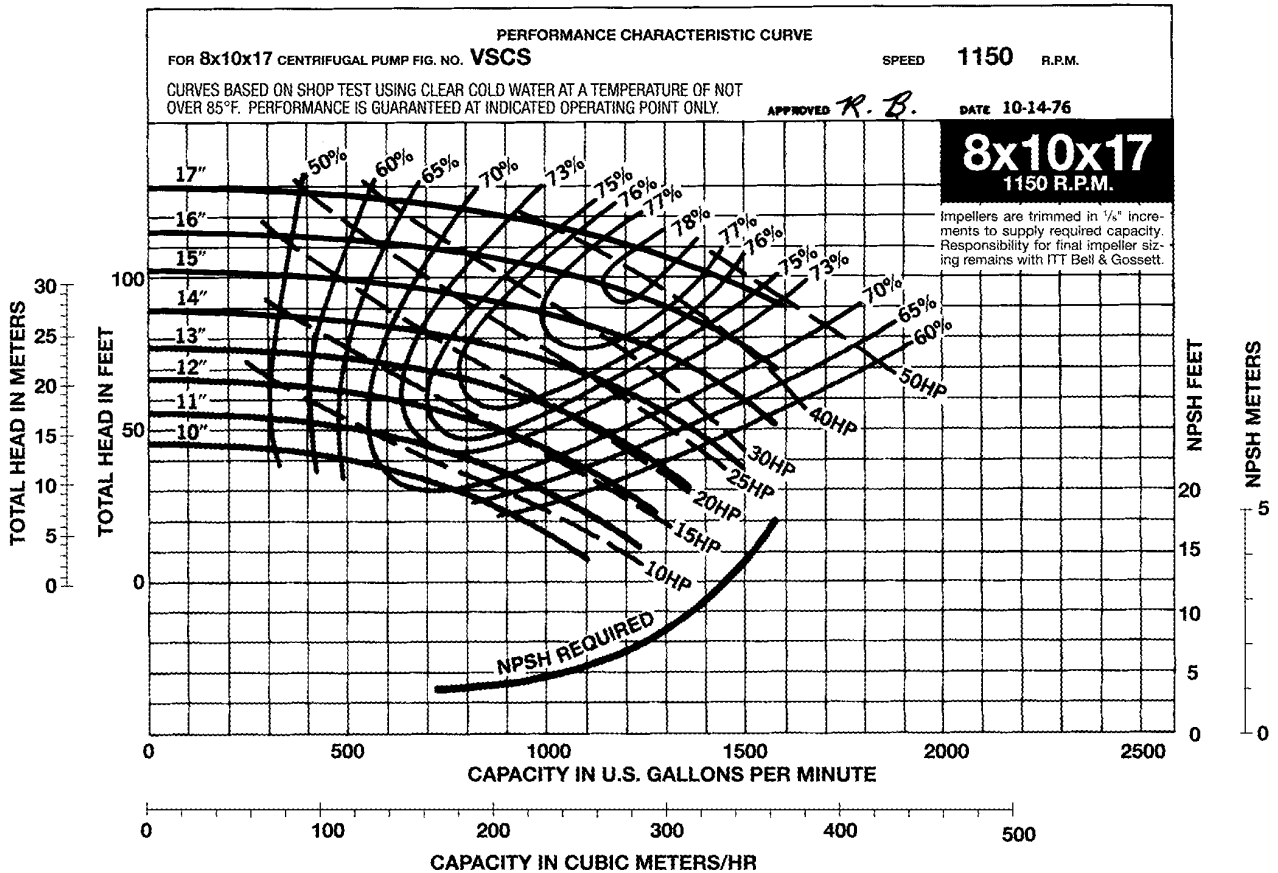
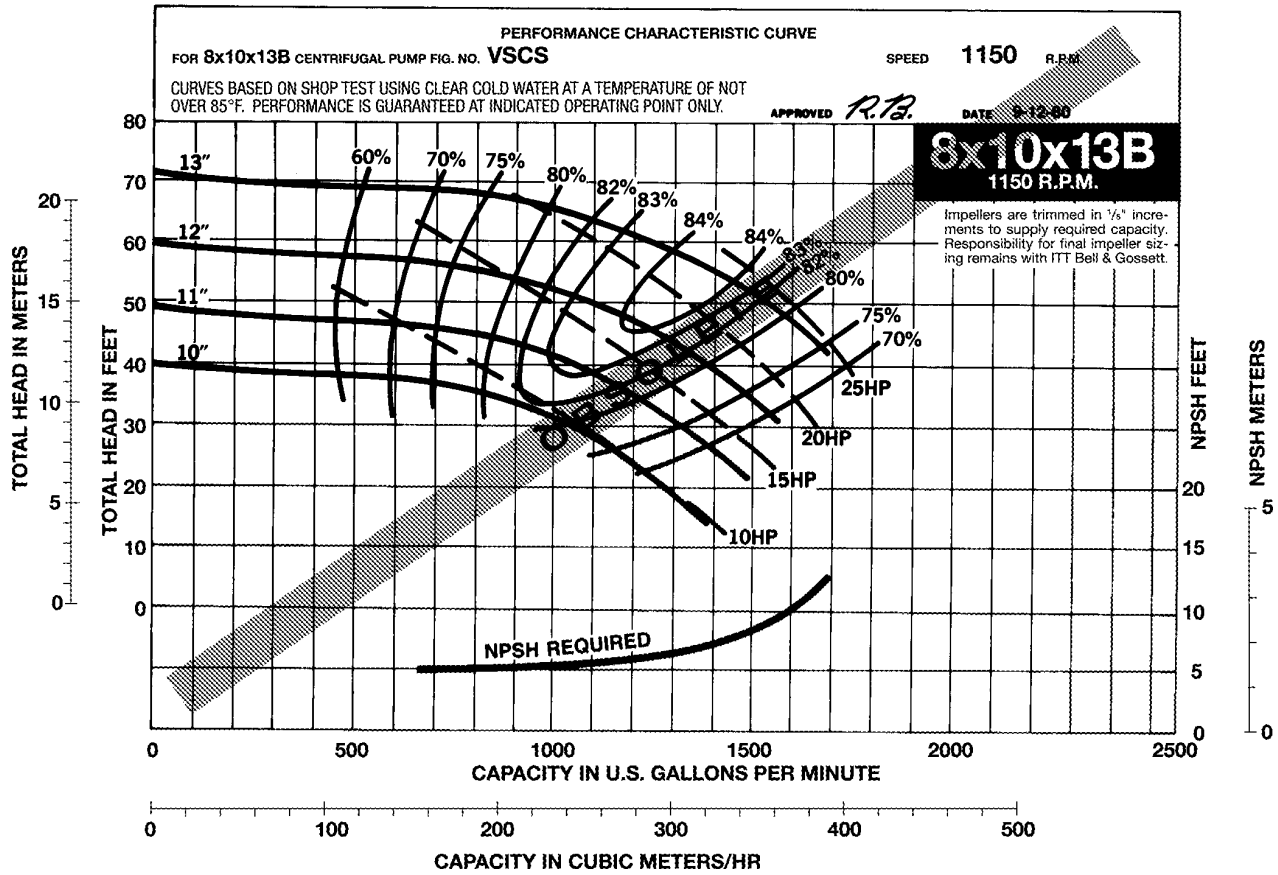
1150 RPM PUMP CURVES

(CURVE CHARTS WITH LINE THROUGH ARE OBSOLETE - SEE VSX CURVE BOOKLET)

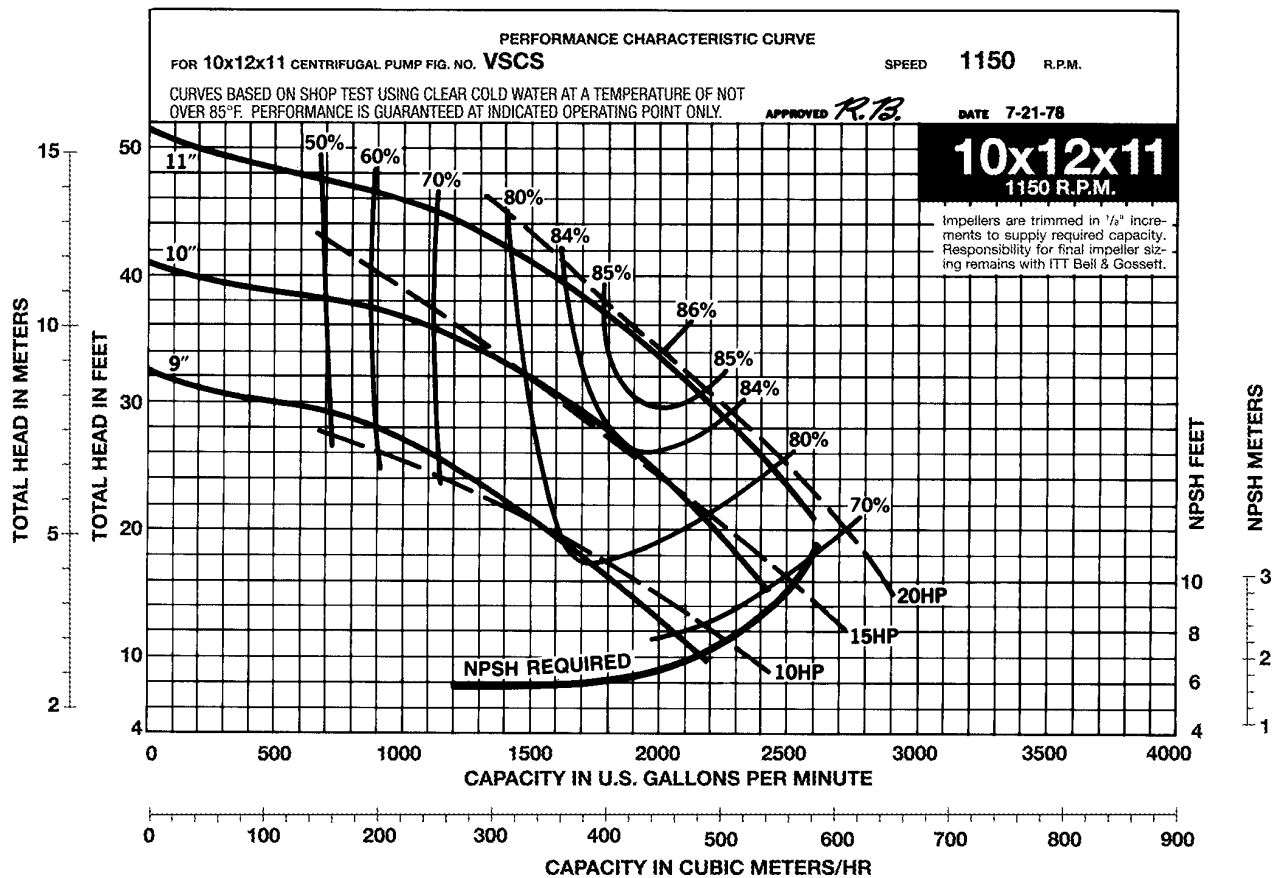
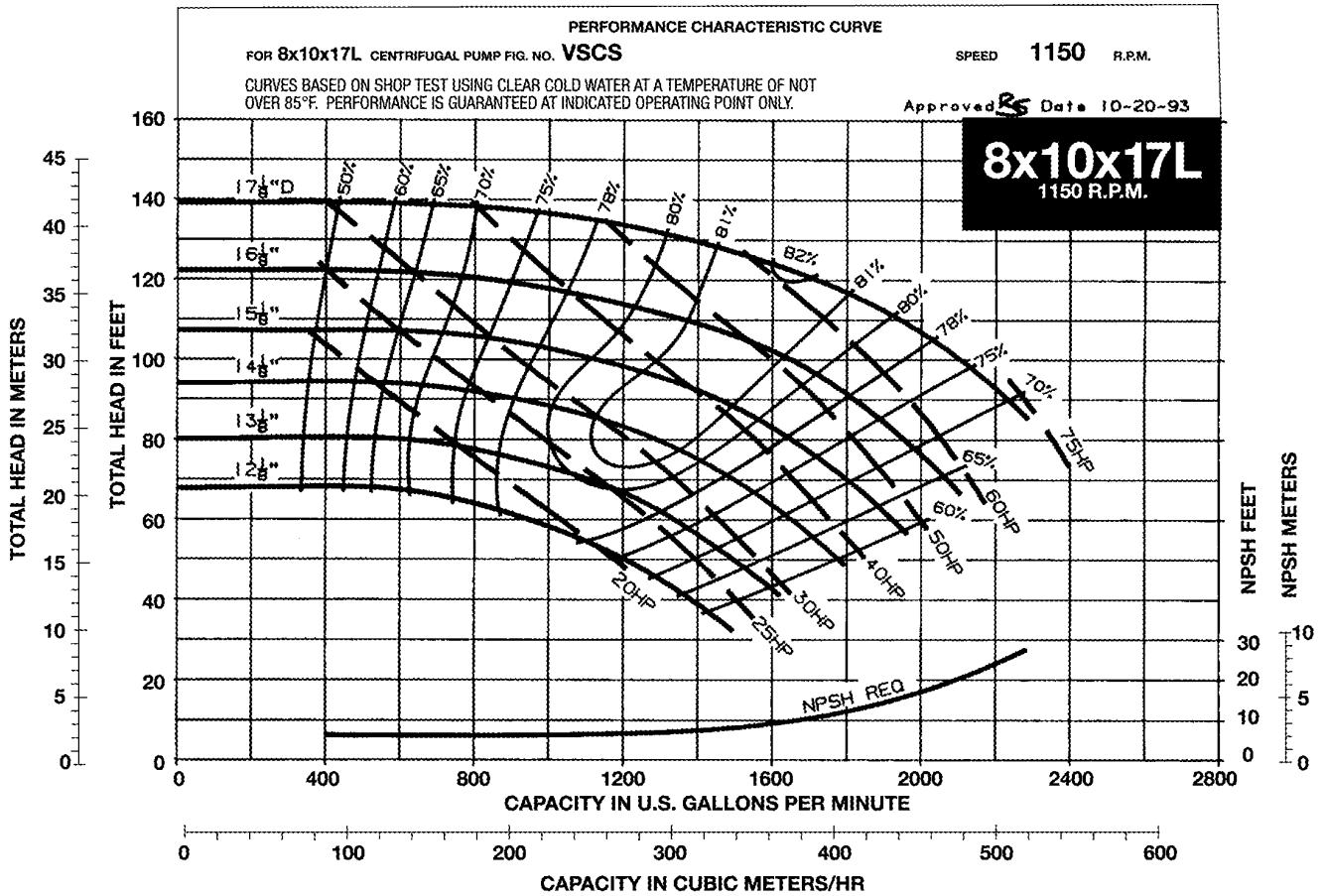


1150 RPM PUMP CURVES

(CURVE CHARTS WITH LINE THROUGH ARE OBSOLETE - SEE VSX CURVE BOOKLET)

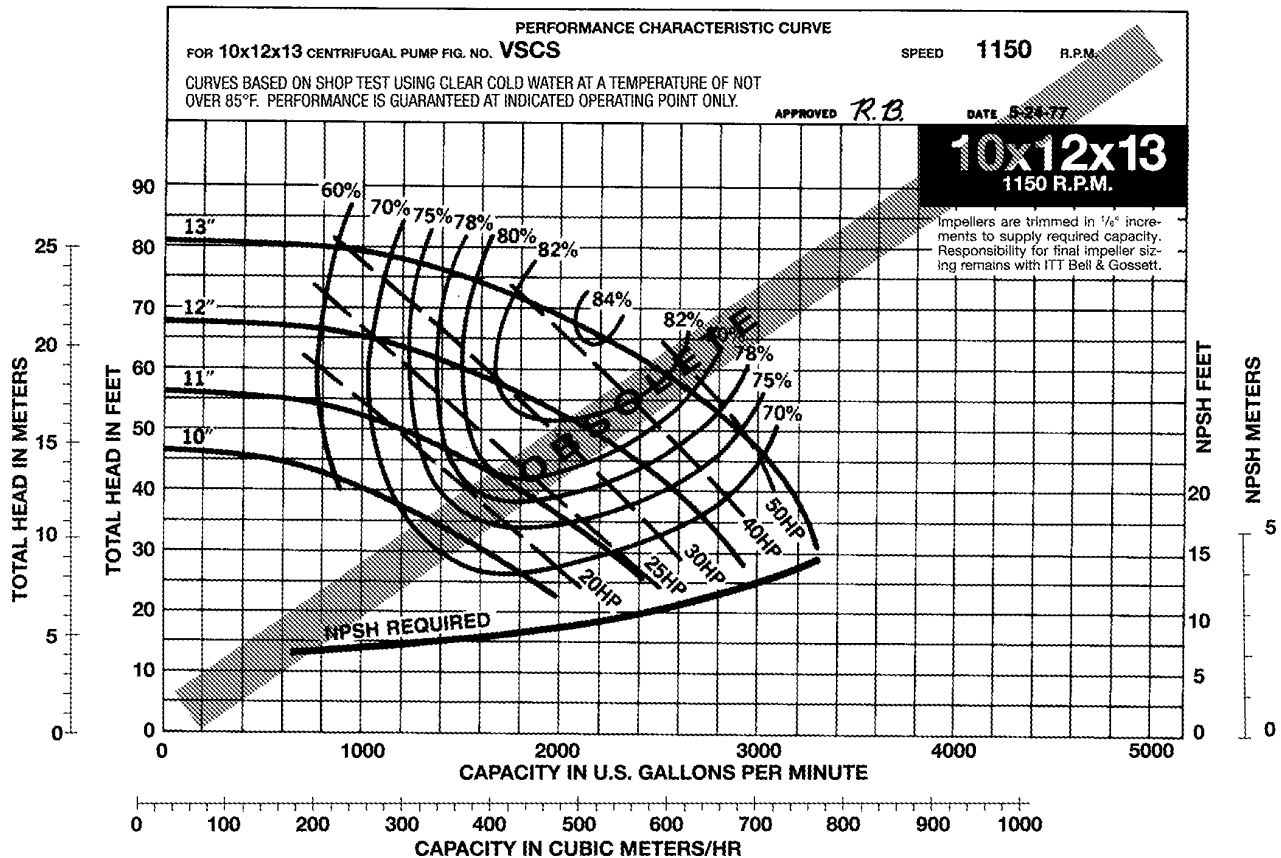
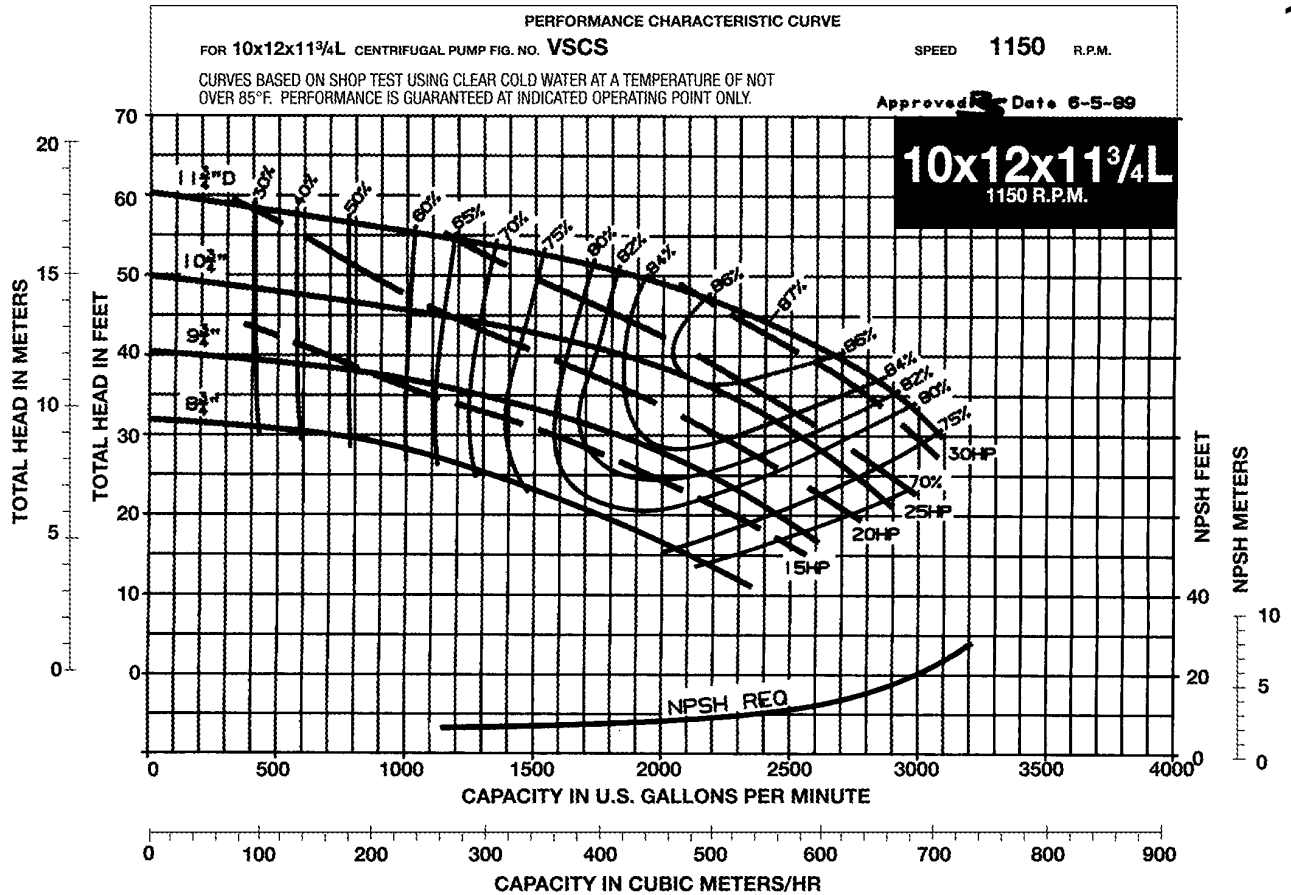


1150 RPM PUMP CURVES

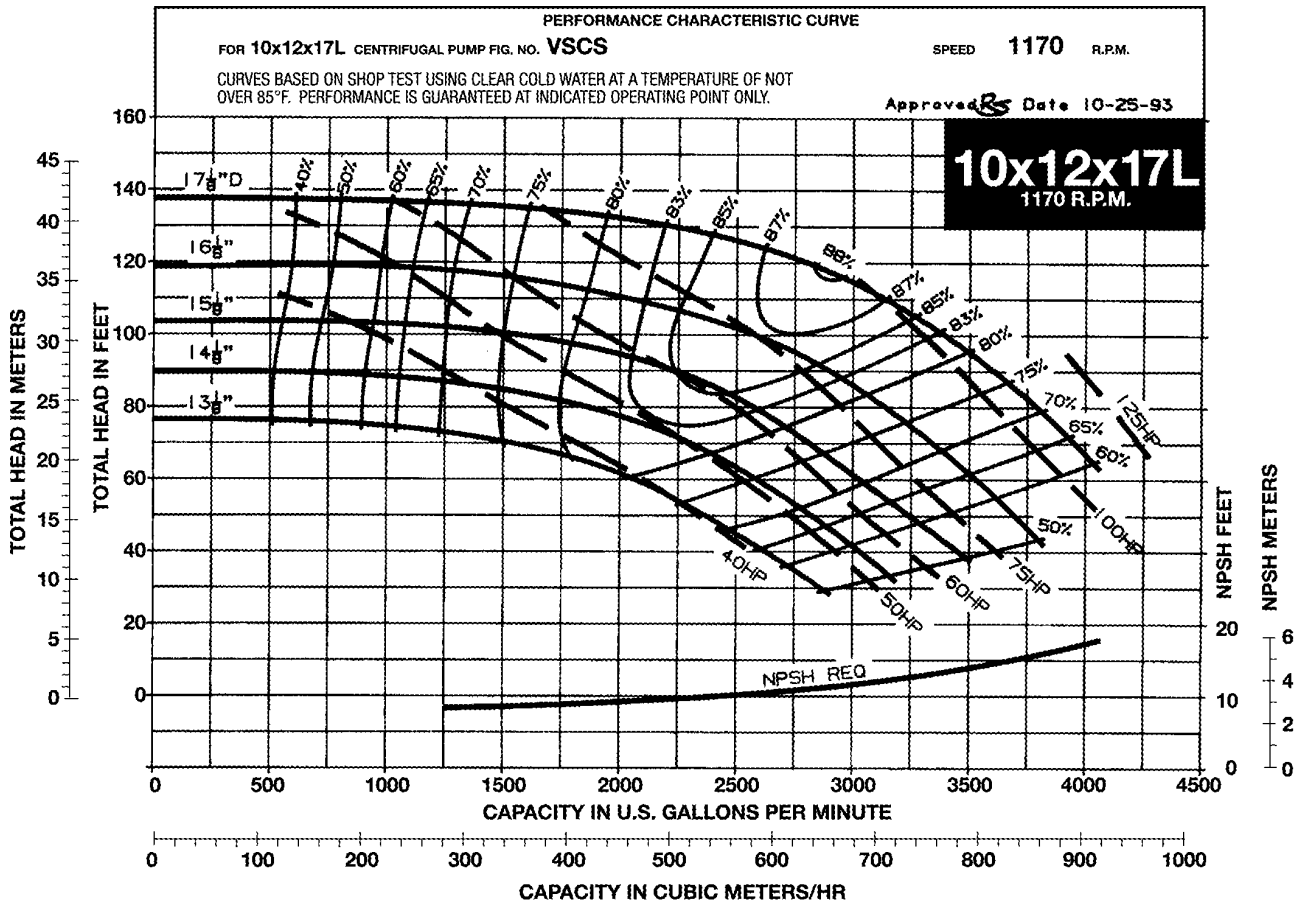
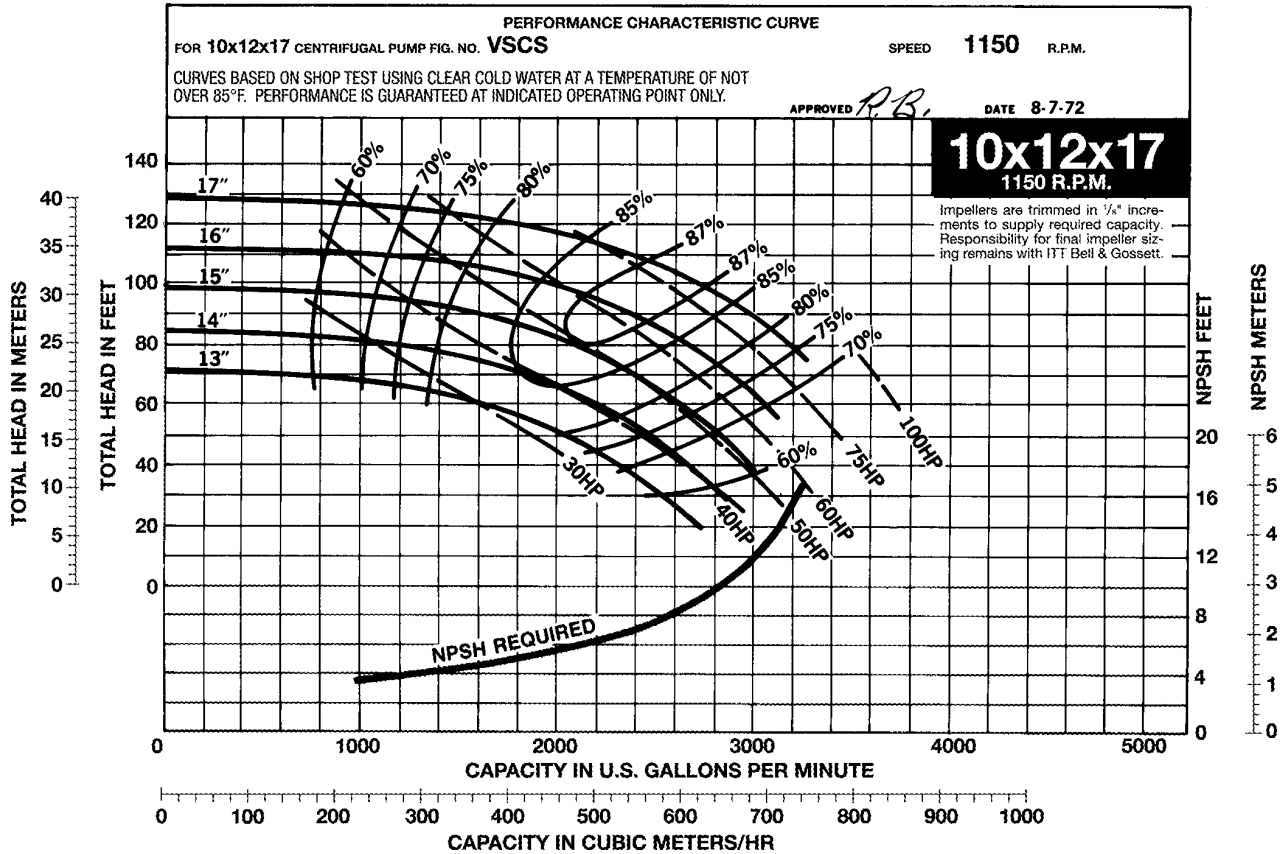


1150 RPM PUMP CURVES

(CURVE CHARTS WITH LINE THROUGH ARE OBSOLETE - SEE VSX CURVE BOOKLET)

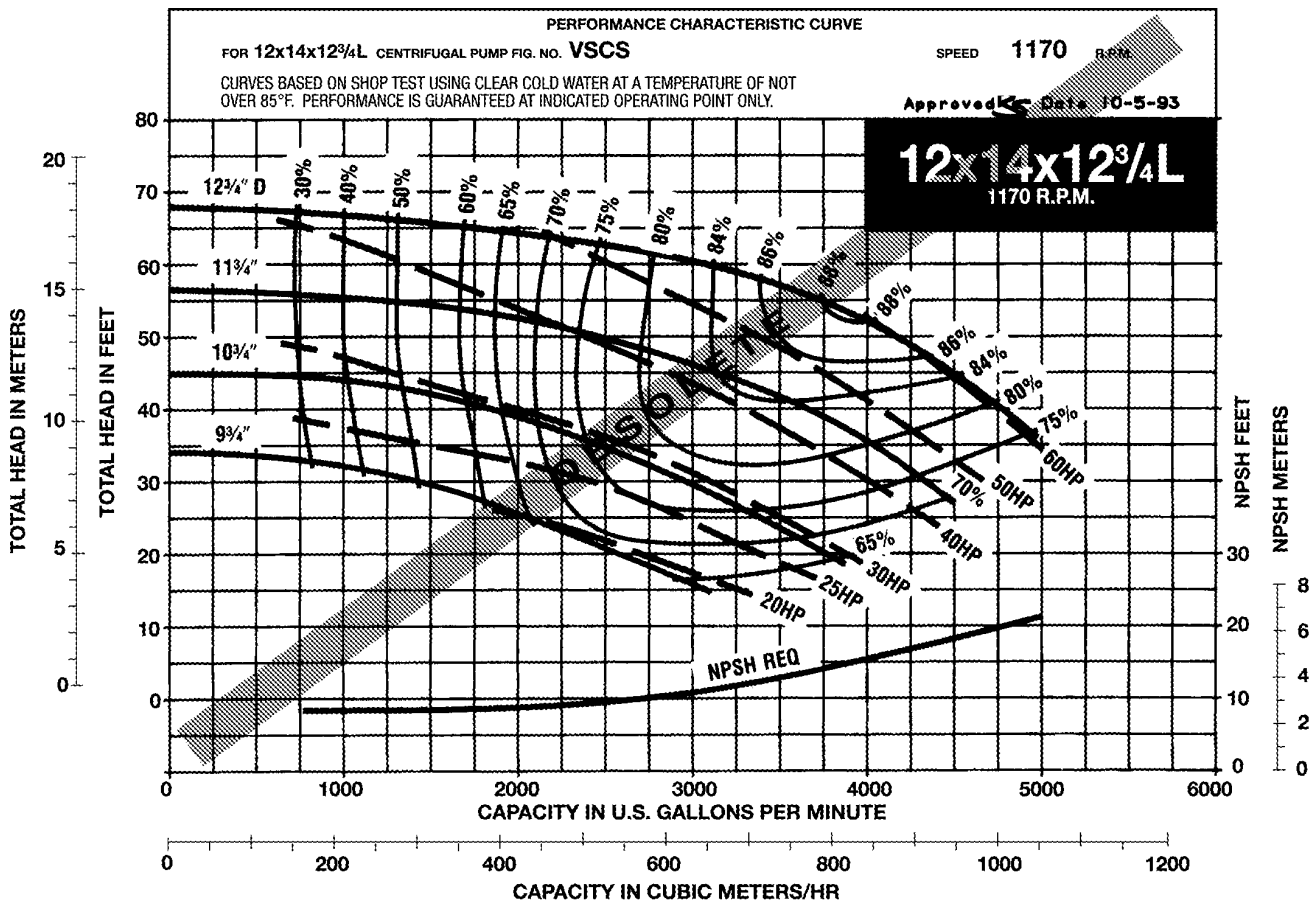
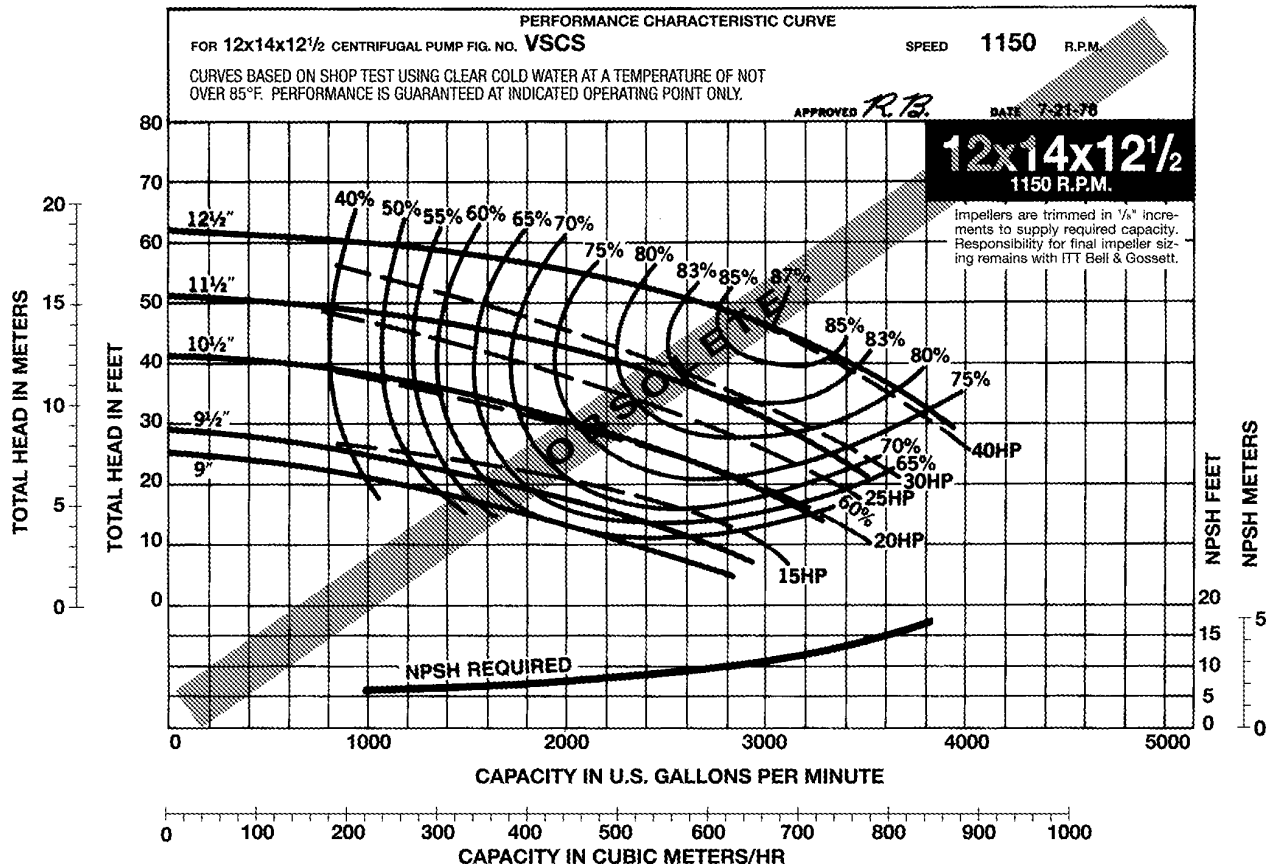


1150 RPM PUMP CURVES

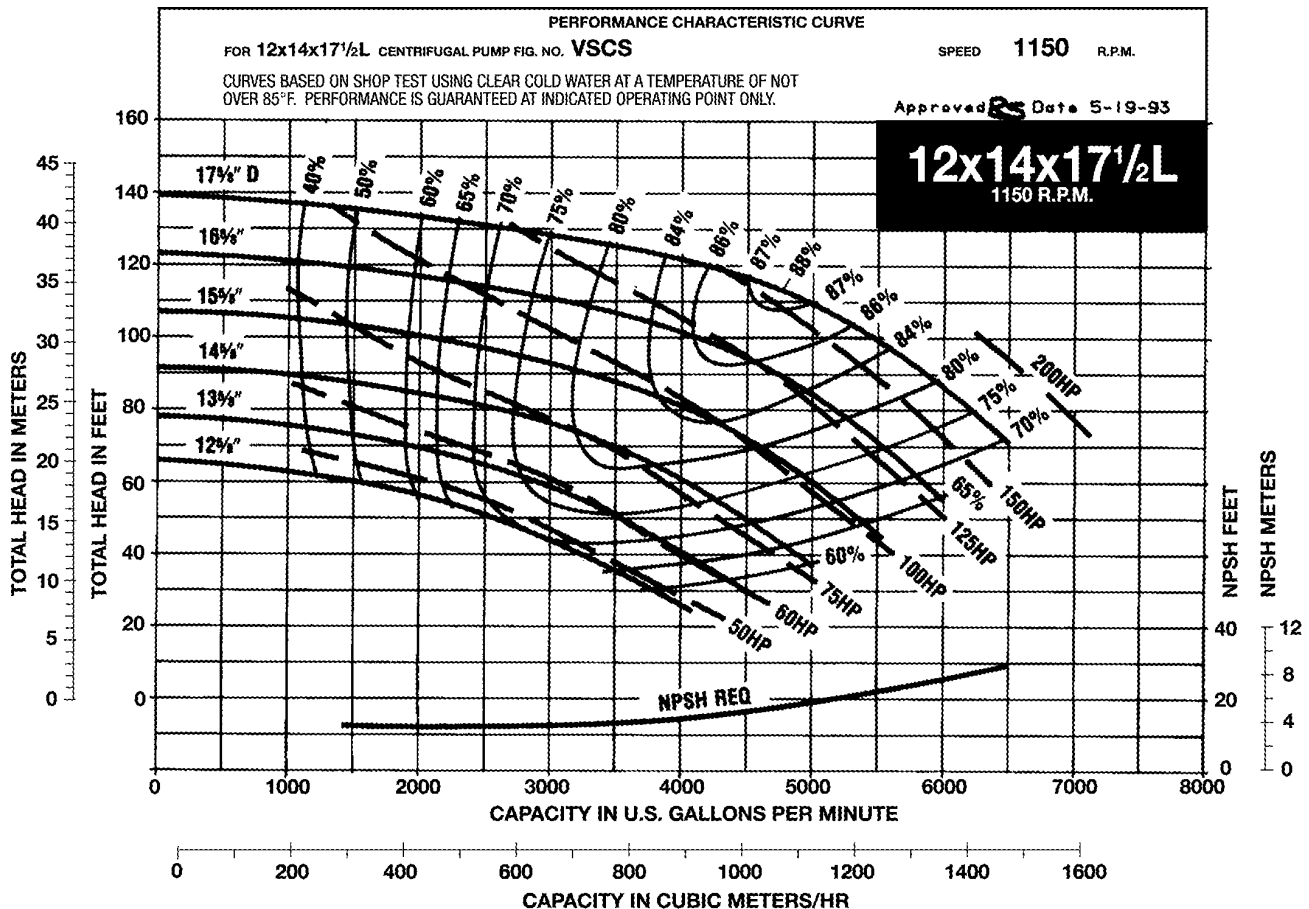
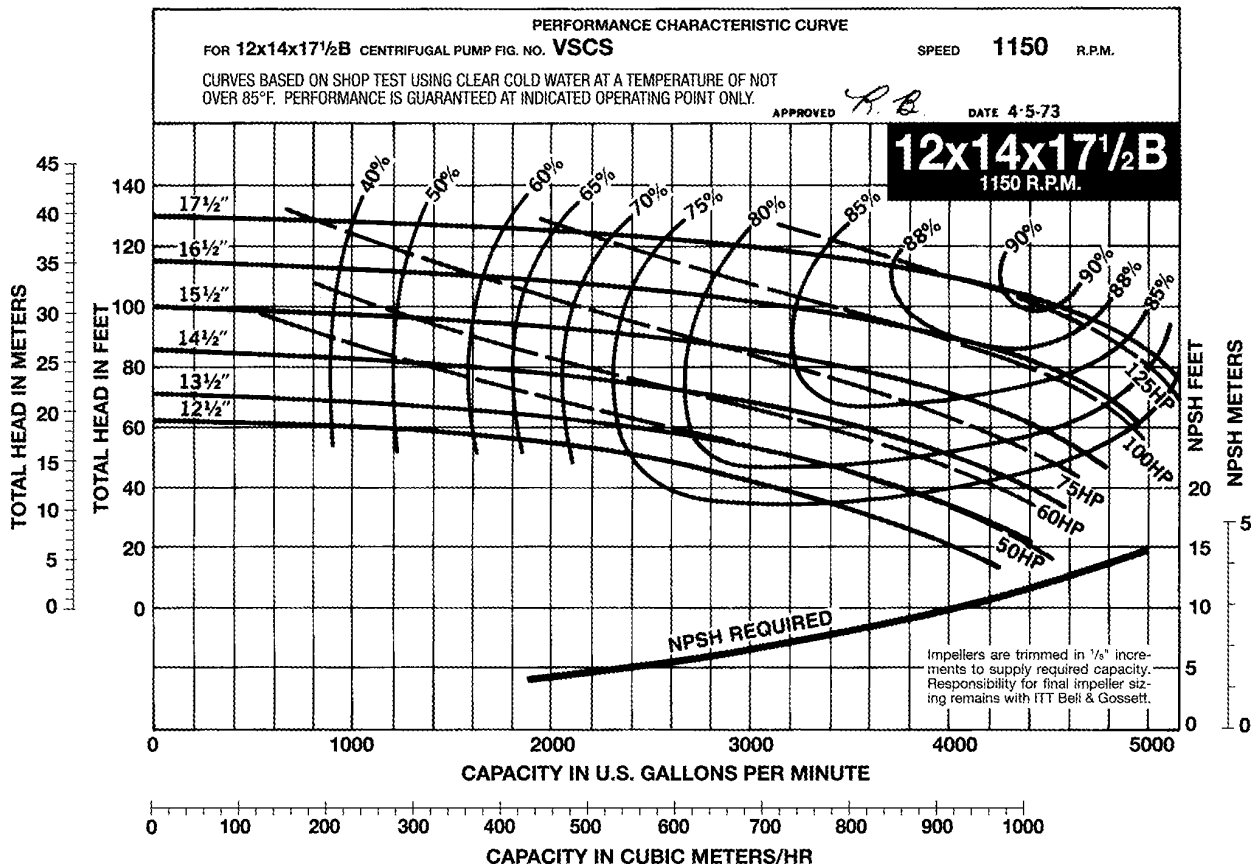


1150 RPM PUMP CURVES

(CURVE CHARTS WITH LINE THROUGH ARE OBSOLETE - SEE VSX CURVE BOOKLET)



1150 RPM PUMP CURVES



Dimensions

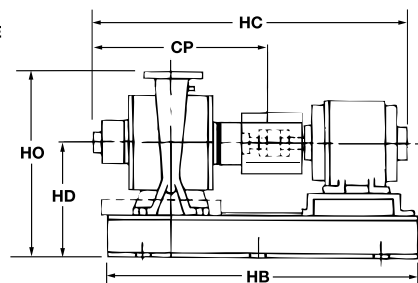
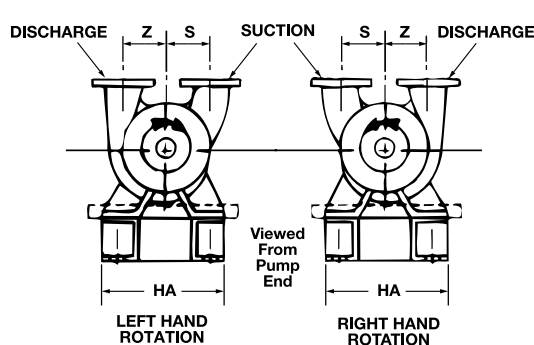
MAXIMUM WORKING PRESSURE: 175 PSI*

Dimensions subject to change without notice. Do not use for construction purposes.

NOTE: Flanges are 125# ANSI Standard.

*300 PSI working pressure with 250 ANSI flanges optionally available with standard mechanical seal if suction pressure is below 160 psig or with -S mechanical seal for higher suction pressures.

Right hand rotation is furnished unless otherwise specified.



PUMP SIZE	MOTOR FRAME	STANDARD MECHANICAL SEAL CONSTRUCTION PUMP MODEL VSC, VSC-F								STUFFING BOX CONSTRUCTION VSC-PF, VSC-S & VSC-D								
		DIMENSIONS IN INCHES (MM)								DIMENSIONS IN INCHES (MM)								
		CP	HA	HB	HC MAX.	HD	HO	S	Z	CP	HA	HB	HC MAX.	HD	HO	S	Z	
4x4x9 1/4L	182T-184T	19(483)	19 1/2(495)	38 1/4(972)	40 1/8(1019)	13 1/4(337)	22 3/4(578)	6(152)	6(152)	25 1/4(641)	19 1/2(495)	19 1/2(495)	38 1/4(972)	46 3/8(1178)	13 1/4(337)	22 3/4(578)	6(152)	6(152)
	213T-215T			43 3/8(1102)	43 3/8(1102)								43 3/8(1102)	49 3/8(1260)				
	254T-256T			43 3/8(1102)	48 1/8(1222)								49 3/8(1260)	54 3/8(1381)				
4x4x9 1/4L 3500 RPM	254T-256T	19(483)	19 1/2(495)	43 3/8(1102)	49 7/8(1267)	13 1/4(337)	22 3/4(578)	6(152)	6(152)	25 1/4(641)	19 1/2(495)	19 1/2(495)	49 3/8(1260)	56 1/8(1426)	13 1/4(337)	22 3/4(578)	6(152)	6(152)
	284TS-286TS			50 3/4(1289)	57(1448)								57(1448)					
	324TS-326TS			54 1/8(1375)	60 3/8(1534)								60 3/8(1534)					
	364TS-365TS			56 3/8(1432)	62 5/8(1591)								62 5/8(1591)					
	404TS			58 3/8(1489)	64 7/8(1648)								64 7/8(1648)					
	444TS			59 1/4(1505)	70 3/4(1797)								70 3/4(1797)					
	444TS			64 1/2(1638)	70 3/4(1797)								70 3/4(1797)					
5x5x9 3/4B	182T-184T	19(483)	19 1/2(495)	38 1/4(972)	40 1/8(1019)	13 1/4(337)	23 3/4(603)	7 1/4(184)	7 1/4(184)	25 1/4(641)	19 1/2(495)	19 1/2(495)	38 1/4(972)	46 3/8(1178)	13 1/4(337)	23 3/4(603)	7 1/4(184)	7 1/4(184)
	213T-215T			43 3/8(1102)	43 3/8(1102)								43 3/8(1102)	49 3/8(1260)				
	254T-256T			43 3/8(1102)	49 3/8(1260)								49 3/8(1260)	56 1/8(1426)				
5x5x9 3/4B 3550 RPM	284TS	19(483)	19 1/2(495)	49 3/8(1260)	49 1/4(1251)	13 1/4(337)	23 3/4(603)	7 1/4(184)	7 1/4(184)	25 1/4(641)	19 1/2(495)	19 1/2(495)	49 3/8(1260)	55 1/2(1410)	13 1/4(337)	23 3/4(603)	7 1/4(184)	7 1/4(184)
	286TS				50 3/4(1289)								57(1448)	57(1448)				
	324TS				52 5/8(1337)								58 1/8(1495)	58 1/8(1495)				
	326TS				54 1/8(1375)								60 3/8(1534)	60 3/8(1534)				
	364TS				55 3/4(1416)								62 1/2(1575)	62 1/2(1575)				
	365TS				56 3/8(1432)								62 5/8(1591)	62 5/8(1591)				
	404TS-405TS				58 3/8(1489)								64 7/8(1648)	64 7/8(1648)				
444TS	59 1/4(1505)	64 1/2(1638)	70 3/4(1797)	70 3/4(1797)														
5x5x12B 5x5x12L	213T-215T	19(483)	19 1/2(495)	38 1/4(972)	43 3/8(1102)	13 1/4(337)	24 3/4(629)	8(203)	8(203)	25 1/4(641)	19 1/2(495)	19 1/2(495)	43 3/8(1102)	49 3/8(1260)	13 1/4(337)	24 3/4(629)	8(203)	8(203)
	254T-256T			43 3/8(1102)	49 7/8(1267)								49 3/8(1260)	56 1/8(1426)				
	284T-286T			49 3/8(1260)	52 1/2(1324)								58 3/8(1483)	58 3/8(1483)				
	324T-326T			55 3/8(1413)	61 1/8(1572)								61 1/8(1572)					
6x6x9 3/4B 6x6x9 3/4B	213T-215T	22 3/4(578)	26(660)	53 3/4(1365)	48 1/8(1222)	15 1/2(394)	27(686)	8(203)	8(203)	30 3/8(772)	26(660)	26(660)	55 3/4(1416)	61 1/8(1556)	15 1/2(394)	27(686)	8(203)	8(203)
	254T-256T				53 3/8(1362)								55 7/8(1419)	59 1/4(1505)				
	284T-286T				55 7/8(1419)								59 1/4(1505)	63 1/2(1613)				
6x6x9 3/4B 3550 RPM	324T	22 3/4(578)	26(660)	53 3/4(1365)	58(1473)	15 1/2(394)	27(686)	8(203)	8(203)	30 3/8(772)	26(660)	26(660)	59 1/4(1505)	65 3/8(1667)	15 1/2(394)	27(686)	8(203)	8(203)
	286TS				54 1/2(1384)								53 3/4(1365)	62 1/8(1578)				
	324TS				56 3/8(1432)								64(1626)	64(1626)				
	326TS				57 7/8(1470)								65 1/2(1664)	65 1/2(1664)				
	364TS				59 1/2(1511)								67 1/8(1705)	67 1/8(1705)				
	365TS				60 1/8(1527)								67 3/4(1721)	67 3/4(1721)				
	404TS				62 3/8(1584)								70(1778)	70(1778)				
405TS	63 7/8(1622)	71 1/2(1816)	71 1/2(1816)															
444TS	68 1/4(1734)	71(1803)	75 1/8(1927)	75 1/8(1927)														
6x8x9 3/4H 6x8x9 3/4HL	213T-215T	21 3/4(552)	26(660)	53 7/8(1368)	47 1/8(1197)	15 1/2(394)	28(711)	8 1/4(210)	8 1/4(210)	28 1/2(729)	26(660)	26(660)	53 7/8(1368)	54 1/8(1375)	15 1/2(394)	28(711)	8 1/4(210)	8 1/4(210)
	254T-256T				52 5/8(1337)								59 3/8(1514)	59 3/8(1514)				
	284T-286T				54 7/8(1394)								61 3/4(1568)	61 3/4(1568)				
	324T-326T				58 3/8(1483)								65 3/8(1661)	65 3/8(1661)				
6x6x12L	215T	22 3/4(578)	26(660)	53 7/8(1368)	48 1/8(1222)	15 1/2(394)	28(711)	8 3/4(222)	8 3/4(222)	30 3/8(772)	26(660)	26(660)	53 7/8(1368)	55 3/4(1416)	15 1/2(394)	28(711)	8 3/4(222)	8 3/4(222)
	254T-256T				49 3/8(1260)								61 1/8(1556)	61 1/8(1556)				
	284T-286T				55 7/8(1419)								63 3/4(1613)	63 3/4(1613)				
	324T-326T				59 3/8(1508)								67(1702)	67(1702)				
	364TS				59 1/2(1511)								67 1/8(1705)	67 1/8(1705)				
	364TS				59 1/2(1511)								67 1/8(1705)	67 1/8(1705)				
8x8x10 1/2 8x8x11 3/4L	254T-256T	23 1/2(608)	26(660)	53 7/8(1368)	54 7/8(1394)	15 1/2(394)	29 1/2(749)	8 1/2(216)	8 1/2(216)	31 3/8(802)	26(660)	26(660)	53 7/8(1368)	62 1/2(1588)	15 1/2(394)	29 1/2(749)	8 1/2(216)	8 1/2(216)
	284T-286T				57(1448)								59 1/4(1505)	59 1/4(1505)				
	324T-326T				60 3/8(1540)								68 1/8(1734)	68 1/8(1734)				
	364TS-365TS				61 1/4(1556)								68 7/8(1749)	68 7/8(1749)				
8x8x13B	256T	23 1/2(608)	26(660)	53 3/4(1368)	54 7/8(1394)	17(432)	31(787)	9 1/2(241)	9 1/2(241)	31 3/8(802)	26(660)	26(660)	53 3/4(1365)	62 1/2(1588)	17(432)	31(787)	9 1/2(241)	9 1/2(241)
	284T-286T				57(1448)								59 1/4(1505)	59 1/4(1505)				
	324T-326T				60 3/8(1540)								68 1/8(1734)	68 1/8(1734)				
	364TS-365TS				61 3/8(1559)								69(1753)	69(1753)				
	404TS				63 3/8(1616)								71 1/4(1810)	71 1/4(1810)				
10x10x13 10x10x13L	286T	27 3/8(695)	32(813)	71(1803)	60 1/2(1537)	20(508)	37(940)	11(279)	11(279)	35 3/8(905)	32(813)	32(813)	71(1803)	68 3/4(1746)	20(508)	37(940)	11(279)	11(279)
	324T-326T				64(1626)								72 1/4(1835)	72 1/4(1835)				
	364T-365T				64 3/4(1645)								75 1/4(1908)	75 1/4(1908)				
	364TS-365TS				68 1/2(1740)								73(1854)	73(1854)				
	404TS-405TS				74 7/8(1902)								76 3/4(1949)	76 3/4(1949)				
	444TS-445TS				66 7/8(1699)								83 3/8(2111)	83 3/8(2111)				

Dimensions

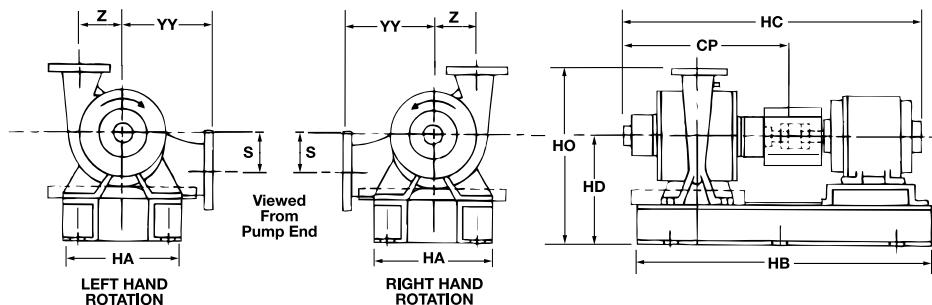
MAXIMUM WORKING PRESSURE: 175 PSI*

NOTE: Flanges are 125# ANSI Standard.

*300 PSI working pressure with 250 ANSI flanges optionally available with standard mechanical seal if suction pressure is below 160 psig or with -S mechanical seal for higher suction pressures.

Right hand rotation is furnished unless otherwise specified.

Dimensions subject to change without notice. Do not use for construction purposes.



PUMP SIZE	MOTOR FRAME	STANDARD MECHANICAL SEAL CONSTRUCTION PUMP MODEL VSCS, VSCS-F									STUFFING BOX CONSTRUCTION VSCS-PF, VSCS-S & VSCS-D								
		DIMENSIONS IN INCHES (MM)									DIMENSIONS IN INCHES (MM)								
		CP	HA	HB	HC MAX.	HD	HO	S	YY	Z	CP	HA	HB	HC MAX	HD	HO	S	YY	Z
4x5x14 ¹ / ₄	254T-256T	22 ³ / ₄ (578)	26(660)	53 ³ / ₄ (1365)	55 ⁵ / ₈ (1413)	17(432)	30(762)	6(152)	15(381)	9(229)	30 ³ / ₈ (772)	26(660)	53 ³ / ₄ (1365)	61 ¹ / ₄ (1556)	17(432)	30(762)	6(152)	15(381)	9(229)
	284T-286T				55 ⁷ / ₈ (1419)								59 ¹ / ₄ (1505)	63 ¹ / ₂ (1613)					
	324T-326T				59 ³ / ₈ (1508)								67 ¹ / ₈ (1702)	67 ¹ / ₈ (1702)					
	364TS-365TS				60 ¹ / ₈ (1527)								67 ³ / ₄ (1721)	70 ¹ / ₈ (1778)					
	404TS				59 ¹ / ₄ (1505)								62 ³ / ₈ (1584)						
5x6x9 ³ / ₄ B	182T-184T	19(483)	19 ¹ / ₂ (495)	38 ¹ / ₄ (972)	40 ¹ / ₈ (1019)	13 ¹ / ₄ (337)	23 ³ / ₄ (603)	3(76)	13(330)	7 ¹ / ₄ (184)	25 ¹ / ₄ (641)	19 ¹ / ₂ (495)	38 ¹ / ₄ (972)	46 ³ / ₈ (1178)	13 ¹ / ₄ (337)	23 ³ / ₄ (603)	3(76)	13(330)	7 ¹ / ₄ (184)
	213T-215T				43 ³ / ₈ (1102)								43 ³ / ₈ (1102)	49 ³ / ₈ (1260)					
	254T-256T				43 ³ / ₈ (1102)								49 ⁷ / ₈ (1267)	49 ⁵ / ₈ (1260)					
5x6x9 ³ / ₄ B 3550 RPM	284TS	19(483)	19 ¹ / ₂ (495)	49 ⁵ / ₈ (1260)	49 ¹ / ₄ (1251)	13 ¹ / ₄ (337)	23 ³ / ₄ (603)	3(76)	13(330)	7 ¹ / ₄ (184)	25 ¹ / ₄ (641)	19 ¹ / ₂ (495)	49 ⁵ / ₈ (1260)	55 ¹ / ₂ (1410)	13 ¹ / ₄ (337)	23 ³ / ₄ (603)	3(76)	13(330)	7 ¹ / ₄ (184)
	286TS				50 ³ / ₄ (1289)									57 ¹ / ₈ (1448)					
	324TS				52 ⁵ / ₈ (1337)									57 ¹ / ₈ (1470)					
	326TS				54 ¹ / ₈ (1375)									60 ³ / ₈ (1533)					
	364TS				55 ¹ / ₄ (1416)									62 ¹ / ₈ (1575)					
	365TS				56 ³ / ₈ (1432)									62 ⁵ / ₈ (1591)					
	404TS				58 ³ / ₈ (1489)									64 ⁷ / ₈ (1648)					
5x6x12B 5x6x12L	213T-215T	19(483)	19 ¹ / ₂ (495)	43 ³ / ₈ (1102)	43 ³ / ₈ (1102)	13 ¹ / ₄ (337)	24 ³ / ₄ (629)	2(51)	12 ⁷ / ₈ (327)	8(203)	25 ¹ / ₄ (641)	19 ¹ / ₂ (495)	43 ³ / ₈ (1102)	49 ⁵ / ₈ (1260)	13 ¹ / ₄ (337)	24 ³ / ₄ (629)	2(51)	12 ⁷ / ₈ (327)	8(203)
	254T-256T				49 ⁷ / ₈ (1267)								56 ¹ / ₈ (1426)						
	284T-286T				52 ¹ / ₈ (1324)								58 ³ / ₈ (1483)						
	324T-326T				55 ⁵ / ₈ (1413)								61 ⁷ / ₈ (1572)						
	364TS-365TS				55 ⁵ / ₈ (1413)								61 ⁷ / ₈ (1572)						
5x6x15 ¹ / ₂	254T-256T	23 ¹⁵ / ₁₆ (608)	26(660)	53 ³ / ₄ (1365)	54 ⁷ / ₈ (1394)	17(432)	30(762)	4 ⁹ / ₁₆ (116)	17 ³ / ₄ (451)	10 ¹ / ₂ (267)	31 ⁹ / ₁₆ (802)	26(660)	53 ³ / ₄ (1365)	62 ¹ / ₂ (1588)	17(432)	30(762)	4 ⁹ / ₁₆ (116)	17 ³ / ₄ (451)	10 ¹ / ₂ (267)
	284T-286T				57 ¹ / ₄ (1448)								64 ⁵ / ₈ (1641)						
	324T-326T				60 ⁵ / ₈ (1540)								68 ¹ / ₄ (1734)						
	364TS-365TS				61 ³ / ₈ (1559)								69(1753)						
	404TS				59 ¹ / ₄ (1505)								72 ³ / ₄ (1848)						
	405TS-444TS				65 ¹ / ₈ (1654)								72 ³ / ₄ (1848)						
	32(813)				71(1803)								69 ¹ / ₂ (1765)	20(508)					
6x8x9 ³ / ₄ B 6x8x9 ³ / ₄ L	213T-215T	22 ³ / ₄ (578)	26(660)	53 ³ / ₄ (1365)	48 ¹ / ₈ (1222)	15 ¹ / ₂ (394)	27(686)	3(76)	15(381)	8(203)	30 ³ / ₈ (772)	26(660)	53 ³ / ₄ (1365)	55 ³ / ₄ (1416)	15 ¹ / ₂ (394)	27(686)	3(76)	15(381)	8(203)
	254T-256T				53 ³ / ₈ (1362)								59 ¹ / ₄ (1505)	61 ¹ / ₄ (1556)					
	284T-286T				55 ⁷ / ₈ (1419)								63 ¹ / ₂ (1613)	65 ⁵ / ₈ (1667)					
	324T				58(1473)								65 ⁵ / ₈ (1667)	65 ⁵ / ₈ (1667)					
	286TS				54 ¹ / ₂ (1384)								53 ³ / ₄ (1365)	62 ¹ / ₈ (1578)					
6x8x9 ³ / ₄ B 3550 RPM	324TS	22 ³ / ₄ (578)	26(660)	53 ³ / ₄ (1365)	56 ³ / ₈ (1432)	15 ¹ / ₂ (394)	27(656)	3(76)	15(381)	8(203)	30 ³ / ₈ (772)	26(660)	53 ³ / ₄ (1365)	64(1626)	15 ¹ / ₂ (394)	27(686)	3(76)	15(381)	8(203)
	326TS				57 ⁷ / ₈ (1470)								59 ¹ / ₄ (1505)	67 ¹ / ₈ (1705)					
	364TS				59 ¹ / ₂ (1511)								67 ³ / ₄ (1721)	70 ¹ / ₈ (1778)					
	365TS				60 ¹ / ₈ (1527)								71 ¹ / ₈ (1816)	71 ¹ / ₈ (1816)					
	404TS				62 ³ / ₈ (1584)								75 ⁷ / ₈ (1927)	75 ⁷ / ₈ (1927)					
	405TS				63 ⁷ / ₈ (1622)								71(1803)	75 ⁷ / ₈ (1927)					
	444TS				68 ¹ / ₄ (1734)								71(1803)	75 ⁷ / ₈ (1927)					
6x8x9 ³ / ₄ H 6x8x9 ³ / ₄ L	213T-215T	21 ³ / ₄ (552)	26(660)	53 ³ / ₄ (1365)	47 ¹ / ₈ (1197)	15 ¹ / ₂ (394)	28(711)	5(127)	16(406)	8 ¹ / ₄ (210)	28 ¹¹ / ₁₆ (729)	26(660)	53 ³ / ₄ (1365)	54 ¹ / ₈ (1375)	15 ¹ / ₂ (394)	28(711)	5(127)	16(406)	8 ¹ / ₄ (210)
	254T-256T				52 ⁵ / ₈ (1337)								59 ¹ / ₄ (1505)	59 ¹ / ₄ (1505)					
	284T-286T				54 ⁷ / ₈ (1394)								61 ³ / ₈ (1568)	61 ³ / ₈ (1568)					
	324T-326T				58 ³ / ₈ (1483)								65 ³ / ₈ (1661)	65 ³ / ₈ (1661)					
	215T				48 ¹ / ₈ (1222)								53 ³ / ₄ (1365)	55 ³ / ₄ (1416)					
6x8x12L	254T-256T	22 ³ / ₄ (578)	26(660)	53 ³ / ₄ (1365)	53 ³ / ₈ (1362)	15 ¹ / ₂ (394)	28(711)	2 ¹ / ₂ (64)	15(381)	8 ¹ / ₄ (222)	30 ³ / ₈ (772)	26(660)	53 ³ / ₄ (1365)	55 ³ / ₄ (1416)	15 ¹ / ₂ (394)	28(711)	2 ¹ / ₂ (64)	15(381)	8 ¹ / ₄ (222)
	284T-286T				59 ¹ / ₄ (1505)								61 ¹ / ₄ (1556)	61 ¹ / ₄ (1556)					
	324T-326T				55 ⁵ / ₈ (1419)								63 ¹ / ₂ (1613)	63 ¹ / ₂ (1613)					
	364TS				59 ¹ / ₄ (1505)								67 ¹ / ₈ (1702)	67 ¹ / ₈ (1702)					
	364TS				59 ¹ / ₂ (1511)								67 ³ / ₄ (1721)	67 ³ / ₄ (1721)					
8x10x10 ¹ / ₂ 8x10x11 ³ / ₄ L	254T-256T	23 ¹⁵ / ₁₆ (608)	26(660)	53 ³ / ₄ (1365)	54 ⁷ / ₈ (1394)	15 ¹ / ₂ (394)	29 ¹ / ₂ (749)	4 ¹ / ₂ (114)	17(432)	8 ¹ / ₂ (216)	31 ⁹ / ₁₆ (802)	26(660)	53 ³ / ₄ (1365)	62 ¹ / ₂ (1588)	15 ¹ / ₂ (394)	29 ¹ / ₂ (749)	4 ¹ / ₂ (114)	17(432)	8 ¹ / ₂ (216)
	284T-286T				57(1448)								64 ⁵ / ₈ (1641)						
	324T-326T				57(1448)								68 ¹ / ₄ (1734)						
	364TS-365TS				60 ⁵ / ₈ (1540)								68 ¹ / ₄ (1734)						
8x10x13B	256T	23 ¹⁵ / ₁₆ (608)	26(660)	53 ³ / ₄ (1365)	61 ¹ / ₄ (1556)	17(432)	31(787)	5 ¹ / ₂ (140)	17(432)	9 ¹ / ₂ (241)	31 ⁹ / ₁₆ (802)	26(660)	59 ¹ / ₄ (1505)	68 ¹ / ₄ (1734)	17(932)	31(787)	5 ¹ / ₂ (140)	17(432)	9 ¹ / ₂ (241)
	284T-286T				54 ⁷ / ₈ (1394)								68 ¹ / ₄ (1734)						
	324T-326T				57(1448)								69(1753)						
	364TS-365TS				60 ⁵ / ₈ (1540)								71 ¹ / ₄ (1810)						
	404TS				59 ¹ / ₄ (1505)								63 ³ / ₈ (1616)						
10x12x11 10x12x11 ³ / ₄ L	256T	23 ¹⁵ / ₁₆ (608)	26(660)	53 ³ / ₄ (1365)	54 ⁷ / ₈ (1394)	18 ¹ / ₂ (470)	34 ¹ / ₂ (876)	4 ¹ / ₂ (114)	18(457)	10(254)	31 ⁹ / ₁₆ (802)	26(660)	53 ³ / ₄ (1365)	62 ¹ / ₂ (1588)	18 ¹ / ₂ (470)	34 ¹ / ₂ (876)	4 ¹ / ₂ (114)	18(457)	10(254)
	284T-286T				57(1448)								64 ⁵ / ₈ (1641)						
	324T-326T				57(1448)								68 ¹ / ₄ (1734)						
	364TS-365TS				60 ⁵ / ₈ (1540)								69(1753)						
	404TS-405TS				61 ³ / ₈ (1559)								72 ³ / ₄ (1848)						
10x12x13 10x12x13L	286T	27 ³ / ₈ (695)	32(813)	71(1803)	60 ¹ / ₂ (1537)	20(508)	37(940)	6 ¹ / ₂ (165)	21(533)	11(279)	35 ⁵ / ₈ (905)	32(813)	71(1803)	68 ¹ / ₄ (1746)	20(508)	37(940)	6 ¹ / ₂ (165)	21(533)	11(279)
	324T-326T				64(1626)								72 ¹ / ₄ (1835)						
	364T-365T				66 ¹ / ₈ (1699)								75 ¹ / ₈ (1908)						
	364TS-365TS				64 ³ / ₄ (1645)								73(1854)						
	404TS-405TS				68 ¹ / ₂ (1740)								76 ³ / ₄ (1949)						
444TS-445TS	74 ¹ / ₈ (1902)	83 ³ / ₈ (2111)																	

Dimensions

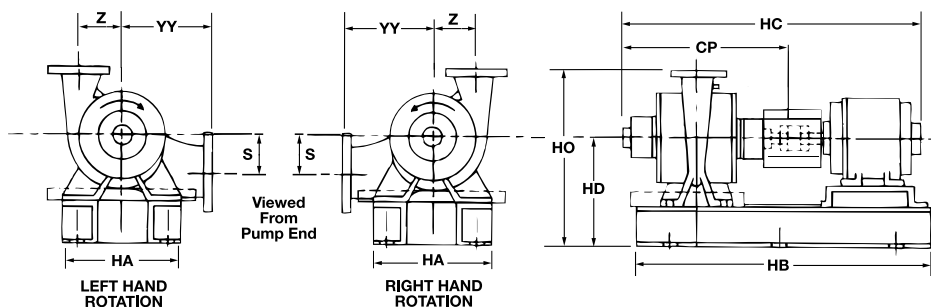
Dimensions subject to change without notice. Do not use for construction purposes.

MAXIMUM WORKING PRESSURE: 175 PSI*

NOTE: Flanges are 125# ANSI Standard.

*300 PSI working pressure with 250 ANSI flanges optionally available with standard mechanical seal if suction pressure is below 160 psig or with -S mechanical seal for higher suction pressures.

Right hand rotation is furnished unless otherwise specified.



PUMP SIZE	MOTOR FRAME	DIMENSIONS IN INCHES (MM)										
		CP	HA	HB	HC MAX.	HD	HO	S	YY	Z		
8x10x17 Stuffing Box Only	284T-286T	31 ⁹ / ₁₆ (802)	32 (813)	71 (1803)	64 ⁵ / ₈ (1641)	20 (508)	39 (991)	5 ¹ / ₂ (140)	21 (533)	11 ⁷ / ₈ (302)		
	324T-326T				68 ¹ / ₄ (1734)							
	364T-365T				71 ¹ / ₈ (1807)							
	364TS-365TS				69(1753)							
	404TS-405TS				72 ³ / ₄ (1848)							
	444TS-445TS				79 ¹ / ₈ (2010)							
8x10x17L Standard Mechanical Seal Only	286T	23 ¹⁵ / ₁₆ (608)	32 (813)	71 (1803)	57(1448)	20 (508)	39 (991)	5 ¹ / ₂ (140)	21 (533)	11 ⁷ / ₈ (302)		
	324T-326T				60 ⁵ / ₈ (1540)							
	364T-365T				63 ¹ / ₂ (1613)							
	365TS				61 ³ / ₈ (1559)							
	404T-405T				65 ¹ / ₈ (1554)							
	404TS-405TS				71 ¹ / ₂ (1816)							
	444TS-445TS				68 ¹ / ₈ (1730)							
	326T				72 ³ / ₄ (1848)							
10x12x17 Stuffing Box Only	364T-365T	36 ¹ / ₈ (918)	32 (813)	71 (1803)	75 ⁵ / ₈ (1921)	21 ¹ / ₂ (546)	40 ¹ / ₂ (1029)	7 (178)	21 (533)	12 ³ / ₁₆ (310)		
	404T-405T				80 ¹ / ₄ (2038)							
	444T				85 ³ / ₈ (2169)							
	404TS-405TS				77 ¹ / ₄ (1962)							
	444TS-445TS				83 ⁵ / ₈ (2124)							
	250 HP				36 (914)						*	*
	1800 RPM											
	300 HP											
	1800 RPM											
	10x12x17L Standard Mechanical Seal Only	326T	29 ¹ / ₈ (740)	32 (813)	71 (1803)	65 ³ / ₄ (1670)	21 ¹ / ₂ (546)	40 ¹ / ₂ (1029)	7 (178)	21 (533)	12 ³ / ₁₆ (310)	
364T-365T		68 ⁵ / ₈ (1743)										
404T-405T		73 ¹ / ₄ (1861)										
444T		78 ³ / ₈ (1991)										
404TS-405TS		70 ¹ / ₄ (1784)										
444TS-445TS		76 ⁵ / ₈ (1946)										
250 HP and Larger		Consult Factory										
12x14x12 ¹ / ₂ Stuffing Box Only	284T-286T	36 ¹ / ₈ (918)	32 (813)	71 (1803)	69 ¹ / ₄ (1759)	21 ¹ / ₂ (546)	39 ¹ / ₂ (1003)	6 ³ / ₄ (171)	21 (533)	10 ⁷ / ₈ (276)		
	324T-326T				72 ³ / ₄ (1848)							
	364TS-365TS				73 ¹ / ₂ (1867)							
	404TS-405TS				77 ¹ / ₄ (1962)							
	444TS-445TS				83 ⁵ / ₈ (2124)							
12x14x12 ³ / ₄ L Standard Mechanical Seal Only	324T-326T	29 ¹ / ₈ (740)	32 (813)	71 (1803)	65 ³ / ₄ (1670)	21 ¹ / ₂ (546)	39 ¹ / ₂ (1003)	6 ³ / ₄ (171)	18 (457)	10 ⁷ / ₈ (276)		
	364T-365T				68 ⁵ / ₈ (1743)							
	404T				71 ³ / ₄ (1822)							
	364TS-365TS				66 ¹ / ₂ (1689)							
	404TS-405TS				70 ¹ / ₄ (1784)							
	444TS-445TS				76 ⁵ / ₈ (1946)							
	250 HP and Larger				Consult Factory							
12x14x17 ¹ / ₂ (Not available in PF Construction) Stuffing Box Only	365T	41 ³ / ₄ (1060)	36 (914)	81 (2057)	81 ¹ / ₄ (2063)	23 ¹ / ₂ (597)	45 ¹ / ₄ (1149)	7 ³ / ₄ (197)	25 (635)	13 ¹ / ₂ (343)		
	404T-405T				85 ⁷ / ₈ (2181)							
	444T-445T				93(2362)							
	445TS				89 ¹ / ₄ (2267)							
	250 HP			*	*							
	1800 RPM											
	300 HP											
	1800 RPM											
	350 HP											
	1800 RPM											
400 HP												
1800 RPM												
450 HP												
1800 RPM												
12x14x17 ¹ / ₂ L & B Standard Mechanical Seal Only	365T	34 (864)	36 (914)	81 (2057)	73 ¹ / ₂ (1867)	23 ¹ / ₂ (597)	45 ¹ / ₄ (1149)	7 ³ / ₄ (197)	25 (635)	13 ¹ / ₂ (343)		
	404T-405T				78 ¹ / ₈ (1984)							
	444T-445T				85 ¹ / ₄ (2165)							
	444TS-445TS				81 ¹ / ₂ (2070)							
	250 HP and Larger				Consult Factory							

* Varies with motor manufacturer.

**Stuffing box type VSCS-S construction available for this pump.

