

Stainless Steel Centrifugal Pump

Model 3U



Technical Specification

**EBARA**

EBARA Pumps Americas Corporation

Contents

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3U-40-125A-5 HP					
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3U-40-160-1-10 HP					
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Model Designation

	3U	4	65	200	300	T	3	C
MODEL TYPE								
3U- stainless steel centrifugal								
SPEED								
(none) – 3450 RPM								
4 – 1725 RPM								
DISCHARGE SIZE								
32 – 1¼"								
40 – 1½"								
50 – 2"								
65 – 2½"								
IMPELLER PERFORMANCE CODE								
125 1251 1252								
160 1601 1601								
200 2001 2002								
MOTOR HP								
10 – 1 HP 100 – 10HP								
15 – 1.5 HP 150 – 15HP								
20 – 2HP 200 – 20HP								
30 – 3HP 250 – 25HP								
50 – 5HP 300 – 30HP								
75 – 7.5HP								
MOTOR ENCLOSURE								
T – TEFC W – Washdown								
D – ODP X – Explosion Proof								
PHASE								
1 – single phase								
3 – three phase								
MECHANICAL SEAL TYPE								
C – Carbon/Ceramic/Viton								
G – Carbon/Ceramic/Buna								
H – Hot Water – Carbon/Ni-Resist/Viton								
CO – Carbon-Ceramic-Viton								
GO – Carbon-Ceramic-Buna								
HO – Carbon-Ni-Resist-Viton								
EPDM – Carbon-Ceramic-EPDM								
SCCV – Si-Carbide-Carbon-Viton								
VSC – Si-Carbide-Si-Carbide-Viton								
ESC – Si-Carbide-Si-Carbide-EPDM								



Certified to
NSF/ANSI CAN 61
& 372

Note: Model 3U with seal code "C" is Certified



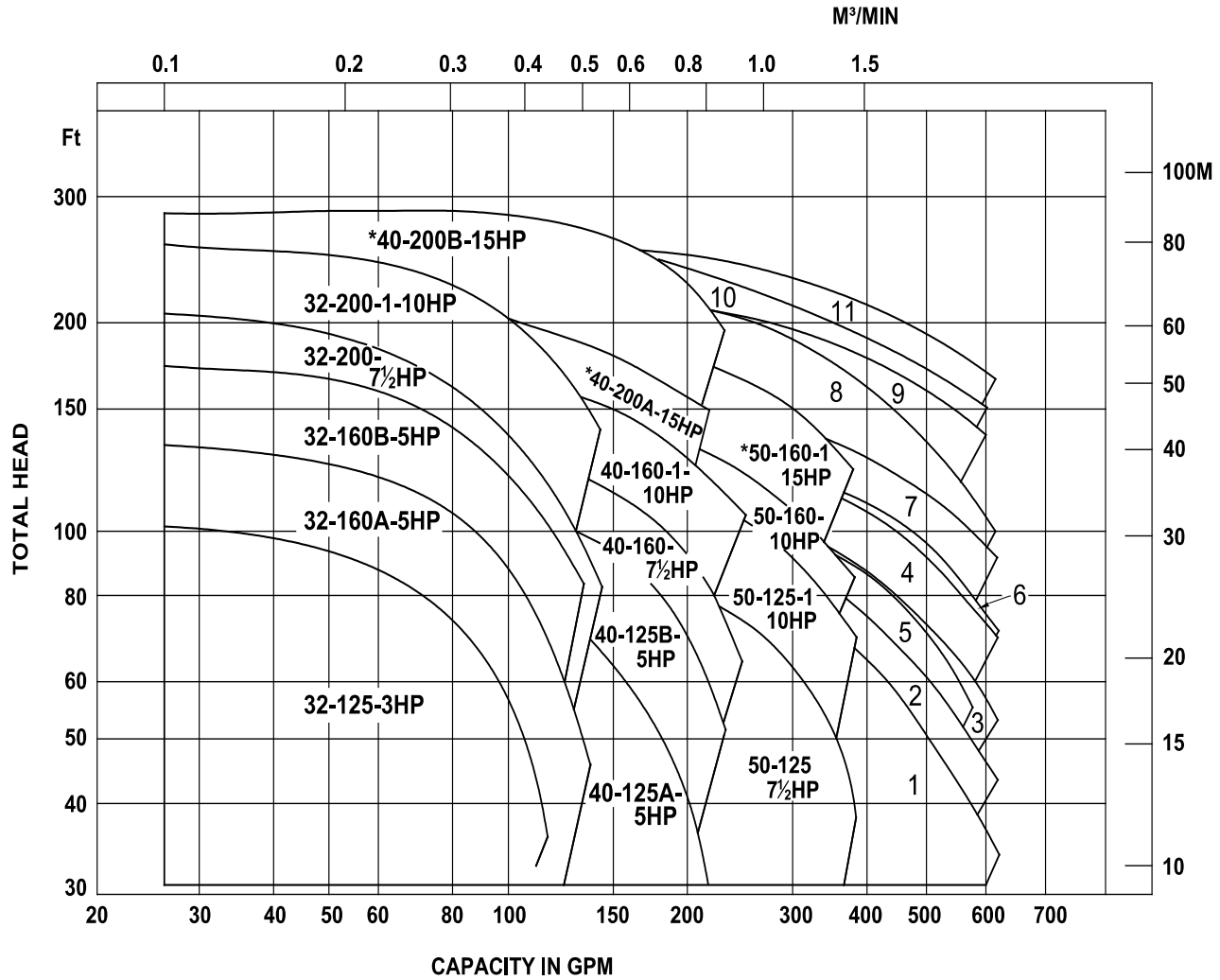
Specifications

	Standard	Optional
Size Suction (150 lb ANSI R.F. equivalent) Discharge (150 lb ANSI R.F. equivalent)	3U32 – 2" ANSI Equivalent 3U40 – 2½" ANSI Equivalent 3U50 – 2½" ANSI Equivalent 3U65 – 3" ANSI Equivalent 3U32 – 1¼ ANSI Equivalent 3U40 – 1½ ANSI Equivalent 3U50 – 2" ANSI Equivalent 3U65 – 2½" ANSI Equivalent	Companion Flange Kit 150 Lb ANSI, Female NPT
Range of HP	3U – 1HP to 30 HP	
Range of Performance Capacity Head	5 to 633 GPM at 3450 RPM 9 to 282 Feet at 3450 RPM	
Liquid Handled Type of liquid Temperature Max working pressure	Clean water 14°F to 212°F (-10°C to 100°C) 145 PSI (10 Bar)	Min -4°F (-20°C) with Carbon/Ceramic/EPDM seal Max 250°F (121°C) with Carbon/Ni-Resist/Viton seal
Materials Casing Impeller (closed type) Shaft Sleeve/Coupling Bracket	3U 304L Stainless Steel 304L Stainless Steel 304L Stainless Steel Cast Iron	3U65 304L Stainless Steel 316 Stainless Steel 304L Stainless Steel Cast Iron
Shaft Seal Seal Material	Mechanical Seal – Type 21 Carbon/Ceramic/Viton	Carbon/Ceramic/Buna Carbon/Ceramic/EPDM Carbon/Ni-Resist/Viton Si-Carbide-Si-Carbide-EPDM Si-Carbide/Carbon/Viton Si-Carbide/Si-Carbide/Viton
Direction of Rotation	Clockwise when viewed from motor end	
Motor Type Speed Bearing Single Phase Three Phase Motor Protection	NEMA JM, TC, TSC Frame 60Hz, 3450 RPM (2 poles) / 1750 RPM (4 poles) Ball Bearing TEFC – 3 HP (230V) ODP – 3 HP to 10 HP (230 V) TEFC – 3 HP to 30 HP ODP – 3 HP to 30 HP 230/460 V (usable at 208V) Overload protection must be provided	Explosion proof- consult factory for availability Washdown duty-consult factory for availability
Standard Accessories	Suction and Discharge Flange Gasket Motor Support	



Selection Chart

Nominal Speed 3450 RPM



- | | |
|-------------------|-------------------|
| 1. 3U65-125-7.5HP | 7. 3U65-160-20HP |
| 2. 3U65-125-10HP | 8. 3U65-160-25HP |
| 3. 3U65-125-15HP | 9. 3U65-200-20HP |
| 4. 3U65-125-20HP | 10. 3U65-200-25HP |
| 5. 3U65-160-10HP | 11. 3U65-200-30HP |
| 6. 3U65-160-15HP | |

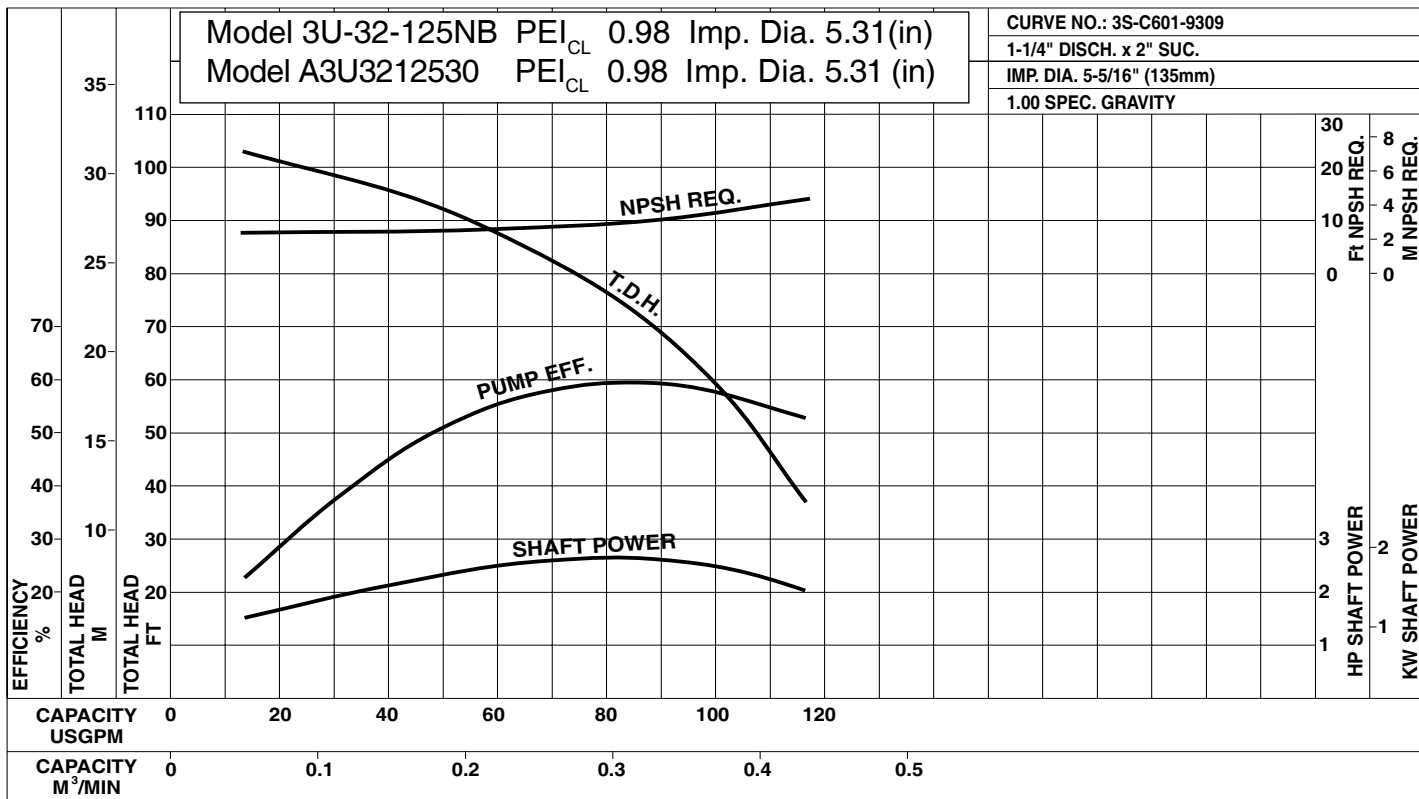
*Three phase motor only



Performance Curves

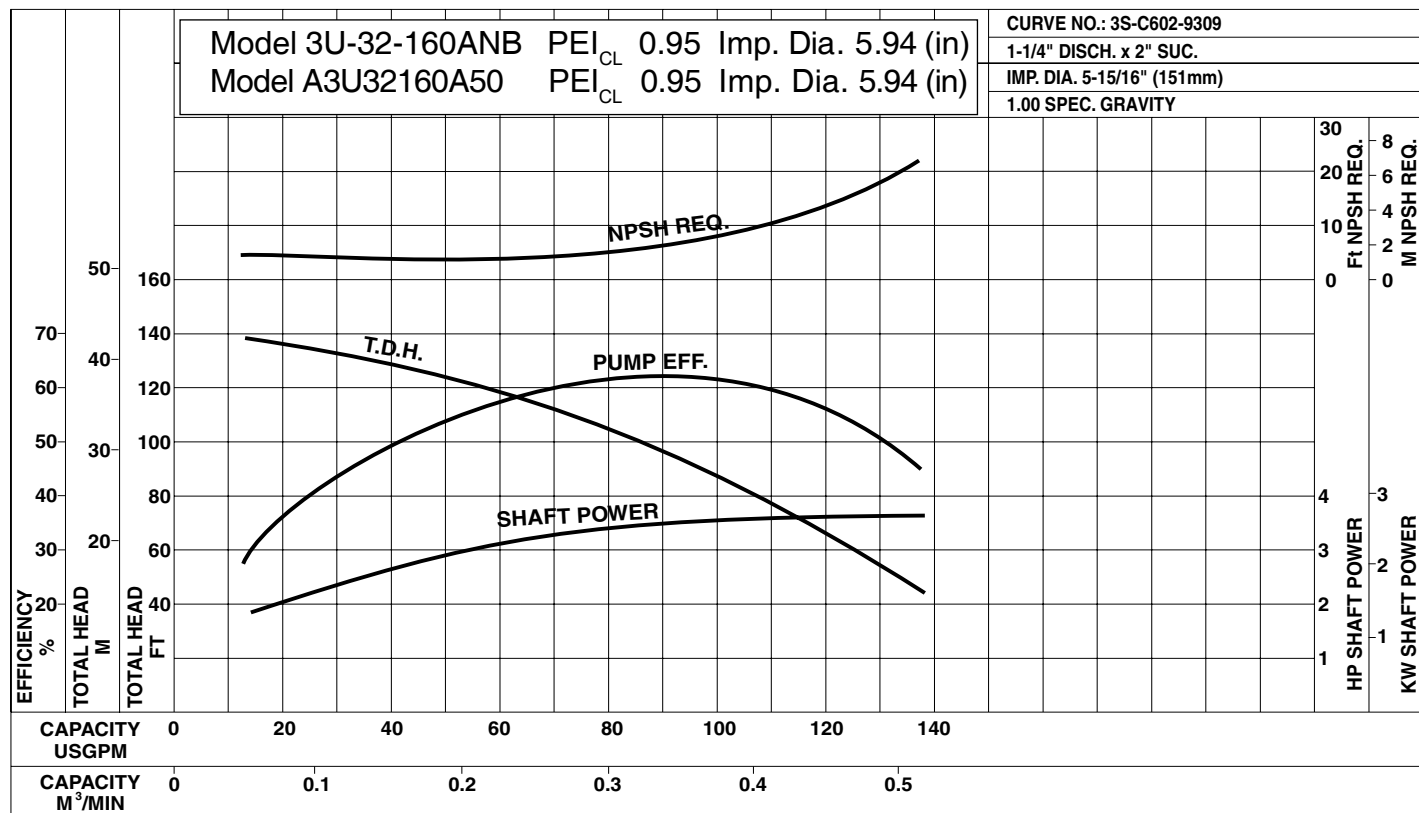
3U 32-125-3HP

Nominal Speed: 3450 RPM

Size: 1¼ x 2 x 5⁵/₁₆

3U 32-160A-5HP

Nominal Speed: 3450 RPM

Size: 1¼ x 2 x 5¹⁵/₁₆

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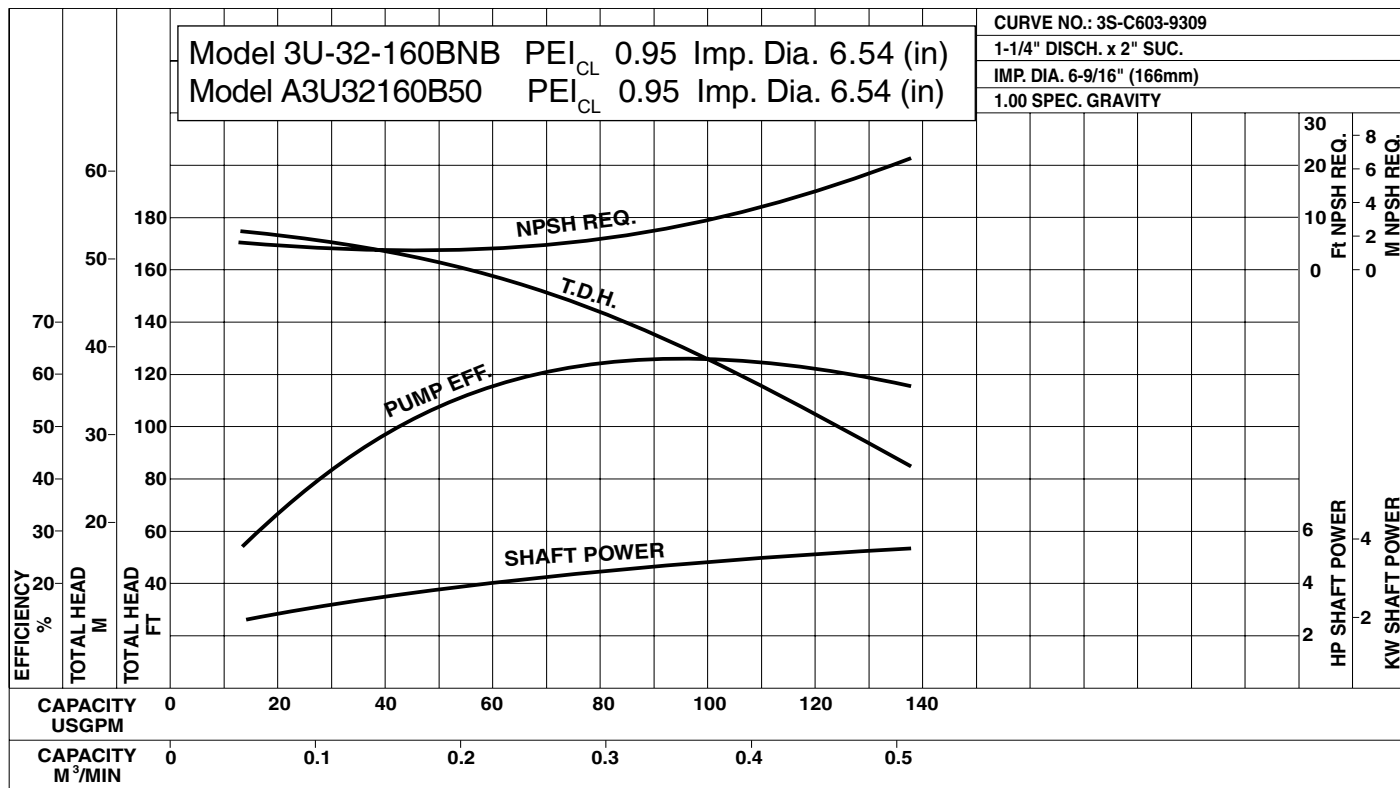
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Performance Curves

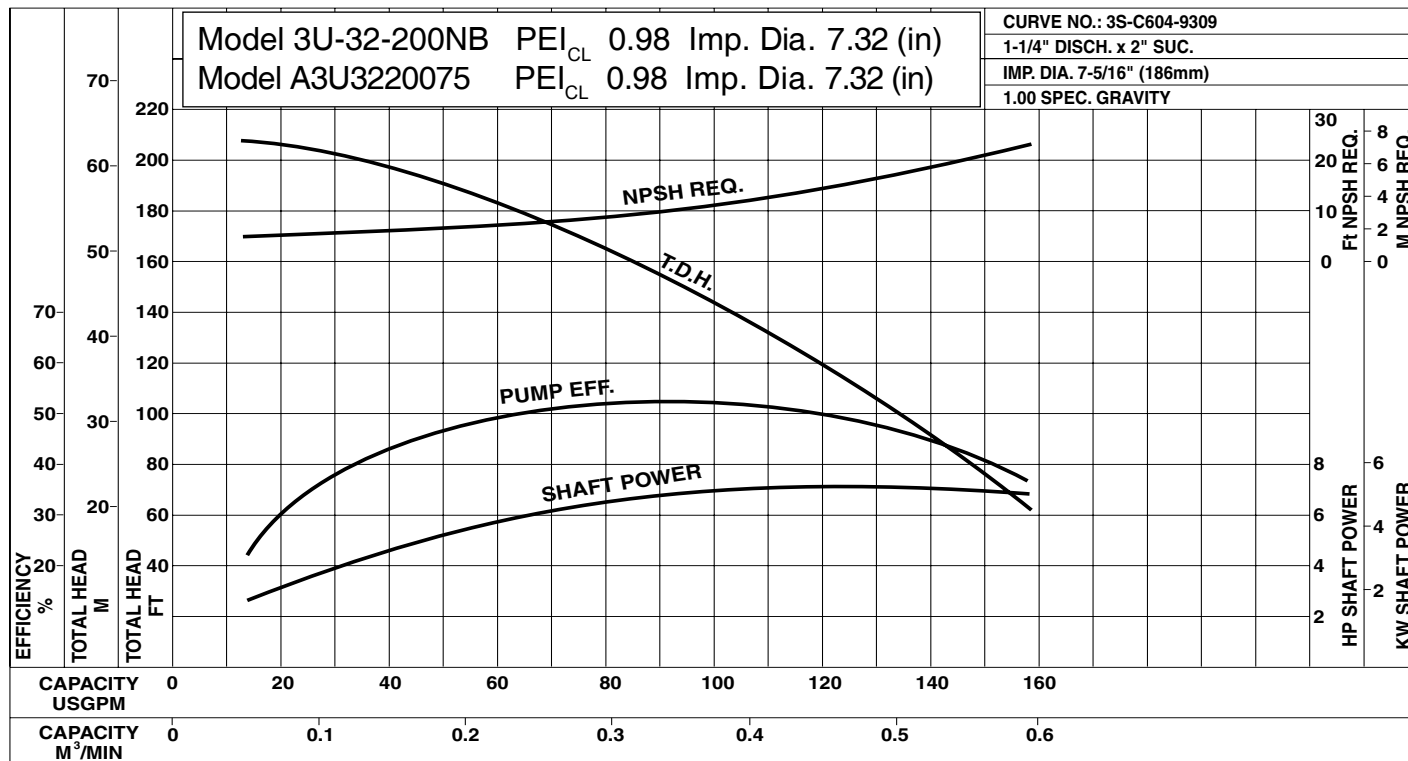
3U 32-160B-5HP

Nominal Speed: 3450 RPM

Size: 1¼ x 2 x 6⁹/₁₆

3U 32-200-7½HP

Nominal Speed: 3450 RPM

Size: 1¼ x 2 x 7⁵/₁₆

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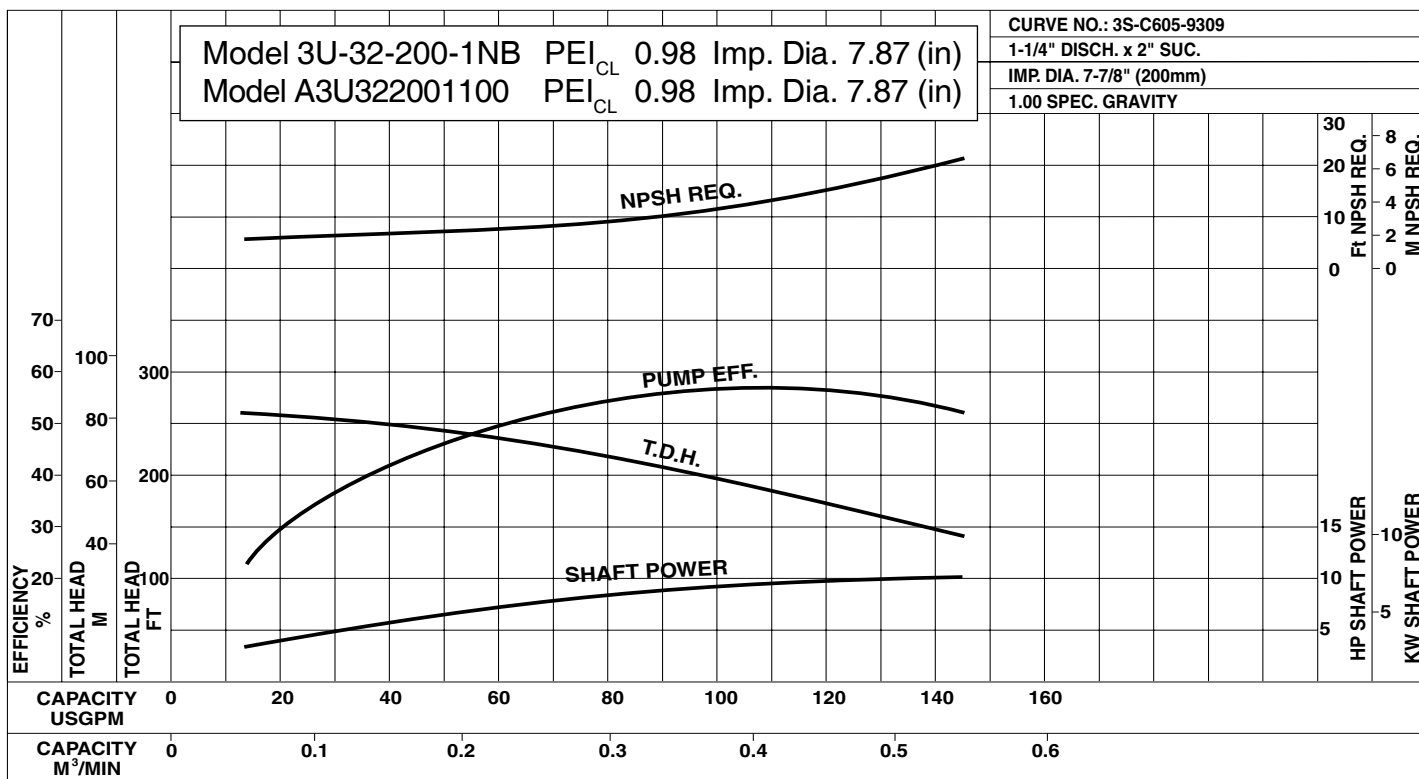
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Performance Curves

3U 32-200-1-10HP

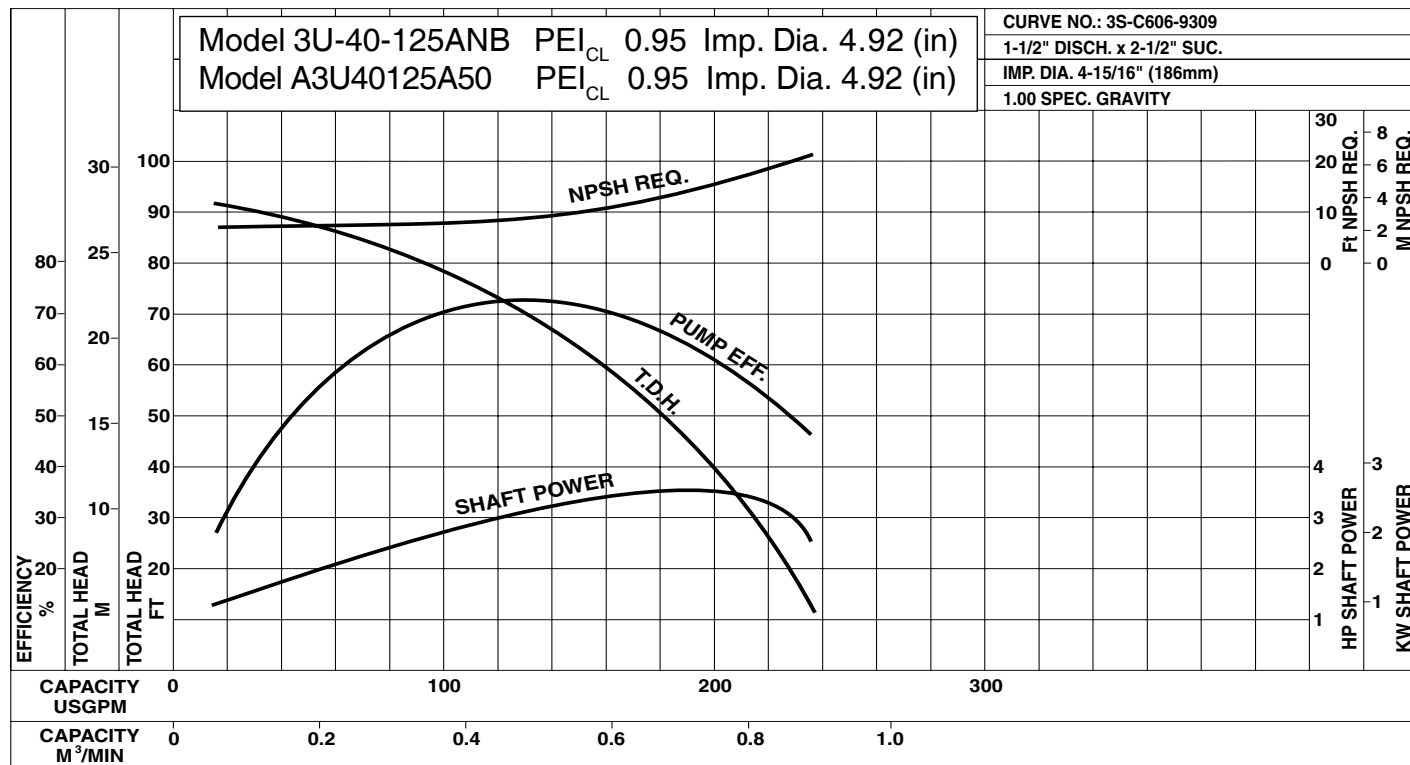
Nominal Speed: 3450 RPM

Size: 1¼ x 2 x 7⅞



3U 40-125A-5HP

Nominal Speed: 3450 RPM

Size: 1½ x 2½ x 4¹⁵/₁₆

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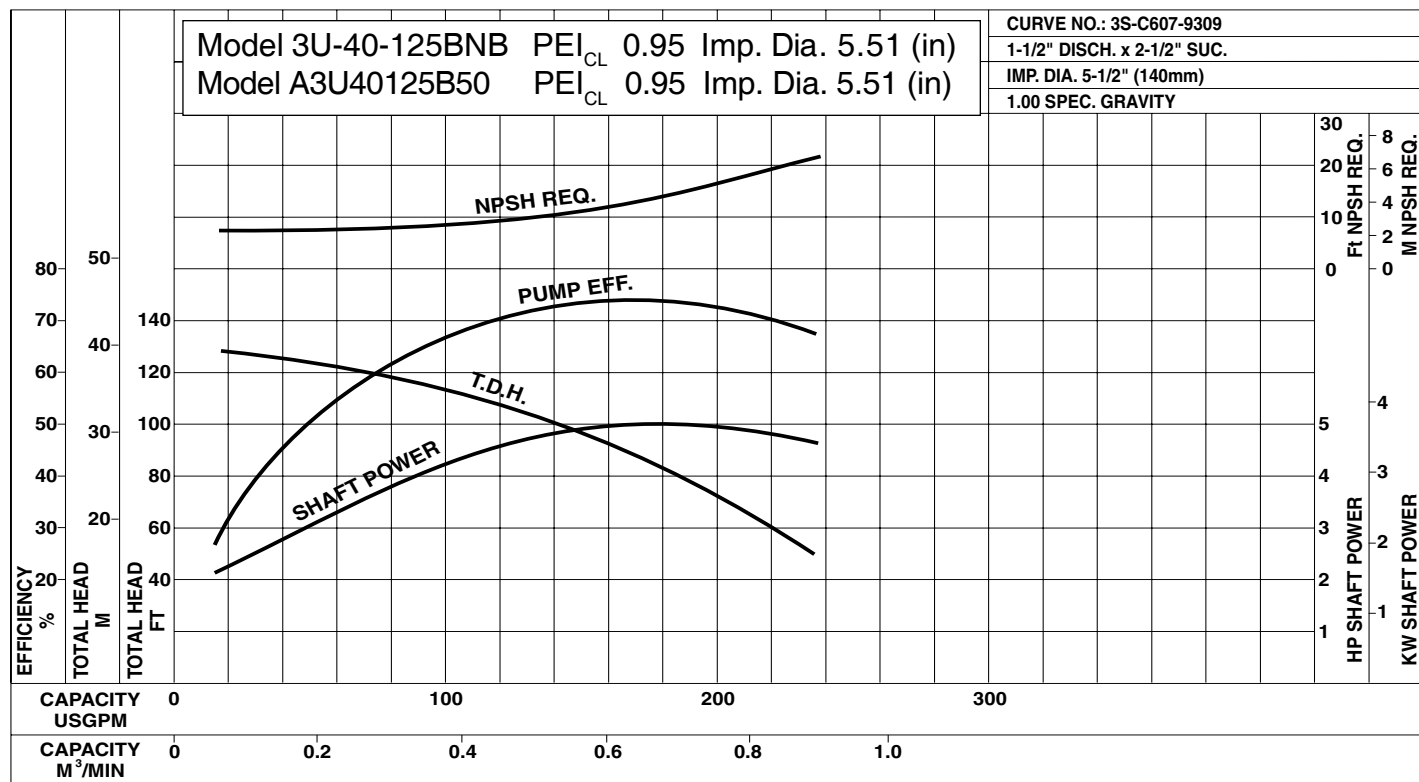
(t) 803.327.5005 (f) 803.327.5097

Performance Curves

3U 40-125B-5HP

Nominal Speed: 3450 RPM

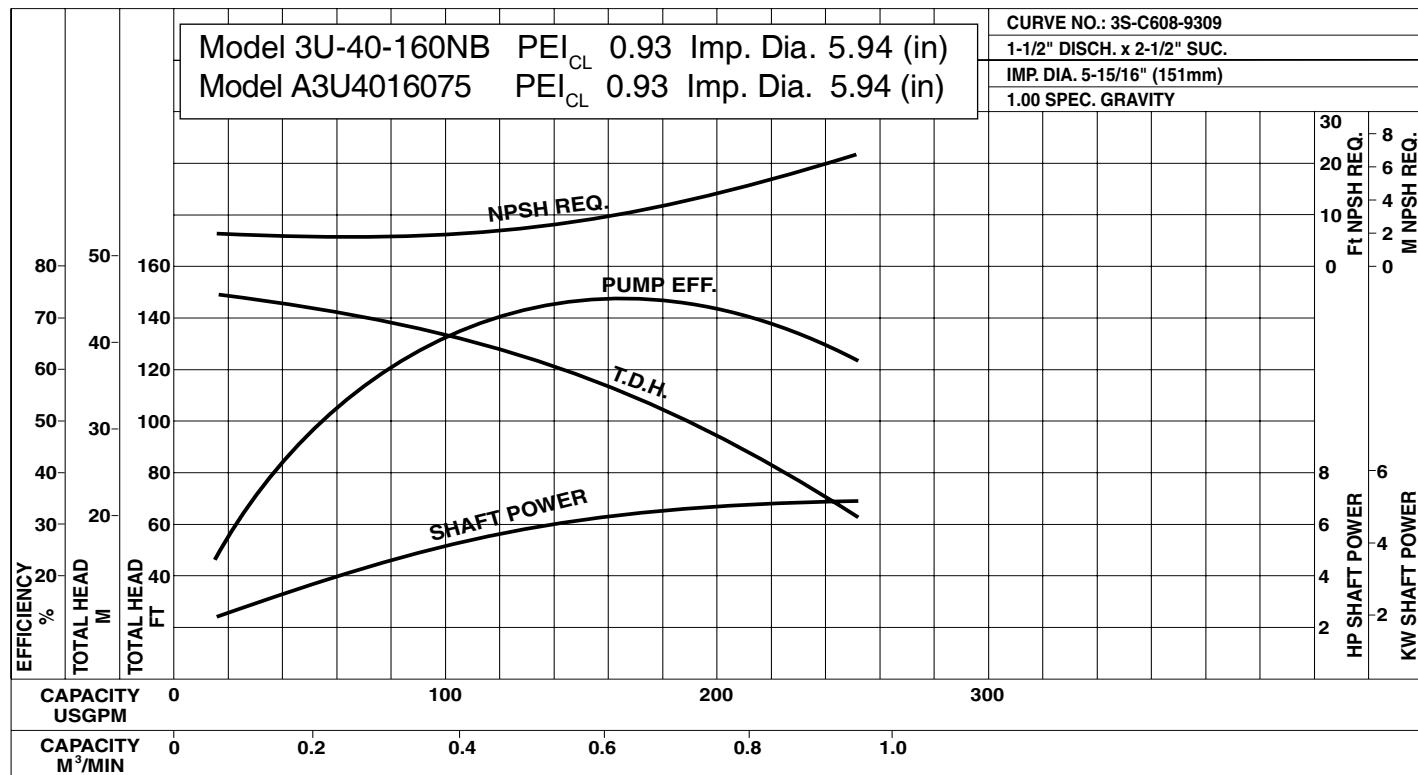
Size: 1½ x 2½ x 5½



3U 40-160-7½HP

Nominal Speed: 3450 RPM

Size: 1½ x 2½ x 5½



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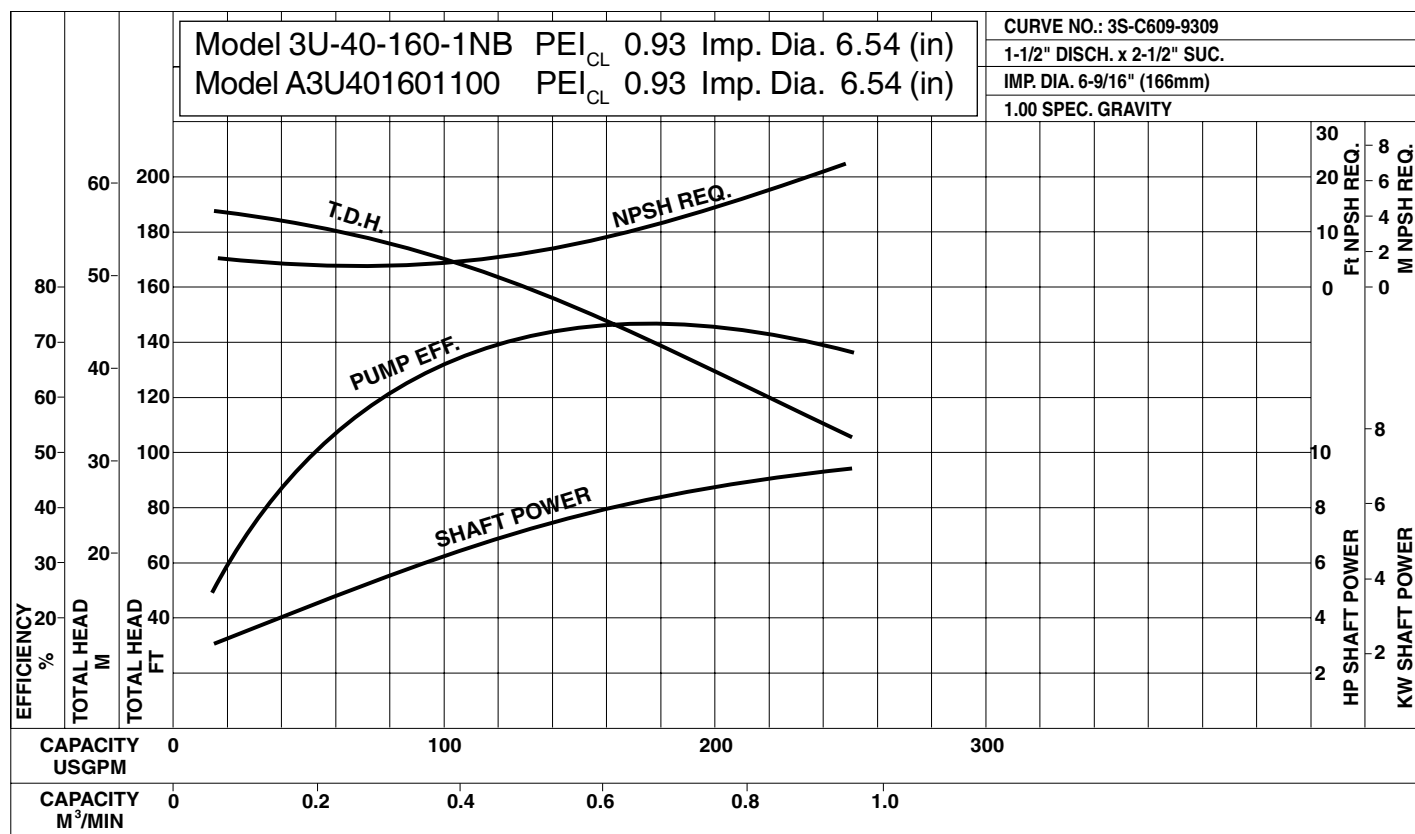
(t) 803.327.5005 (f) 803.327.5097

Performance Curves

3U 40-160-1-10HP

Nominal Speed: 3450 RPM

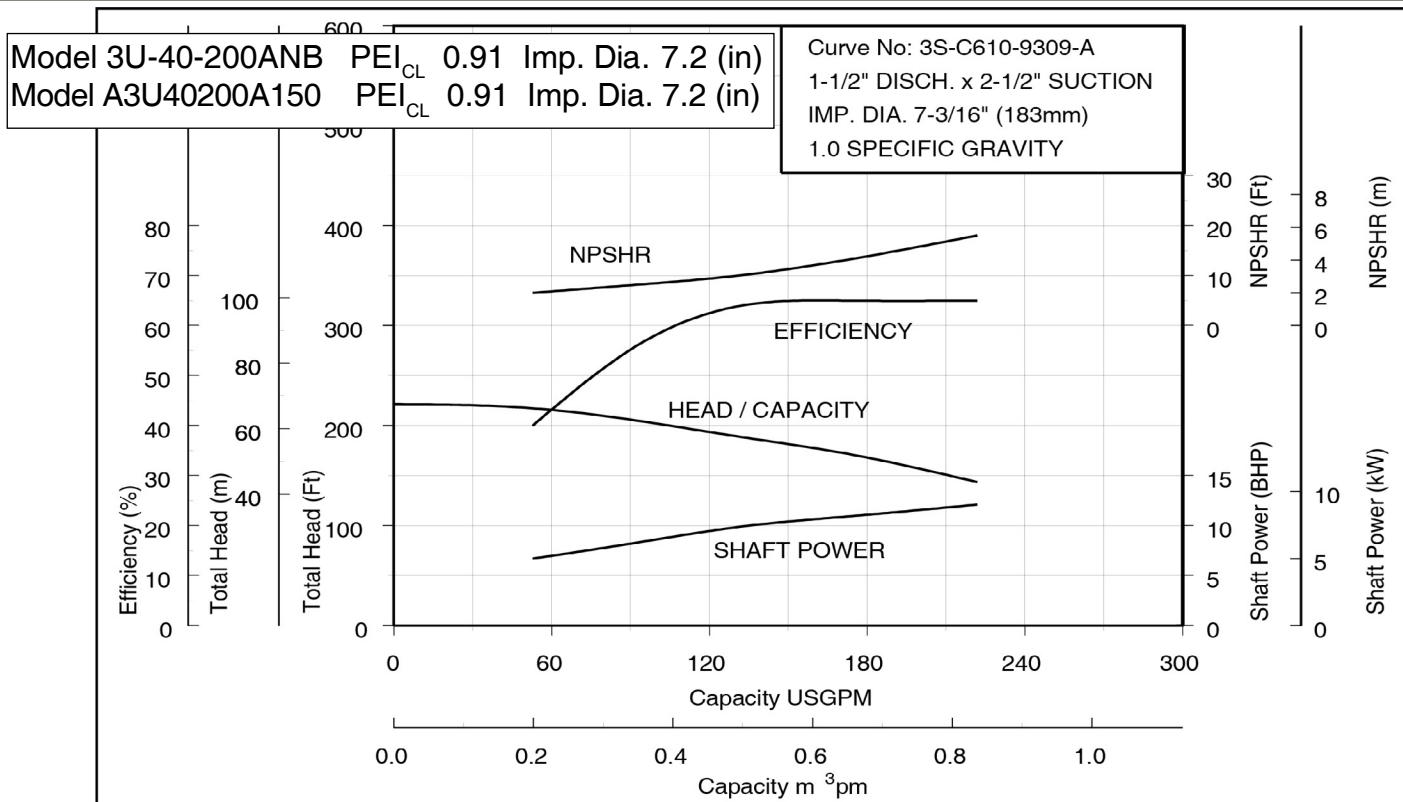
Size: 1½ x 2½ x 6⅞



3U 40-200A-15HP

Nominal Speed: 3450 RPM

Size: 1½ x 2½ x 7⅞



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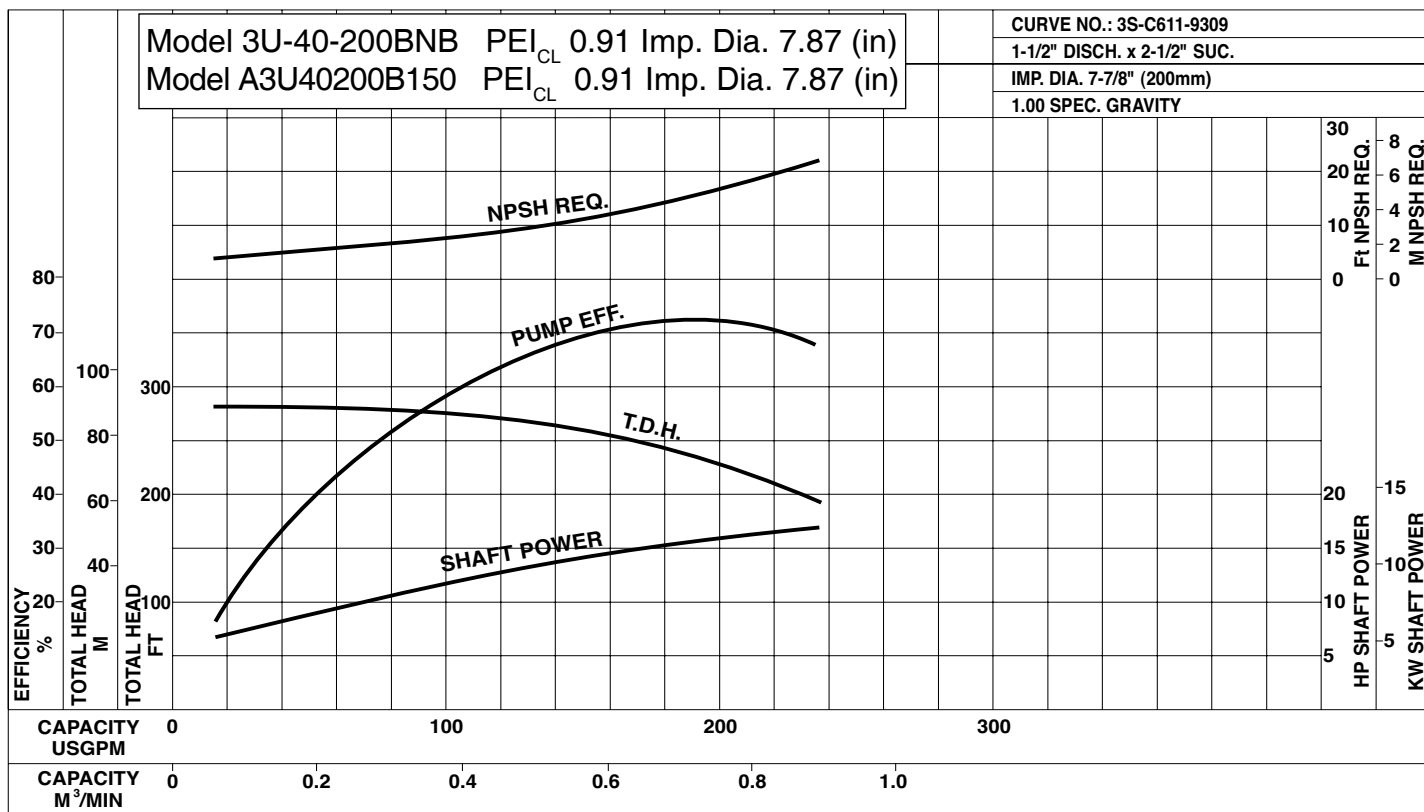
(t) 803.327.5005 (f) 803.327.5097

Performance Curves

3U 40-200B-15HP

Nominal Speed: 3450 RPM

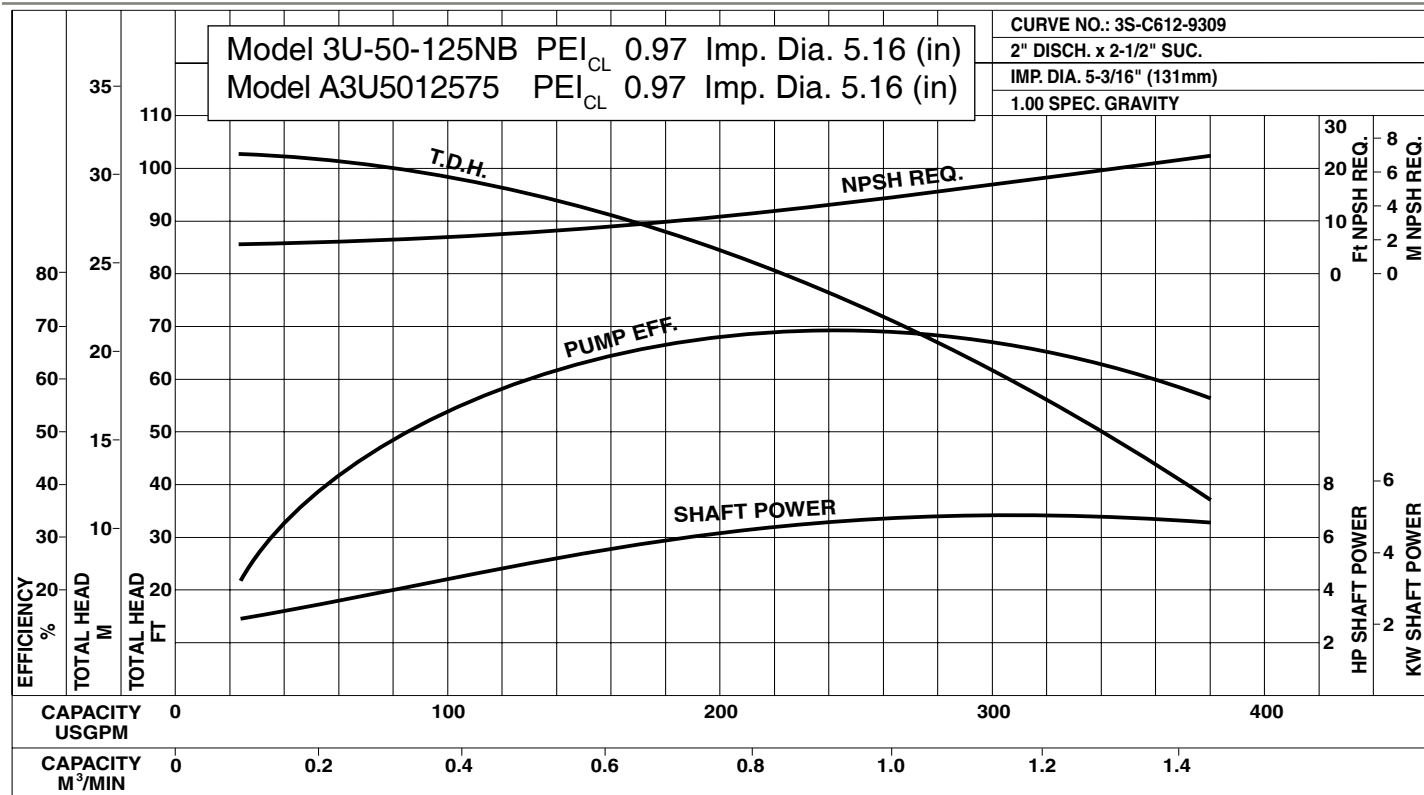
Size: 1½ x 2½ x 7⅞



3U 50-125-7½HP

Nominal Speed: 3450 RPM

Size: 2 x 2½ x 5⅜



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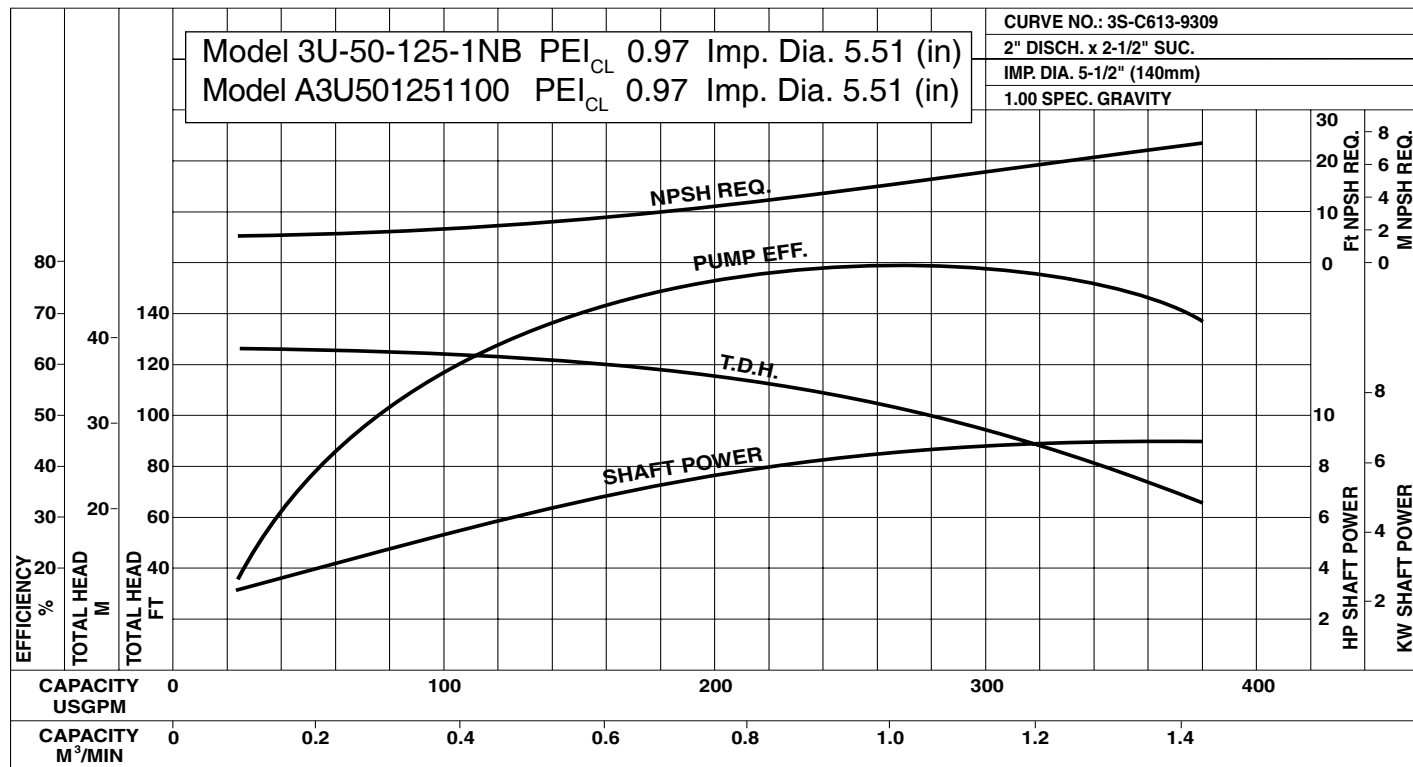
(t) 803.327.5005 (f) 803.327.5097

Performance Curves

3U 50-125-1-10HP

Nominal Speed: 3450 RPM

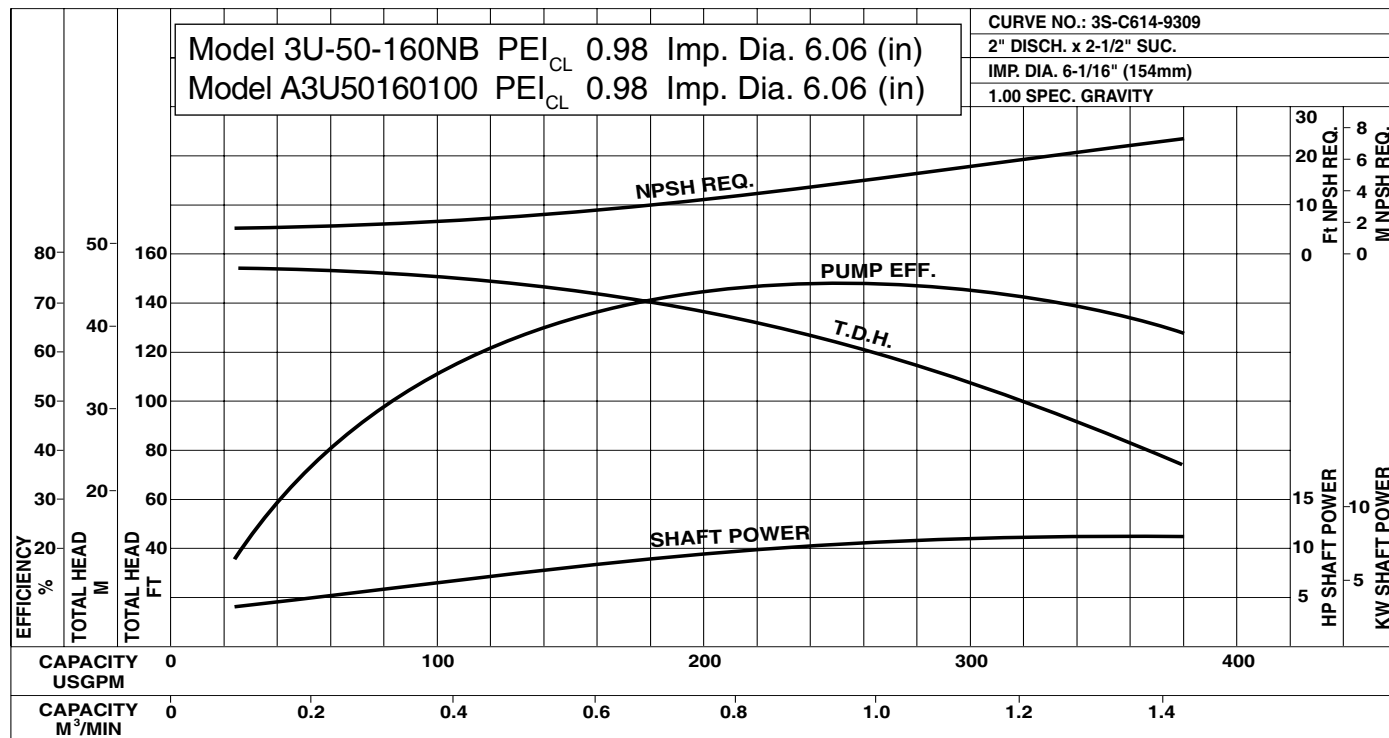
Size: 2 x 2½ x 5½



3U 50-160-10HP

Nominal Speed: 3450 RPM

Size: 2 x 2½ x 6¼



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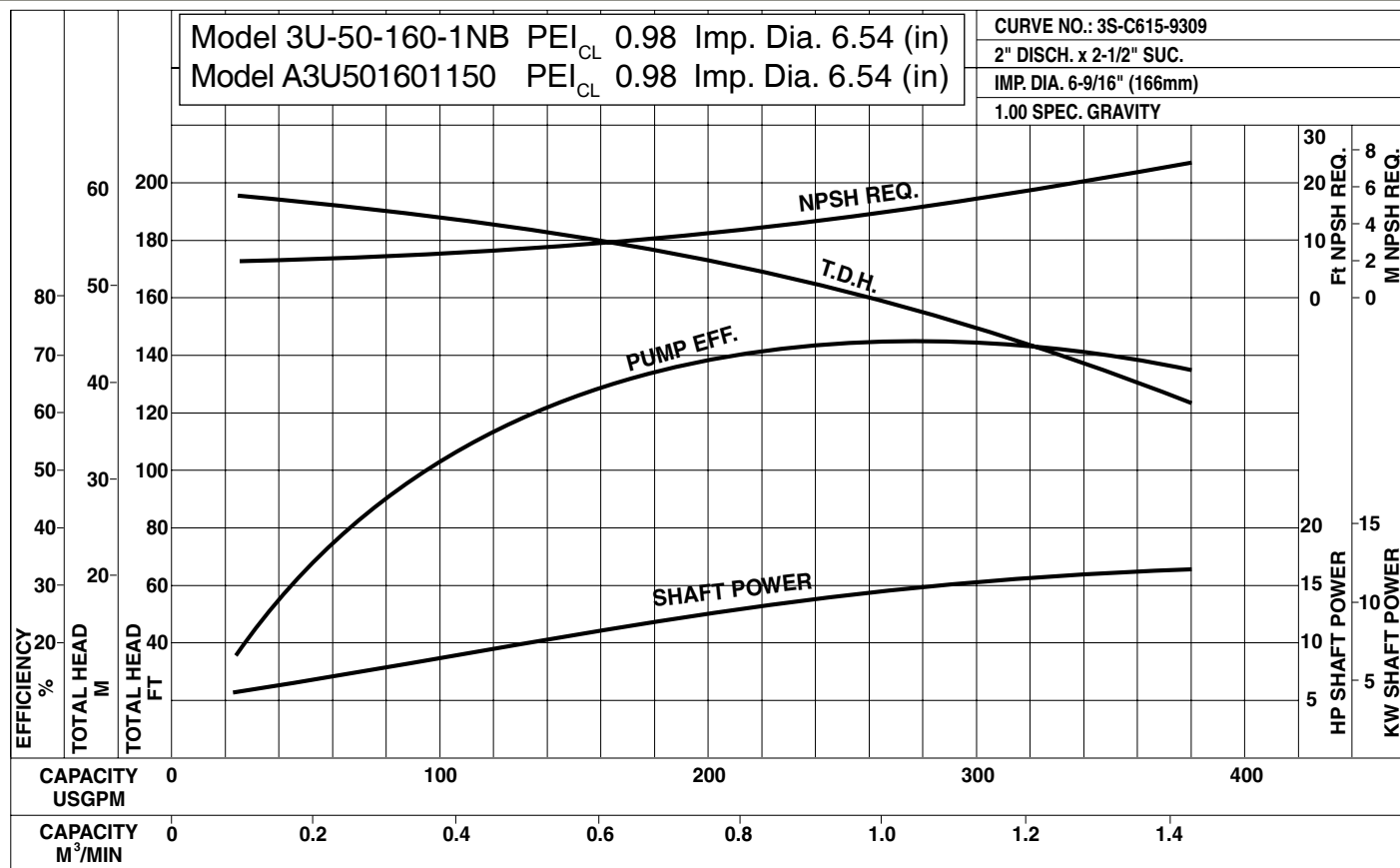
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Performance Curves

3U 50-160-1-15HP

Nominal Speed: 3450 RPM

Size: 2 x 2½ x 6⅞



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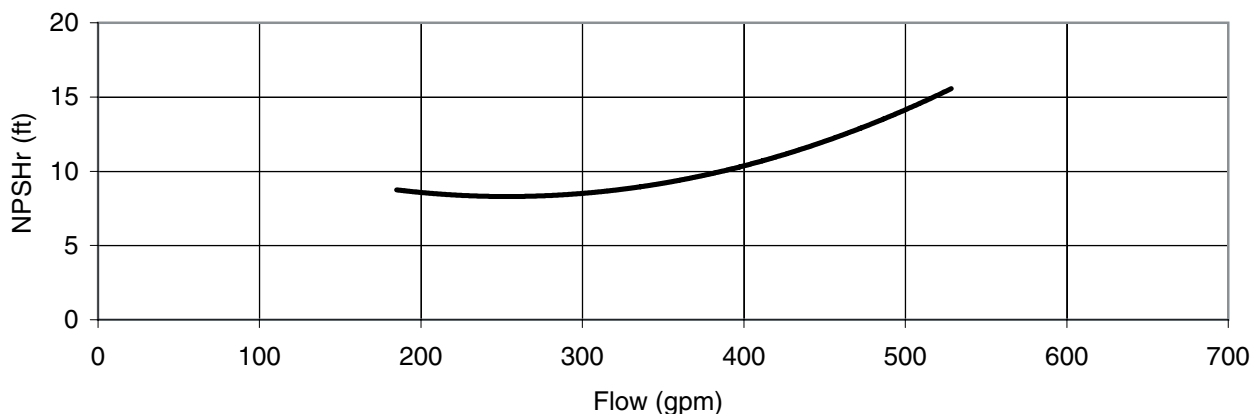
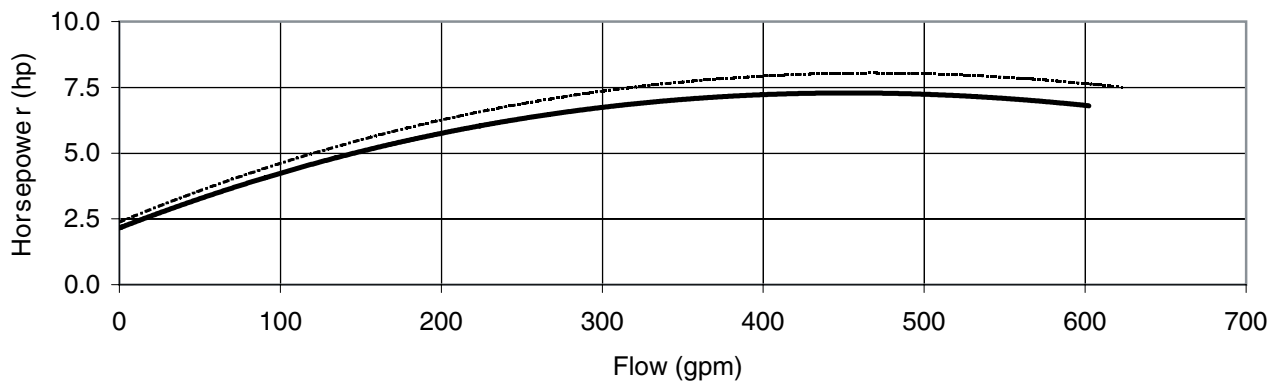
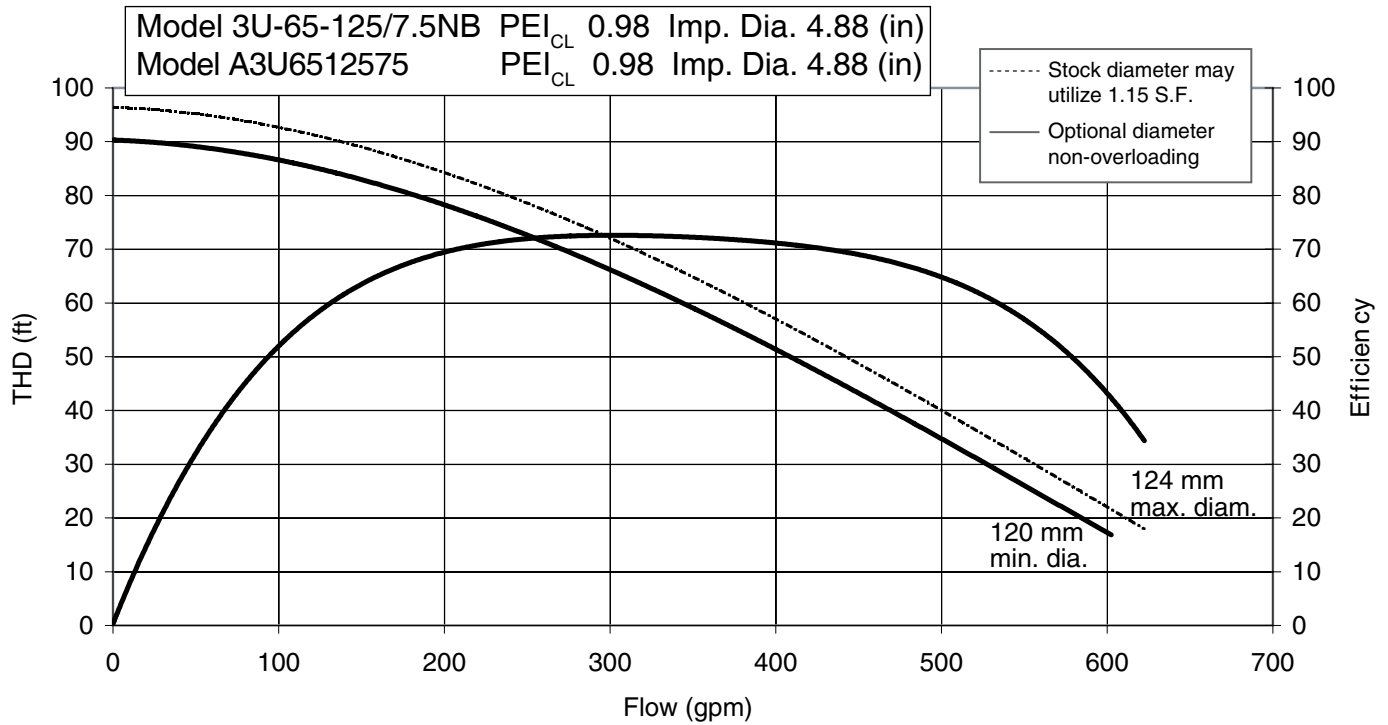
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3U 65-125-7.5HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 4⅞ (124 mm)

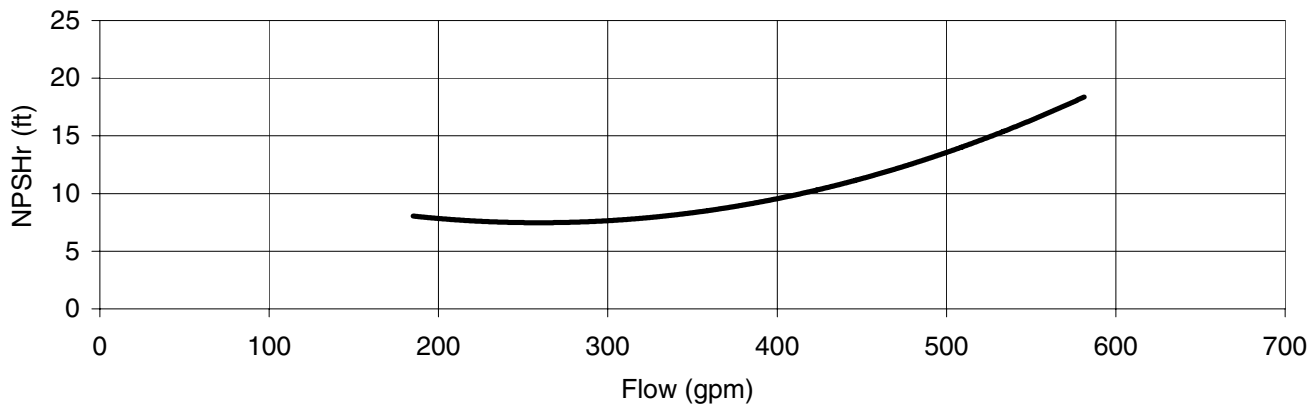
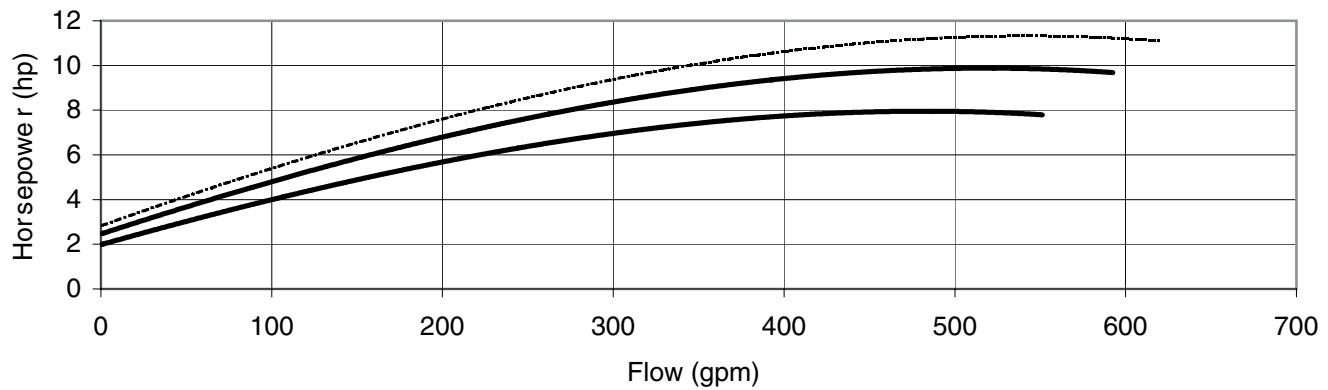
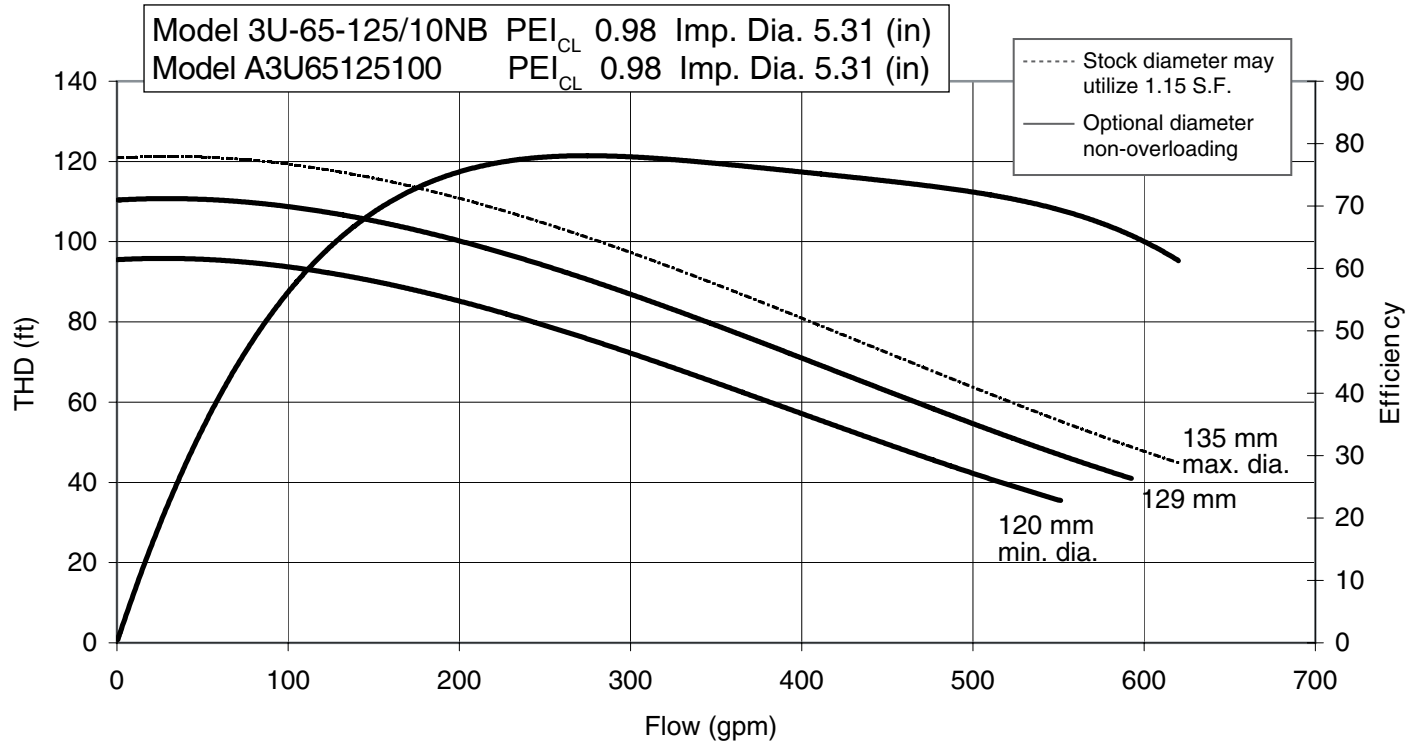


Performance Curves

3U 65-125-10HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 5⁵/₁₆ (135 mm)

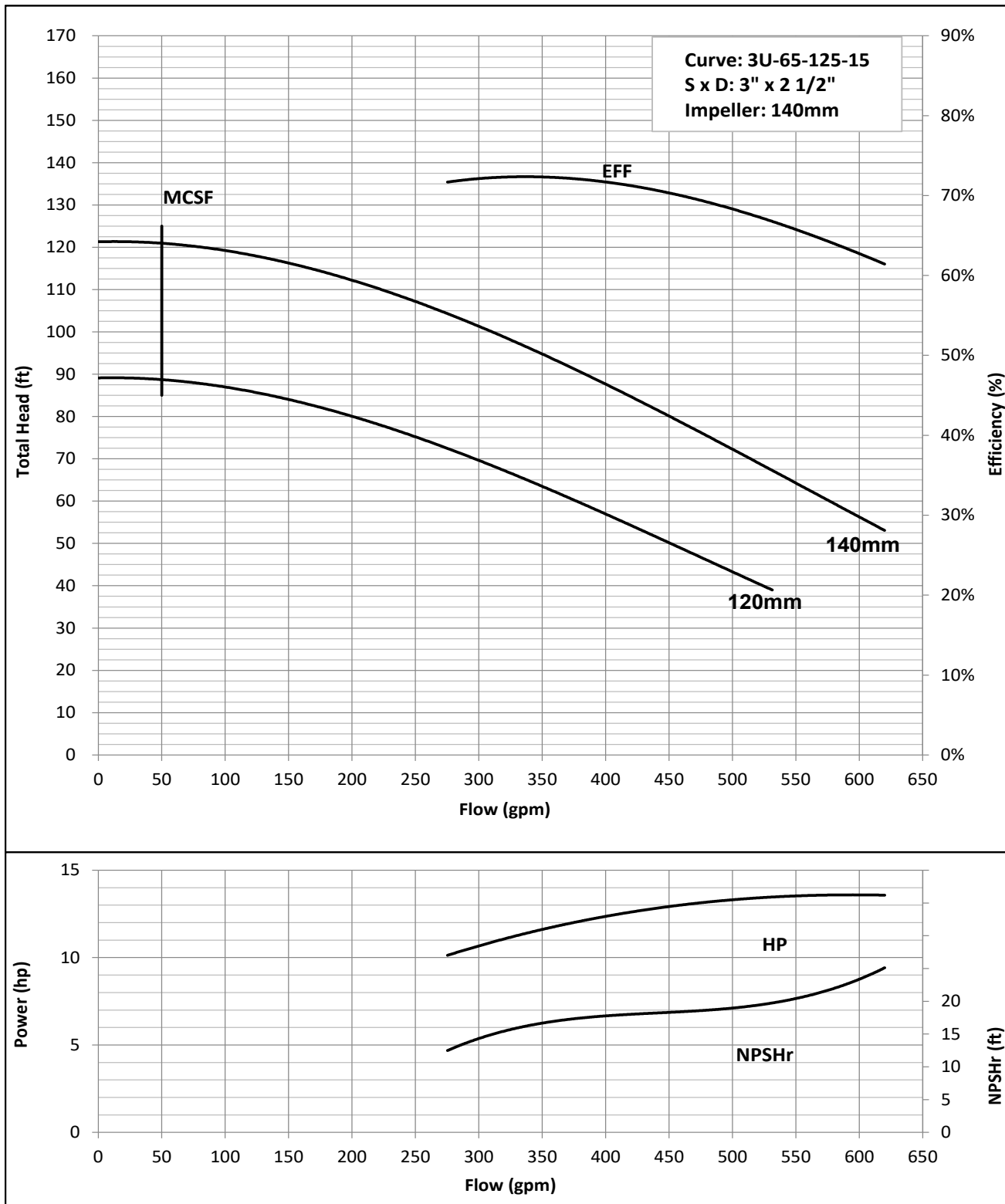


Performance Curves

3U 65-125-15HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 5½ (140 mm)

Model 3U-65-125/15NB PEI_{CL} 0.98 Imp. Dia. 5.51 (in)Model A3U65125150 PEI_{CL} 0.98 Imp. Dia. 5.51 (in)

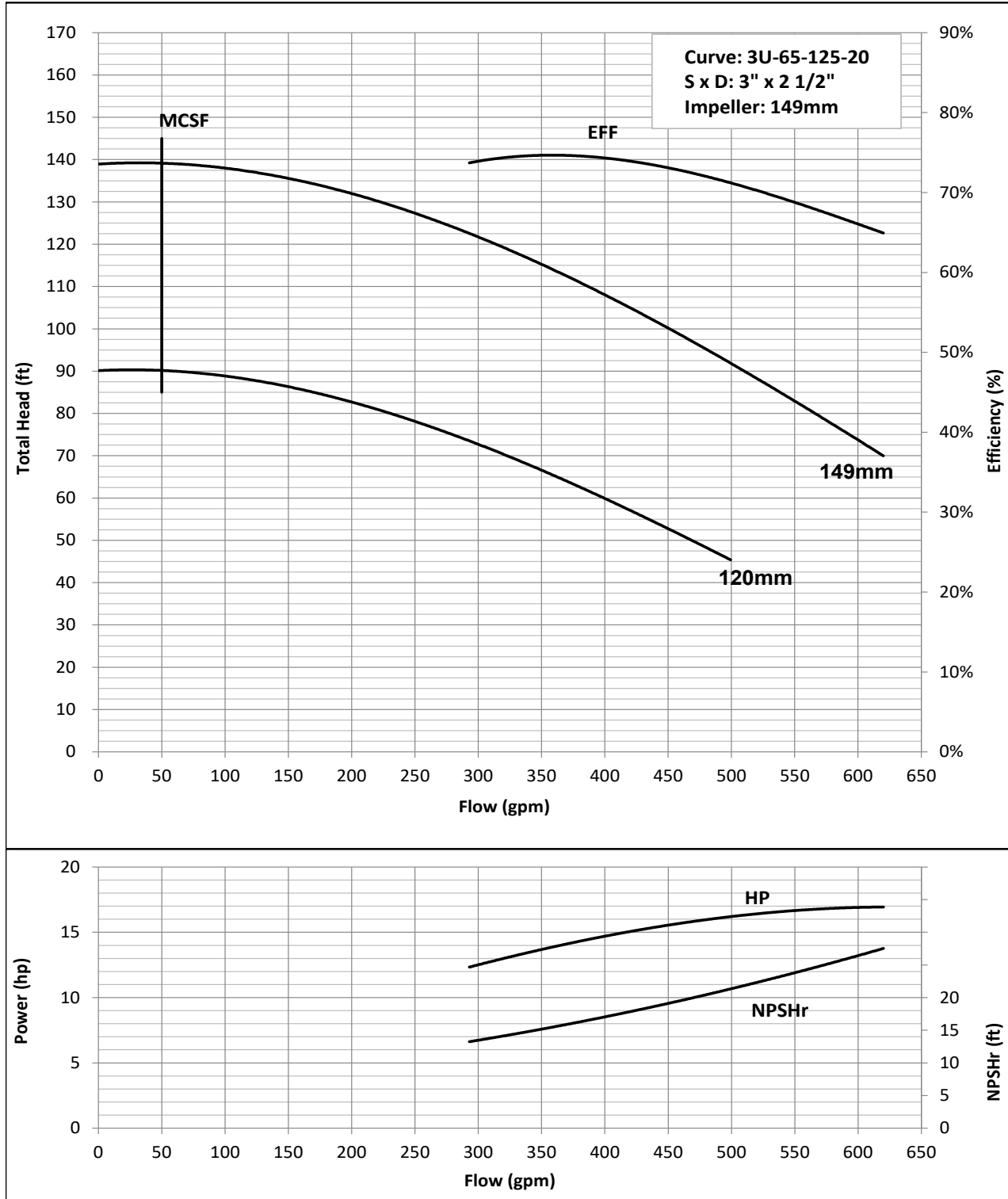
Performance Curves

3U 65-125-20HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 5⅞ (149 mm)

Model 3U-65-125/20NB PEI_{CL} 0.98 Imp. Dia. 5.87 (in)
Model A3U65125200 PEI_{CL} 0.98 Imp. Dia. 5.87 (in)



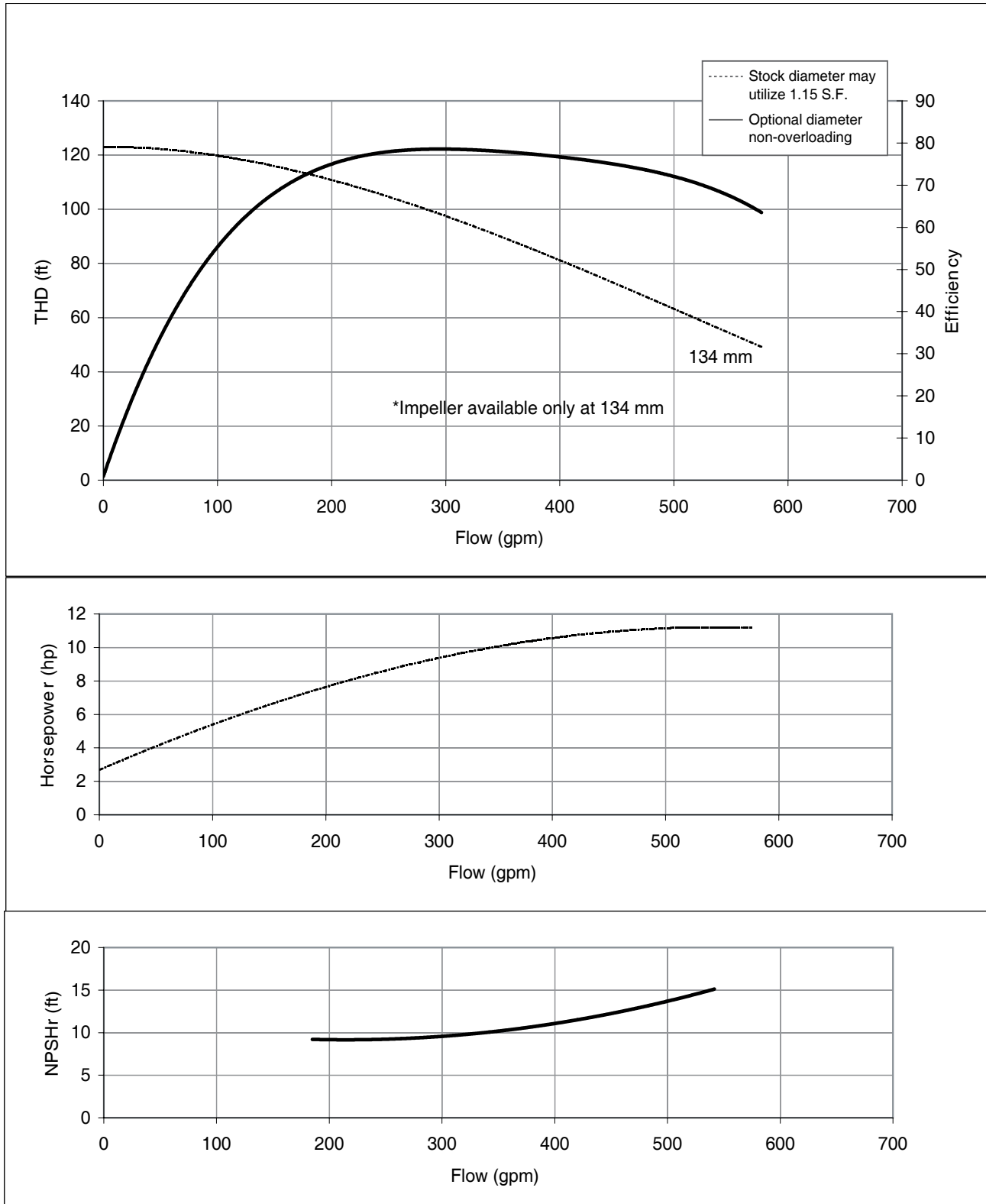
Performance Curves

3U 65-160-10HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 5¼ (134 mm)

Model 3U-65-160/10NB PEI_{CL} 0.99 Imp. Dia. 5.28 (in)
 Model A3U65160100 PEI_{CL} 0.99 Imp. Dia. 5.28 (in)



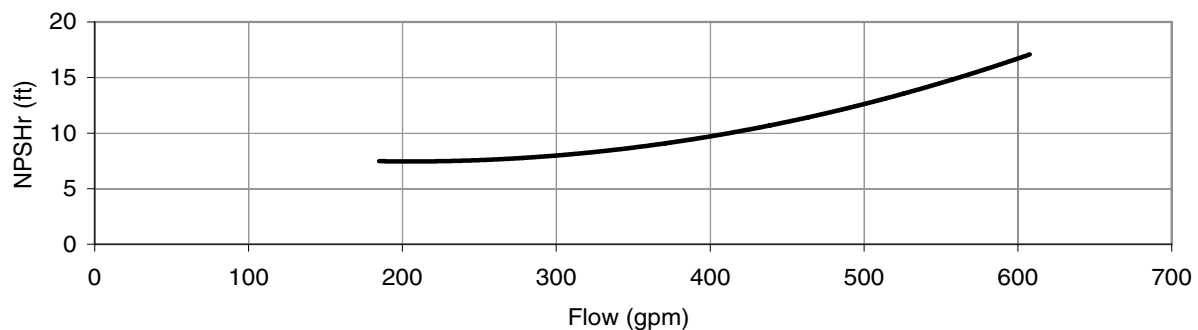
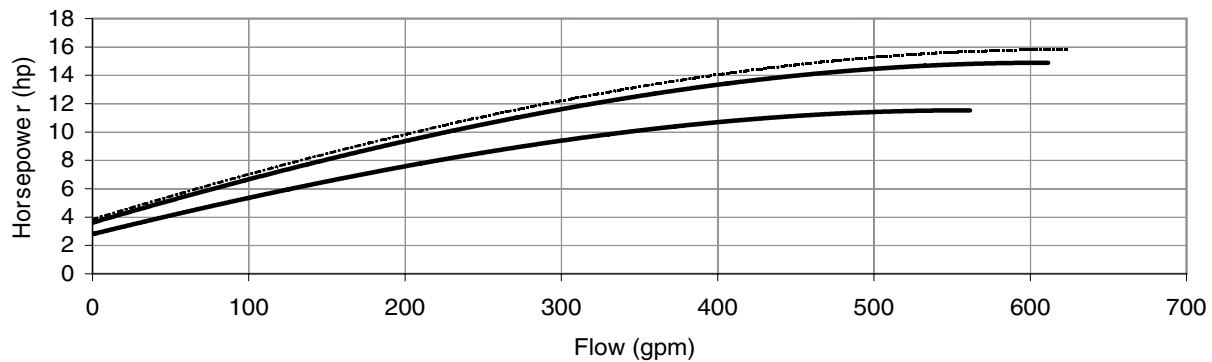
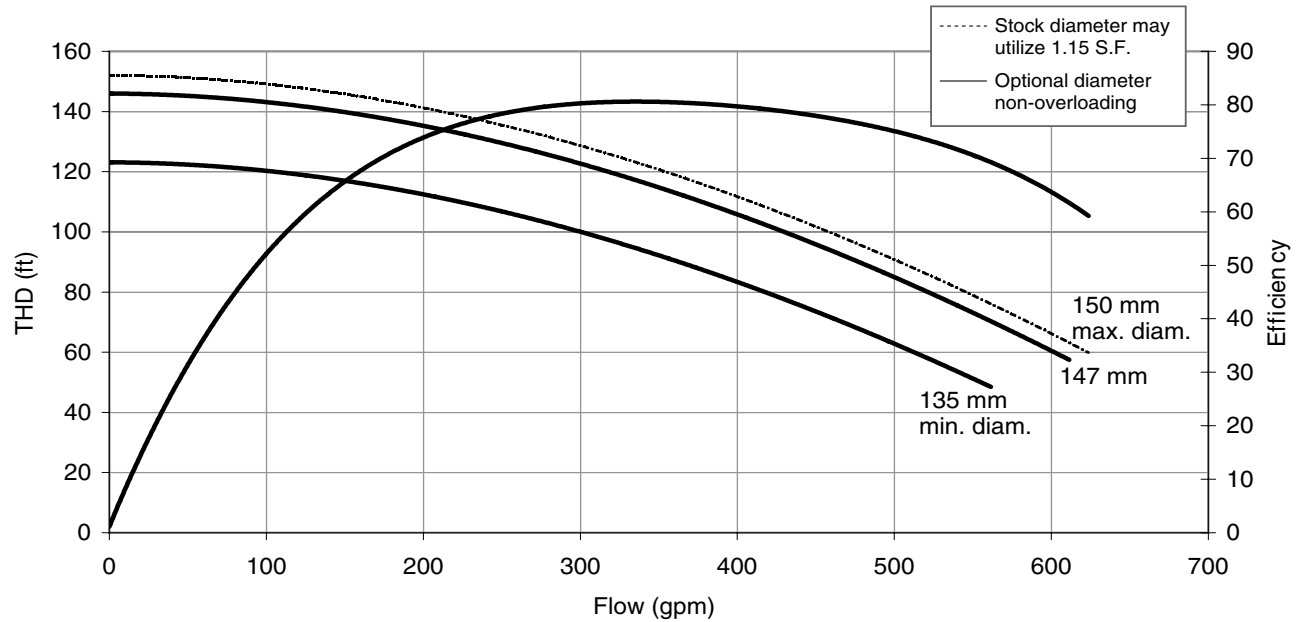
Performance Curves

3U 65-160-15HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 5¹³/₁₆ (148 mm)

Model 3U-65-160/15NB PEI_{CL} 0.99 Imp. Dia. 5.83 (in)
 Model A3U65160150 PEI_{CL} 0.99 Imp. Dia. 5.83 (in)

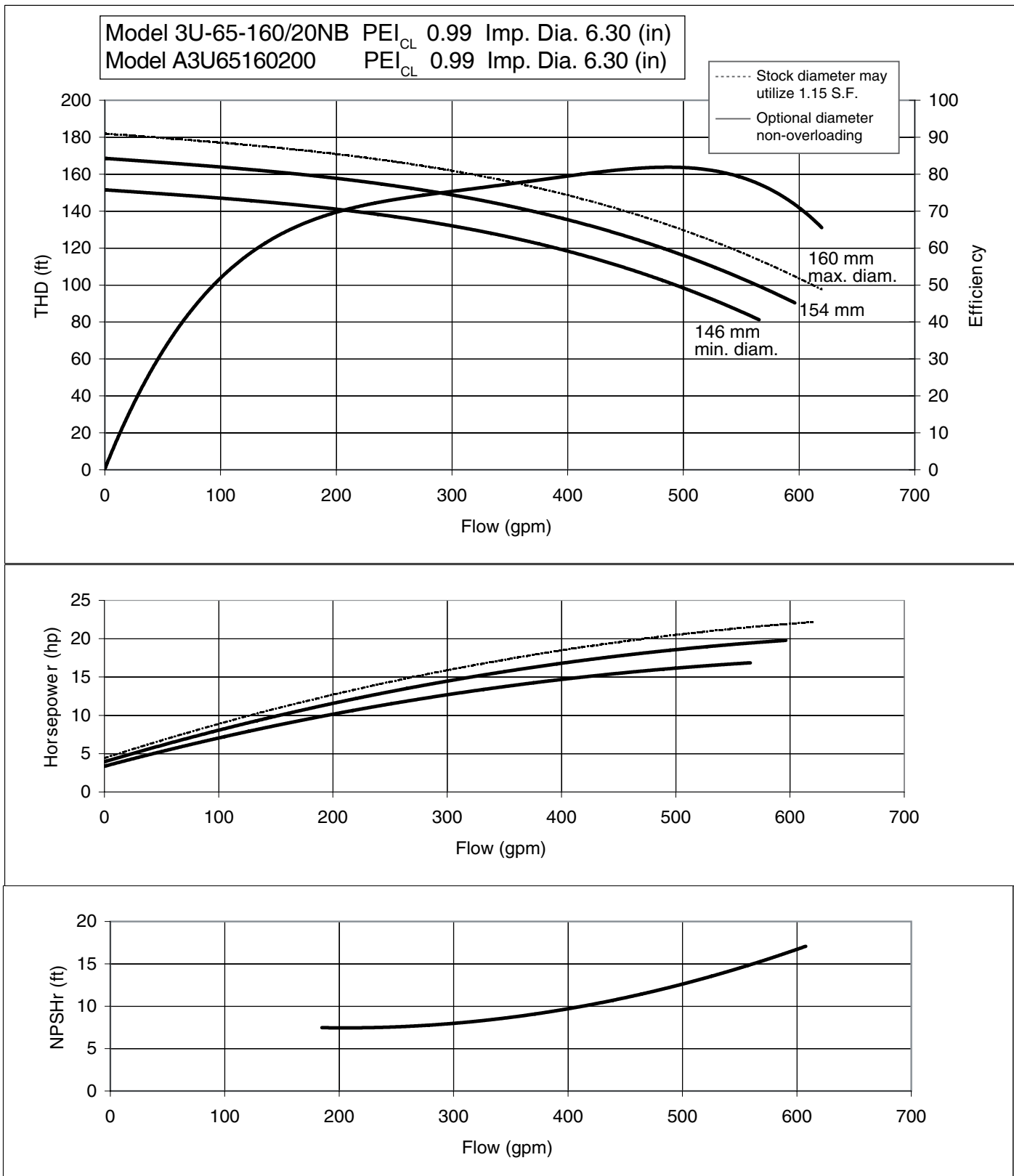


Performance Curves

3U 65-160-20HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 6⅝ (160 mm)

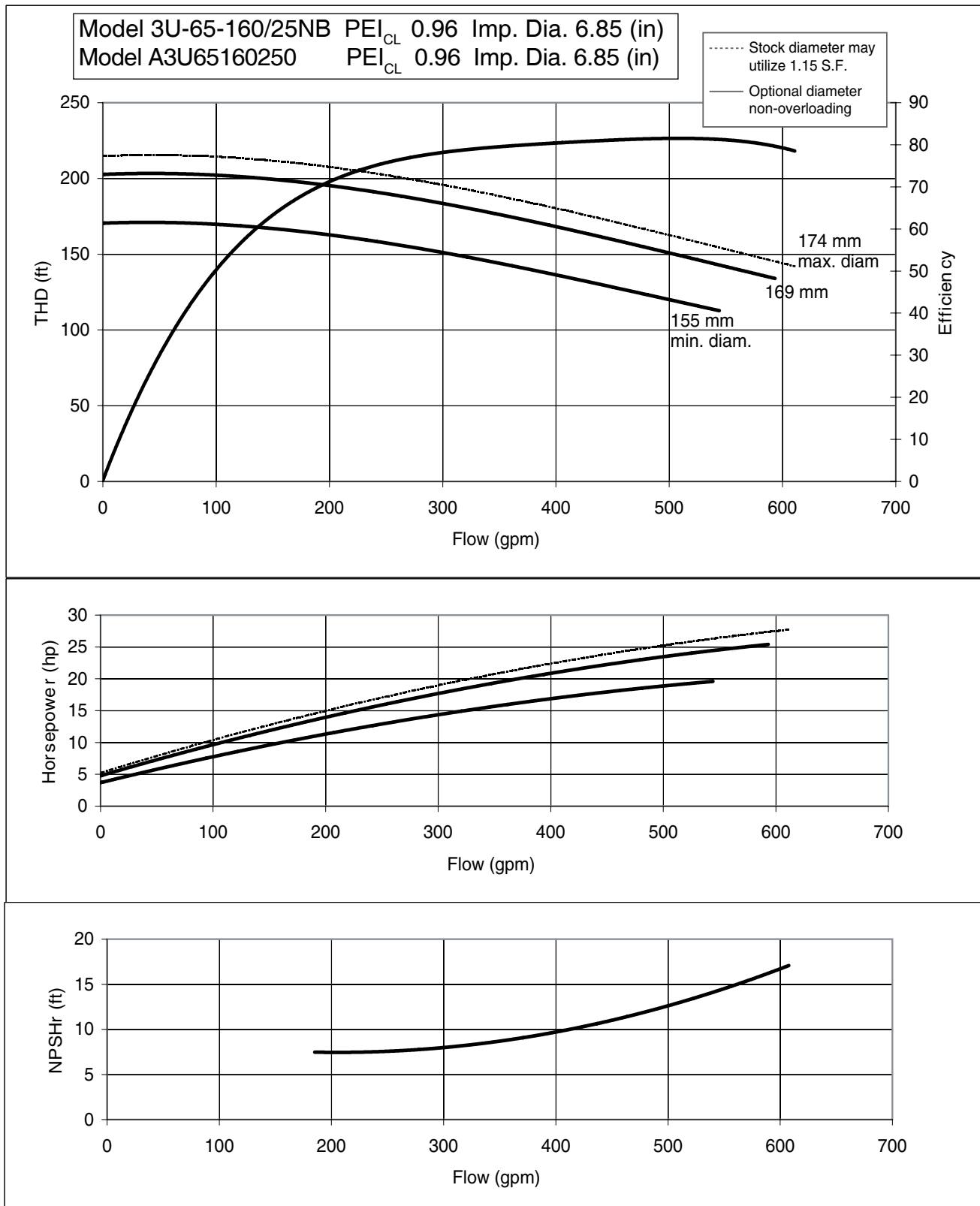


Performance Curves

3U 65-160-25HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 6⅞ (174 mm)



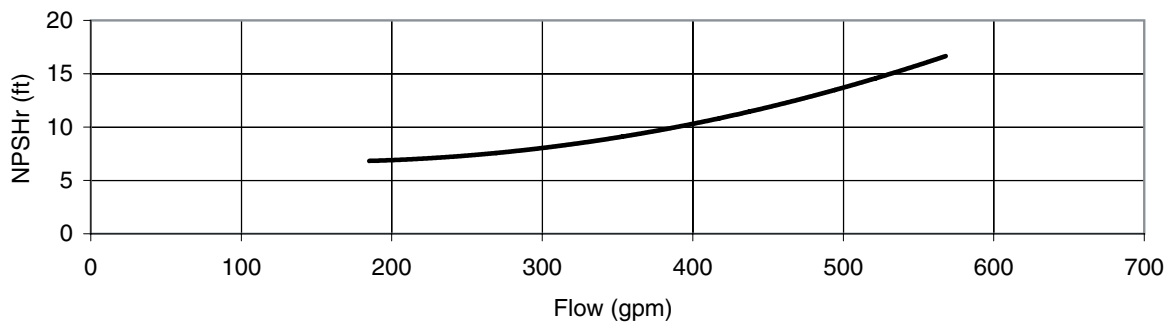
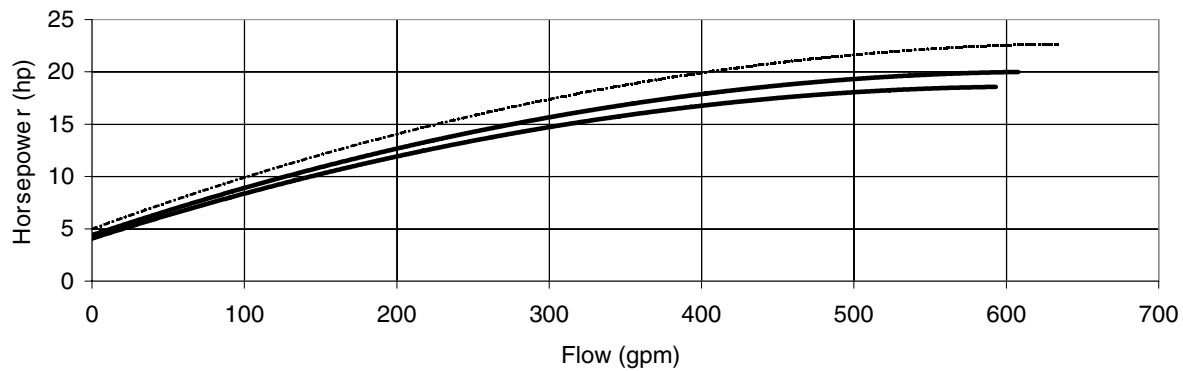
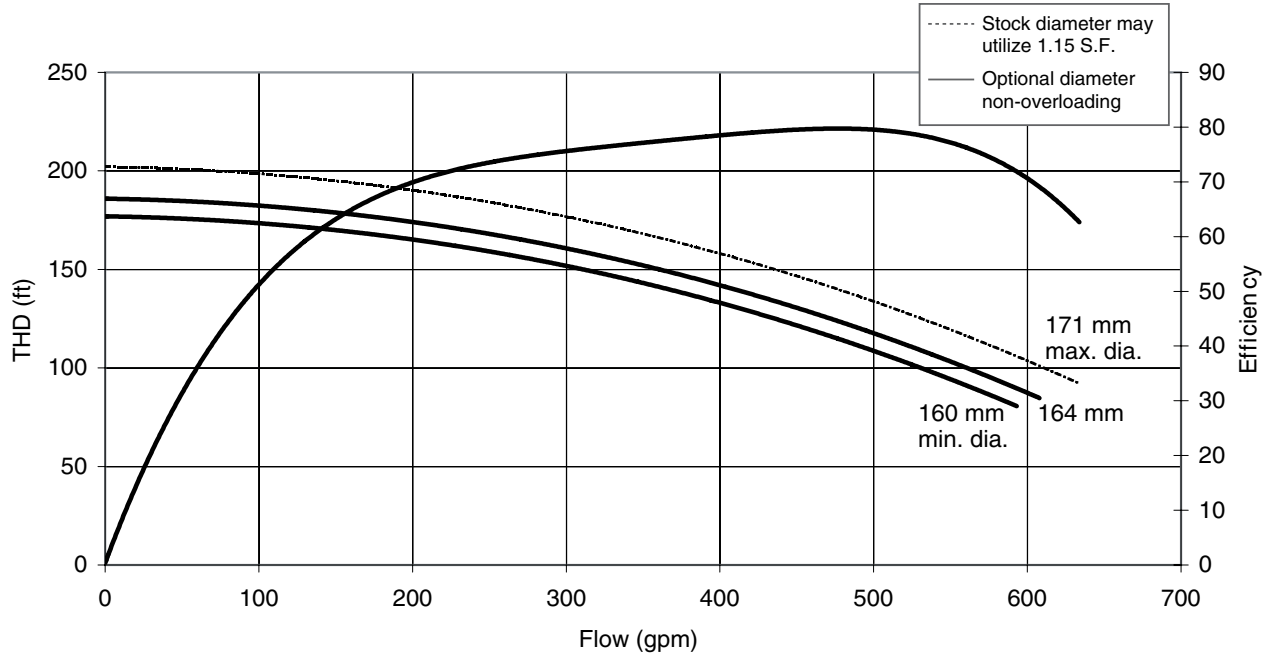
Performance Curves

3U 65-200-20HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 6¾ (171 mm)

Model 3U-65-200/20NB PEI_{CL} 0.97 Imp. Dia. 6.73 (in)
 Model A3U65200200 PEI_{CL} 0.97 Imp. Dia. 6.73 (in)

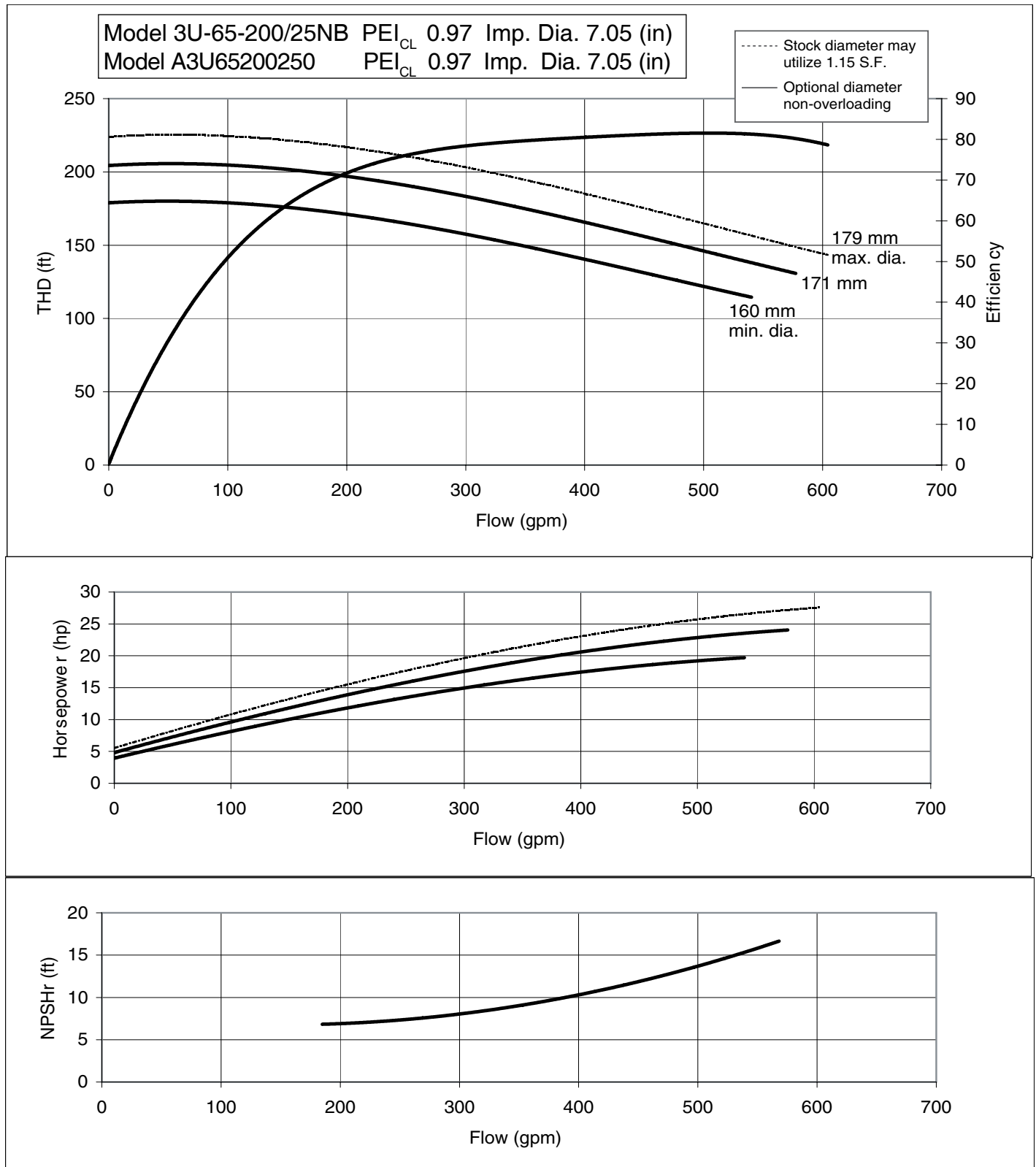


Performance Curves

3U 65-200-25HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 7⅞ (179 mm)



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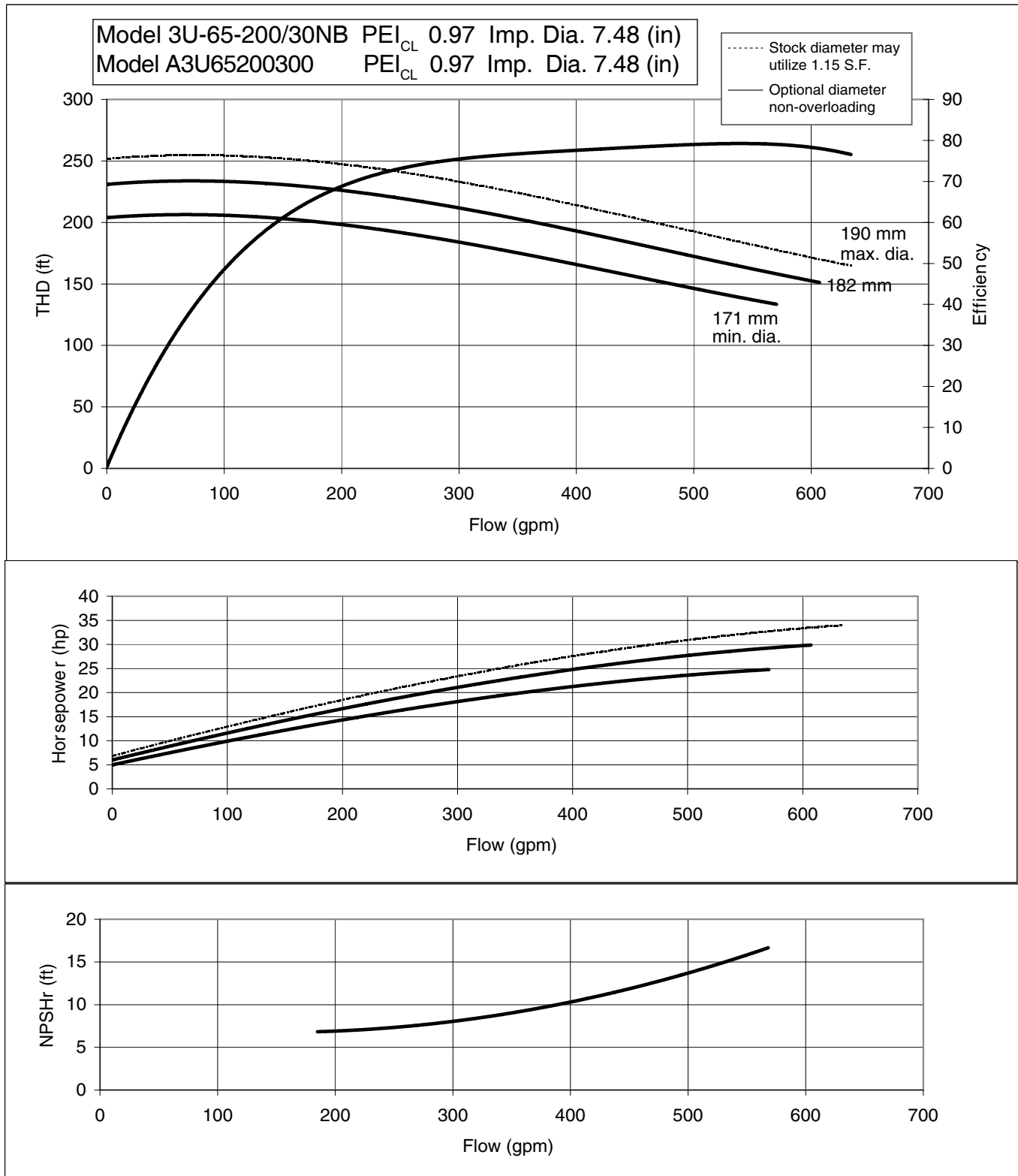
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Performance Curves

3U 65-200-30HP

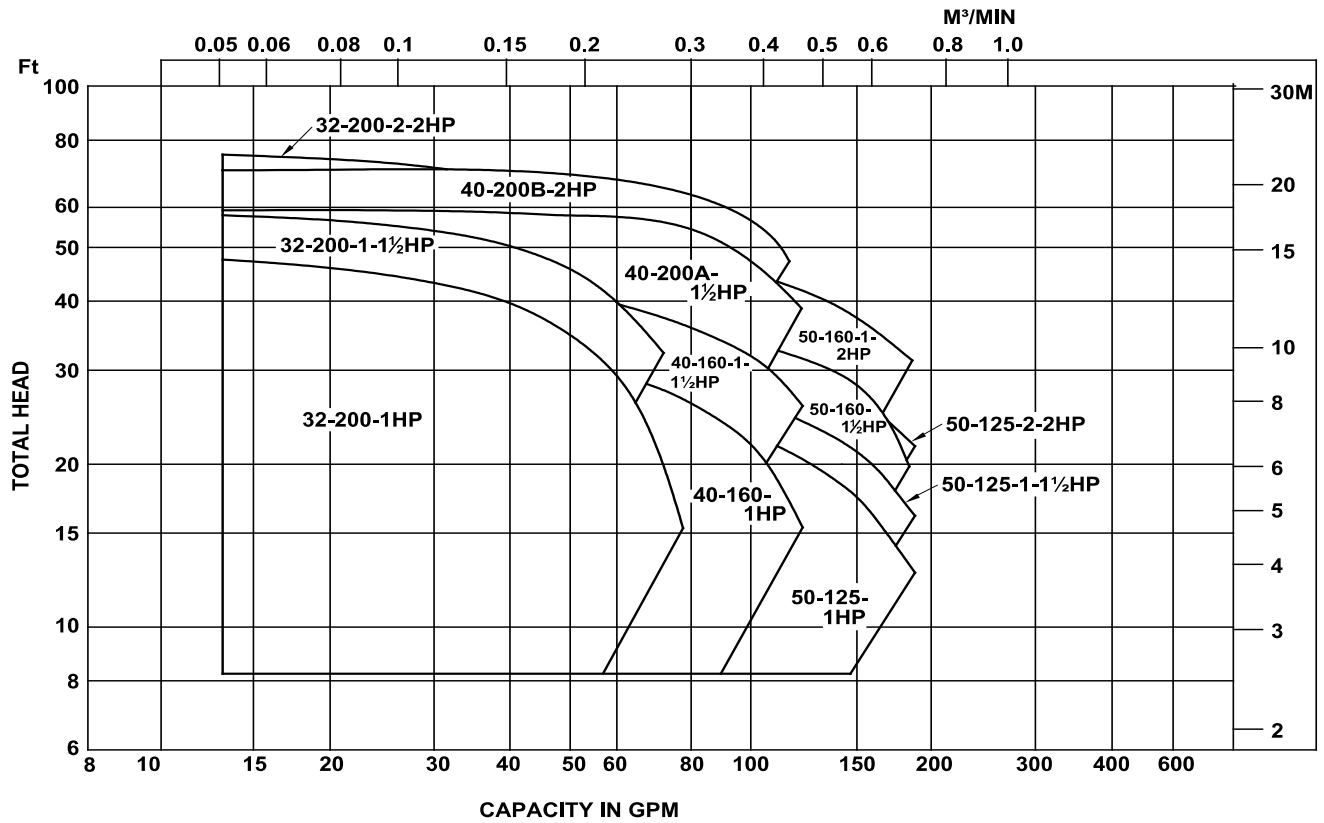
Nominal Speed: 3450 RPM

Size: 2½ x 3 x 7½ (190 mm)



Selection Chart

Nominal Speed 1725 PM



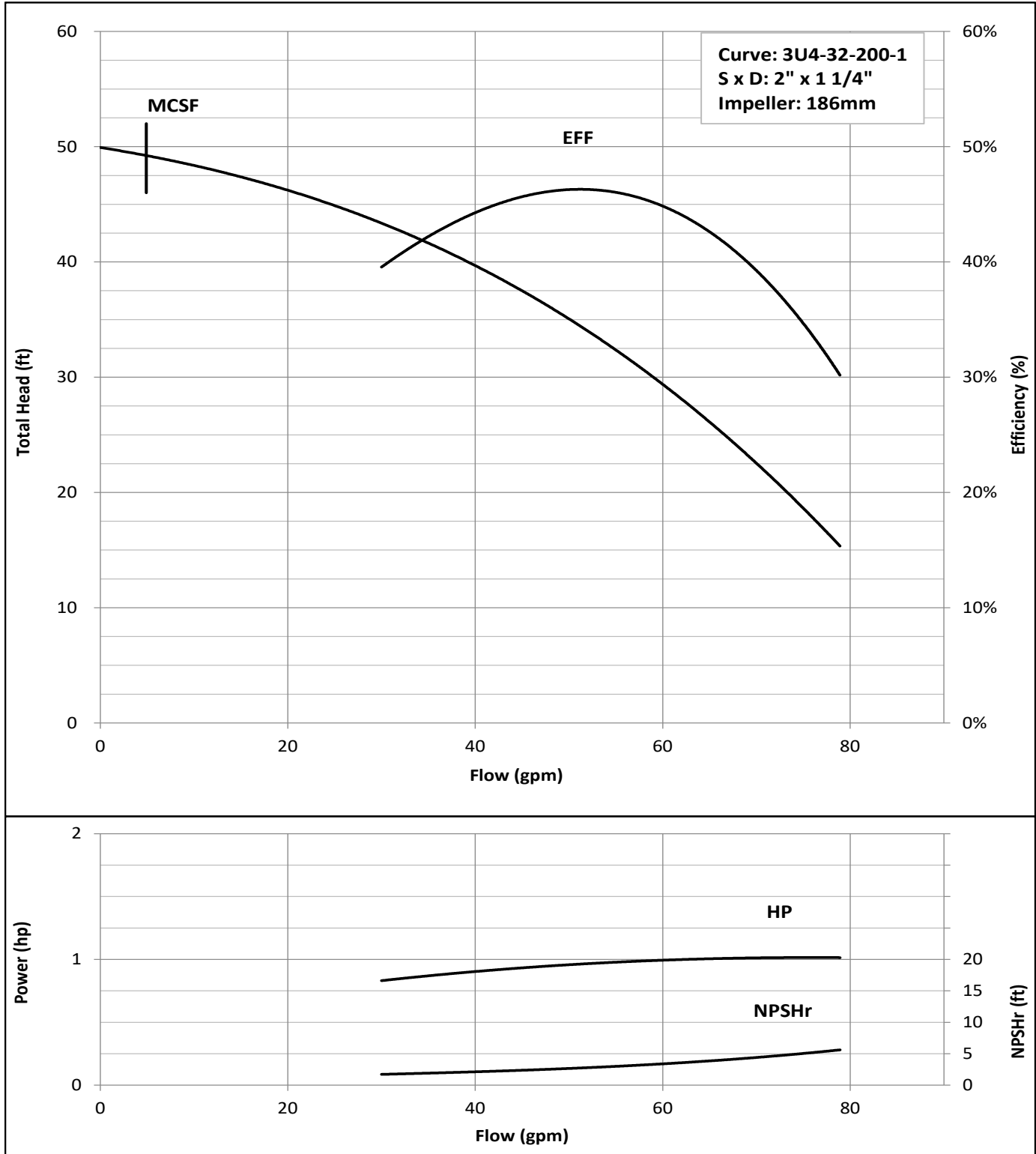
Performance Curves

3U4 32-200-1HP

Nominal Speed: 1725 RPM

Size: 1¼ x 2 x 7⁵⁄₁₆

Model 3U4-32-200NB PEI_{CL} 0.96 Imp. Dia. 7.32 (in)
Model A3U43220010 PEI_{CL} 0.96 Imp. Dia. 7.32 (in)



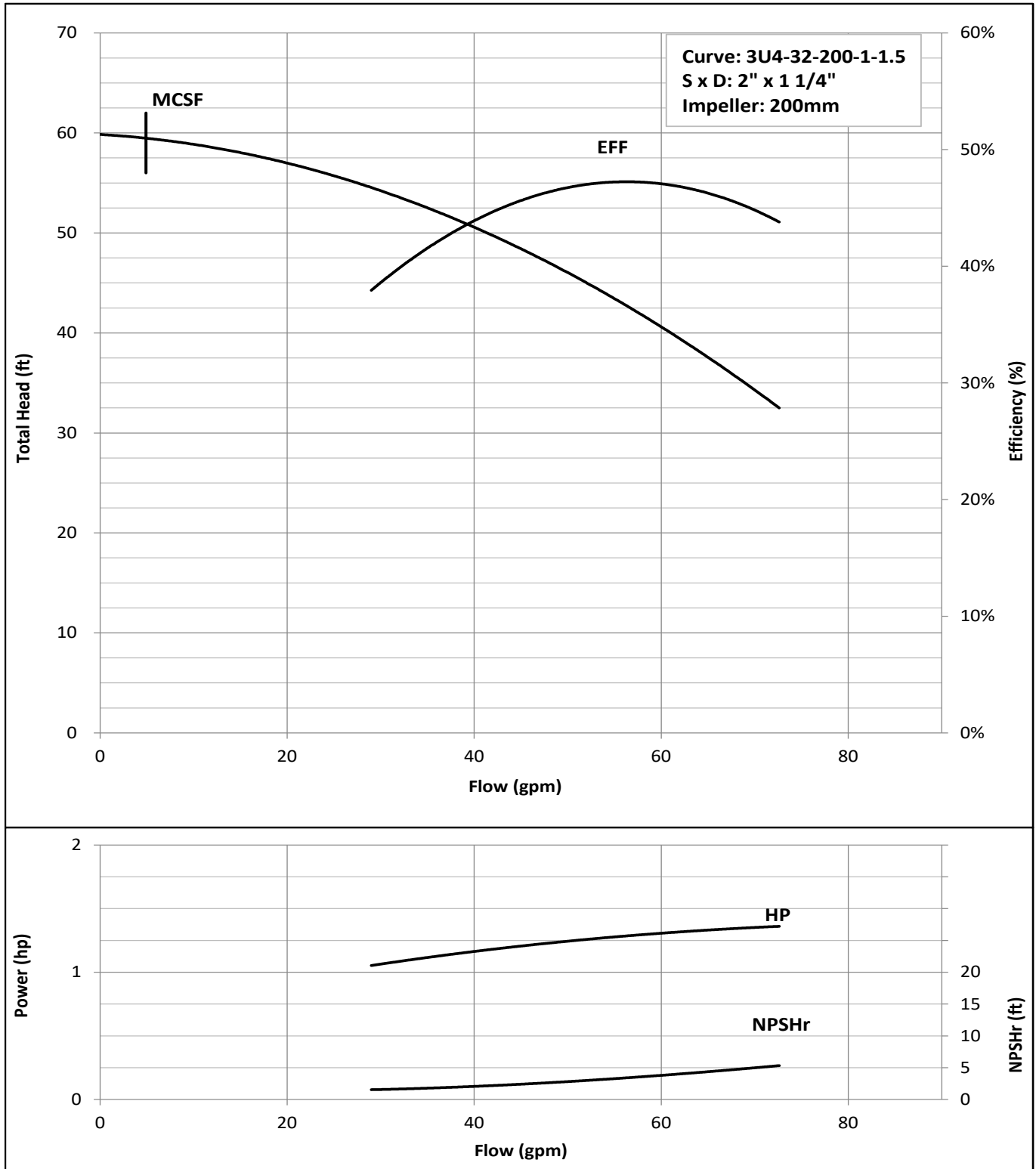
Performance Curves

3U4 32-200-1-1½HP

Nominal Speed: 1725 RPM

Size: 1¼ x 2 x 7⅞

Model 3U4-32-200-1NB PEI_{CL} 0.96 Imp. Dia. 7.87 (in)
 Model A3U432200115 PEI_{CL} 0.96 Imp. Dia. 7.87 (in)



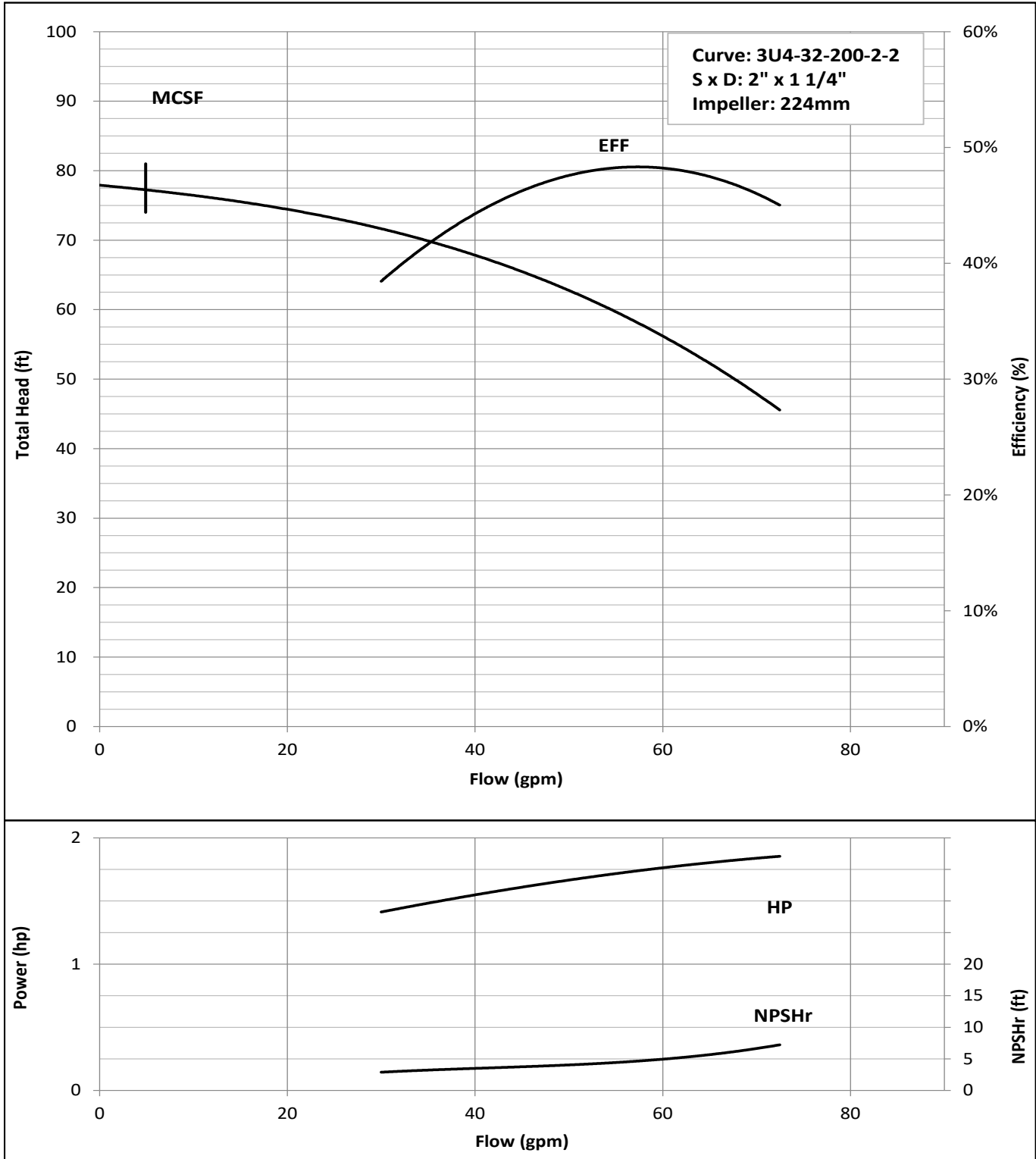
Performance Curves

3U4 32-200-2-2HP

Nominal Speed: 1725 RPM

Size: 1¼ x 2 x 8¹³/₁₆

Model 3U4-32-200-2NB PEI_{CL} 0.96 Imp. Dia. 8.82 (in)
Model A3U432200220 PEI_{CL} 0.96 Imp. Dia. 8.82 (in)



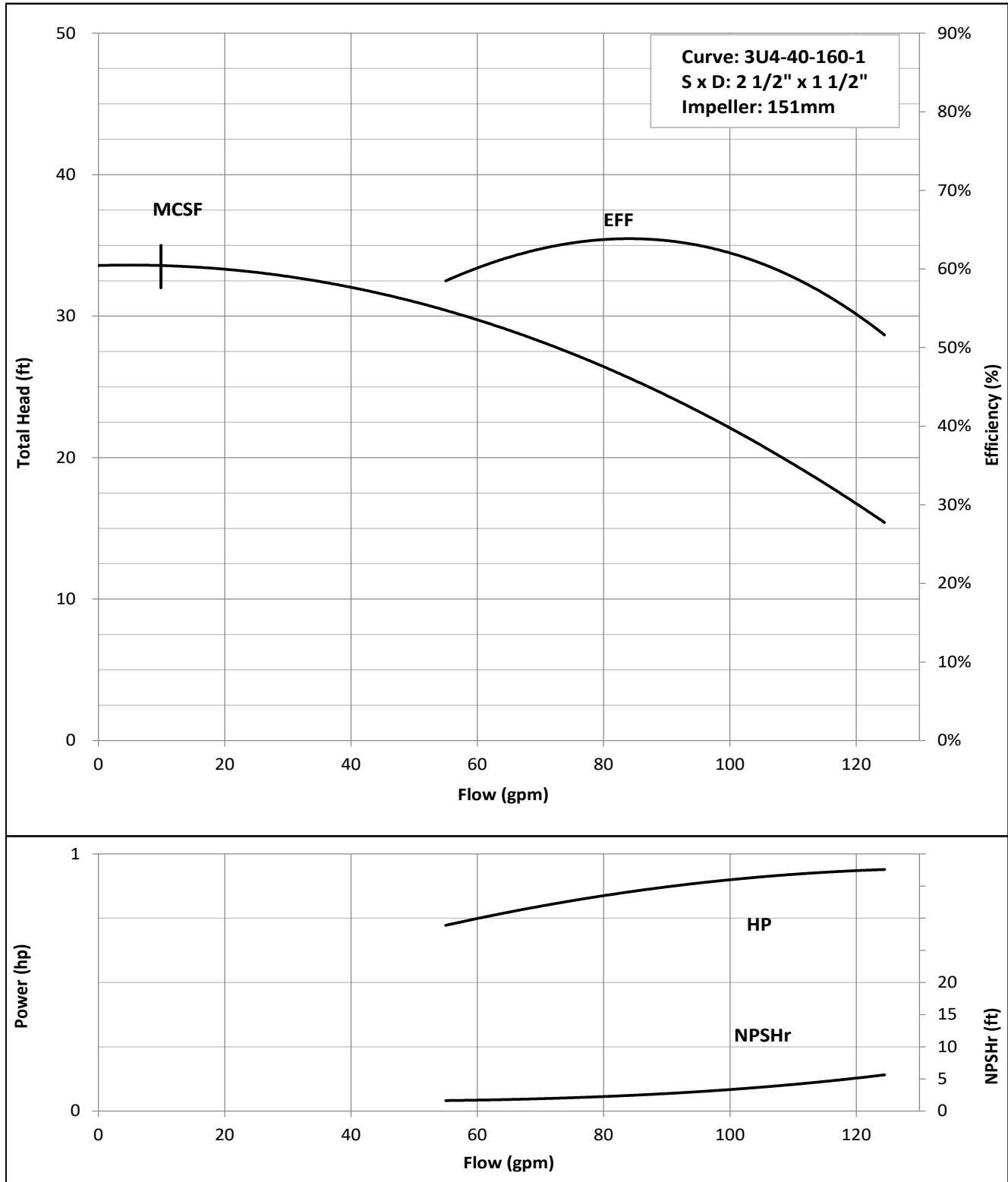
Performance Curves

3U4 40-160-1HP

Nominal Speed: 1725 RPM

Size: 1½ x 2½ x 5¹⁵/₁₆

Model 3U4-40-160NB PEI_{CL} 0.95 Imp. Dia. 5.94 (in)
Model A3U44016010 PEI_{CL} 0.95 Imp. Dia. 5.94 (in)



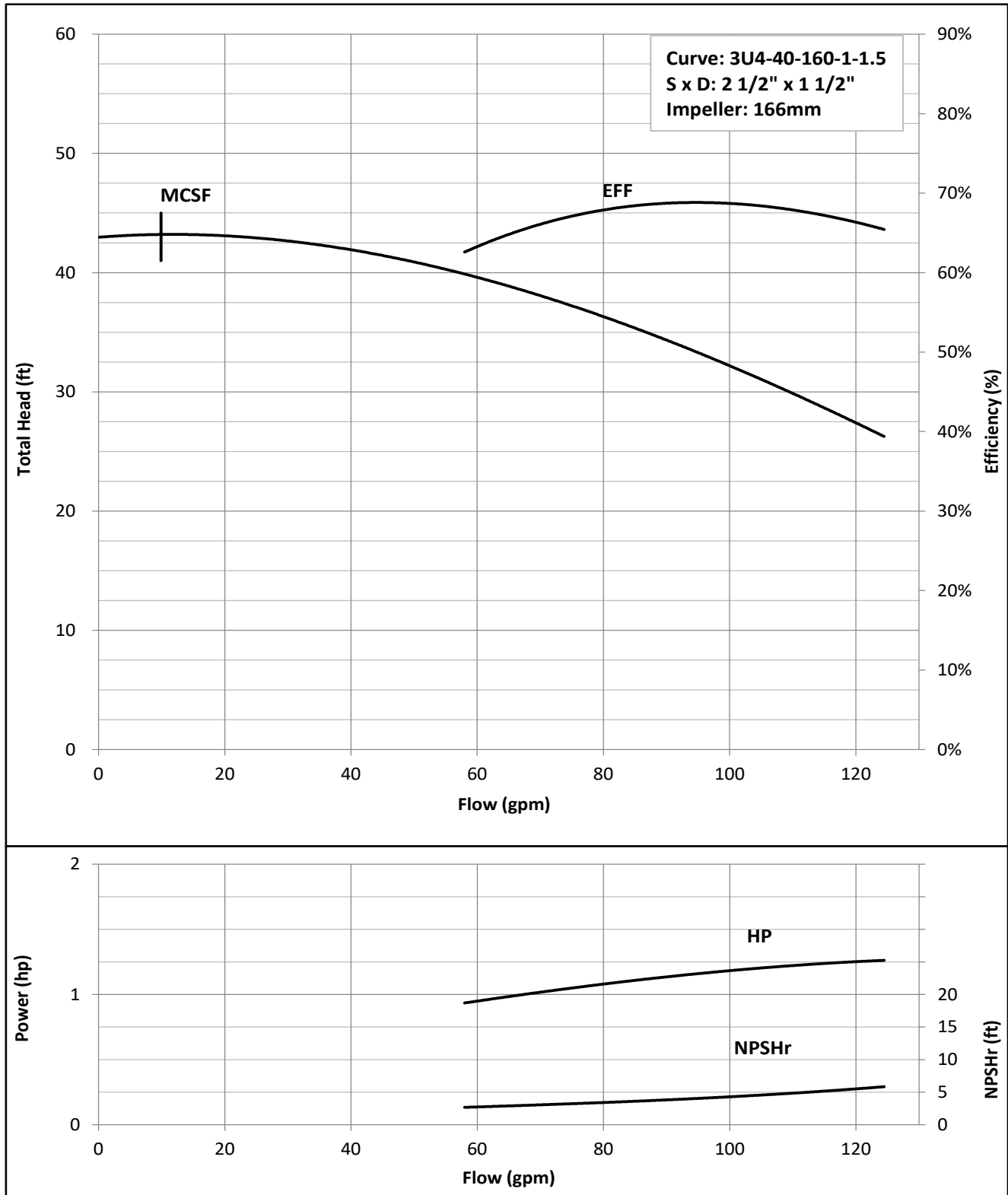
Performance Curves

3U4 40-160-1-1½HP

Nominal Speed: 1725 RPM

Size: 1½ x 2½ x 6½

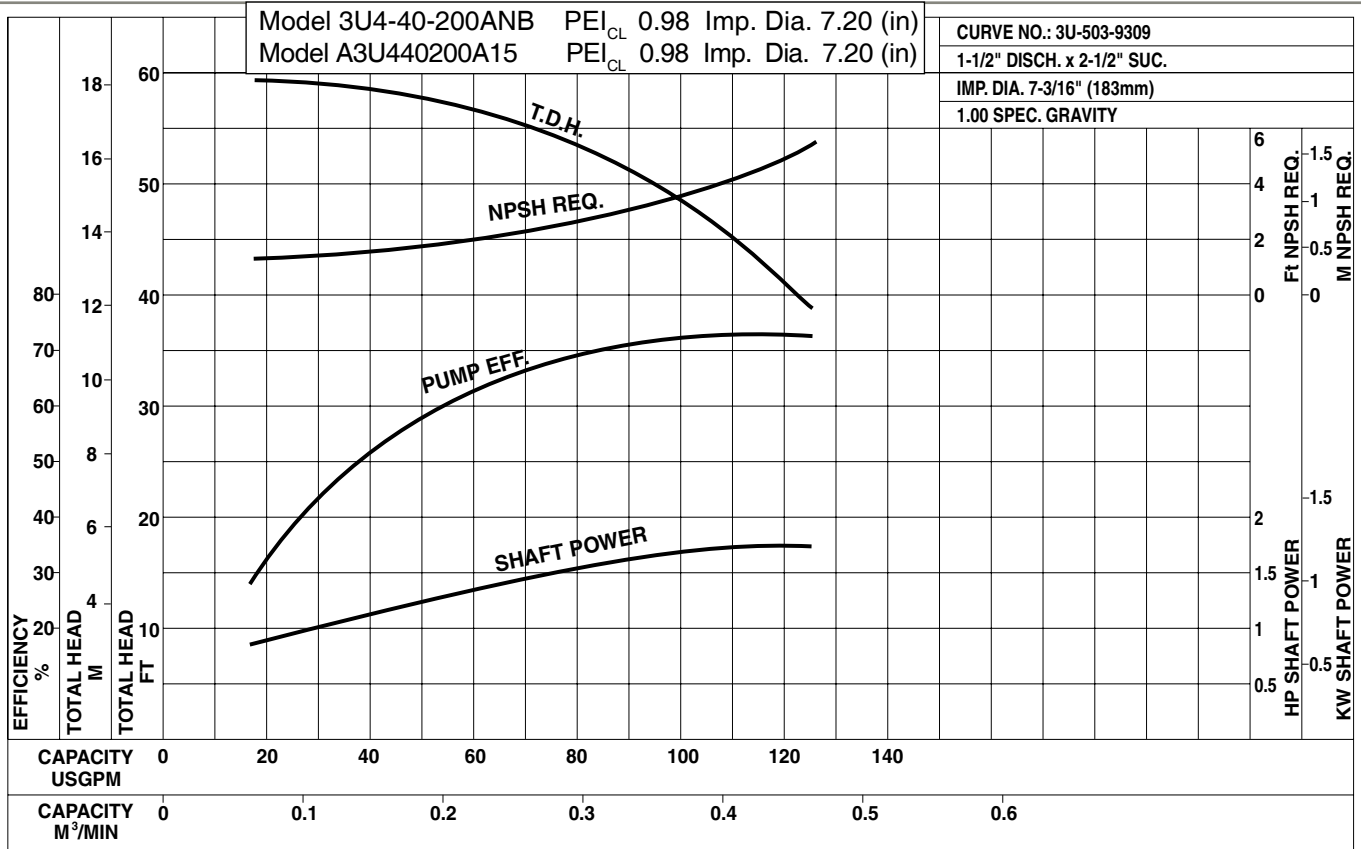
Model 3U4-40-160-1NB PEI_{CL} 0.95 Imp. Dia. 6.54 (in)
 Model A3U440160115 PEI_{CL} 0.95 Imp. Dia. 6.54 (in)



3U4 40-200A-1½HP

Nominal Speed: 1725 RPM

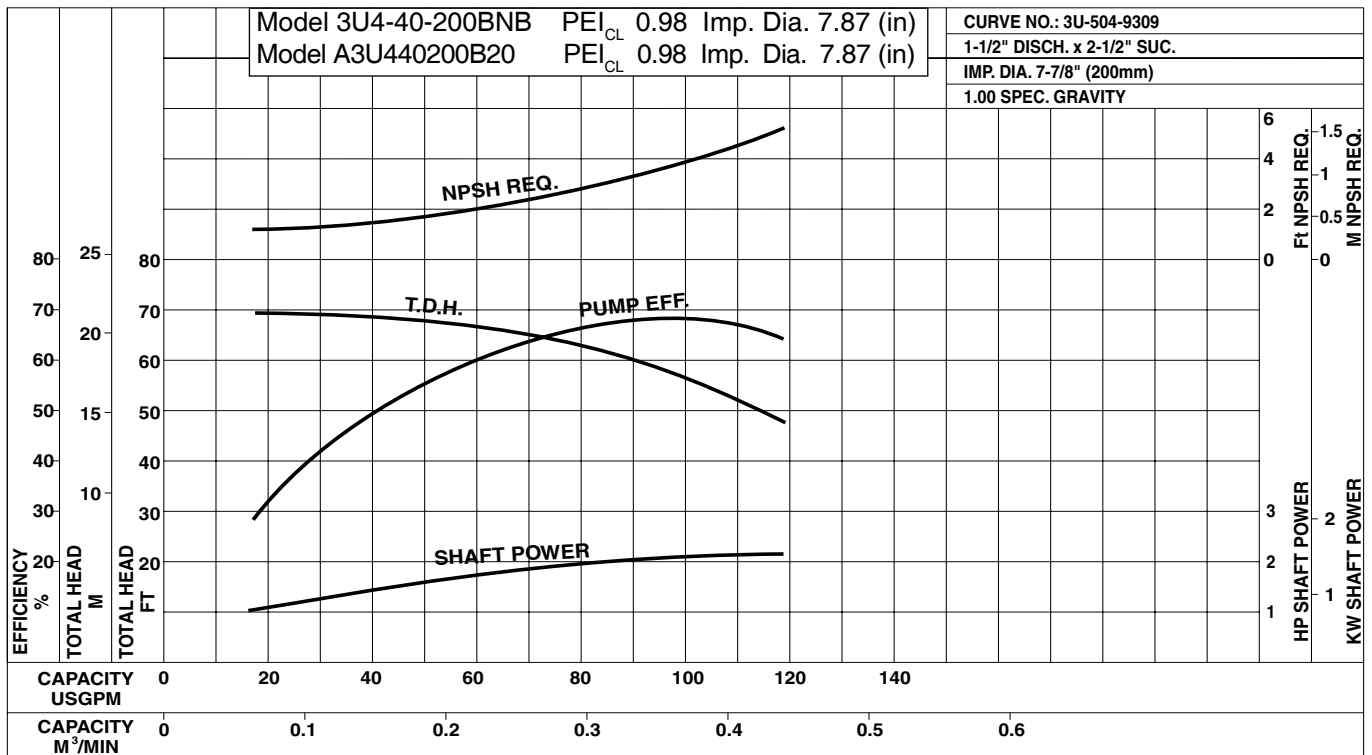
Size: 1½ x 2½ x 7¾



3U4 40-200B-2HP

Nominal Speed: 1725 RPM

Size: 1½ x 2½ x 7¾



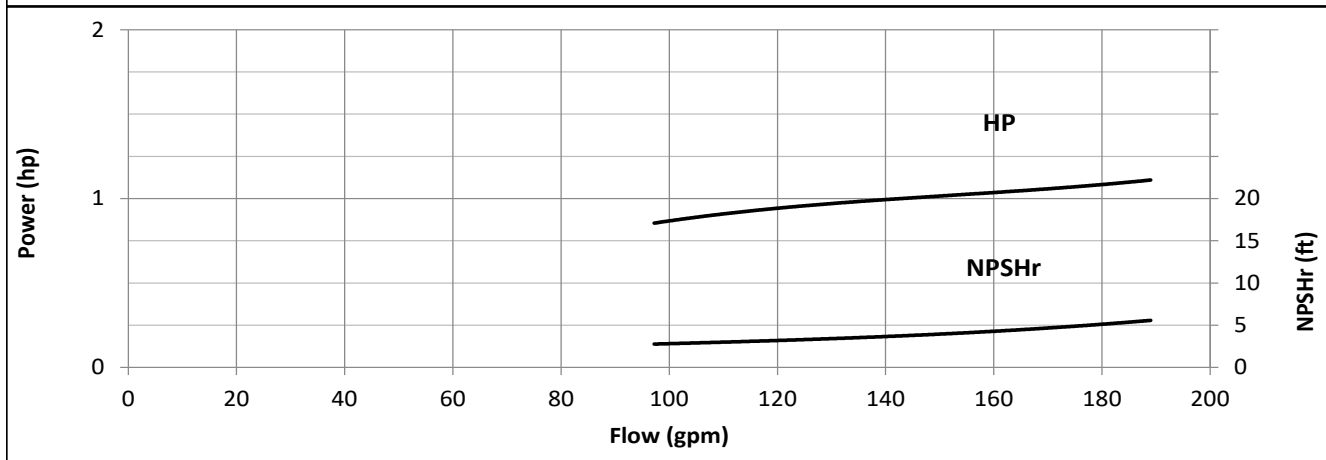
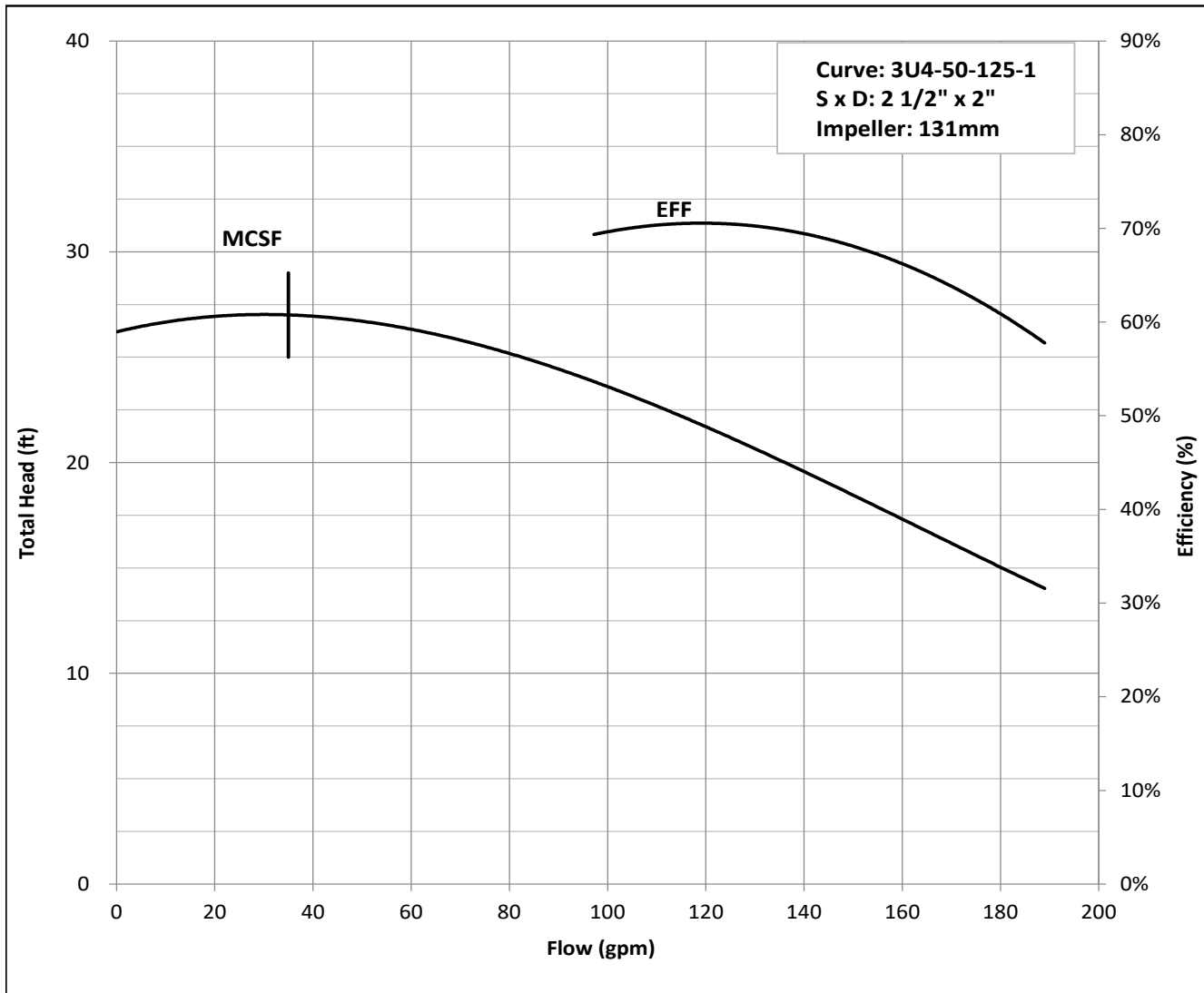
Performance Curves

3U4 50-125-1HP

Nominal Speed: 1725 RPM

Size: 2 x 2½ x 5⅜

Model 3U4-50-125NB PEI_{CL} 0.99 Imp. Dia. 5.16 (in)
 Model A3U45012510 PEI_{CL} 0.99 Imp. Dia. 5.16 (in)



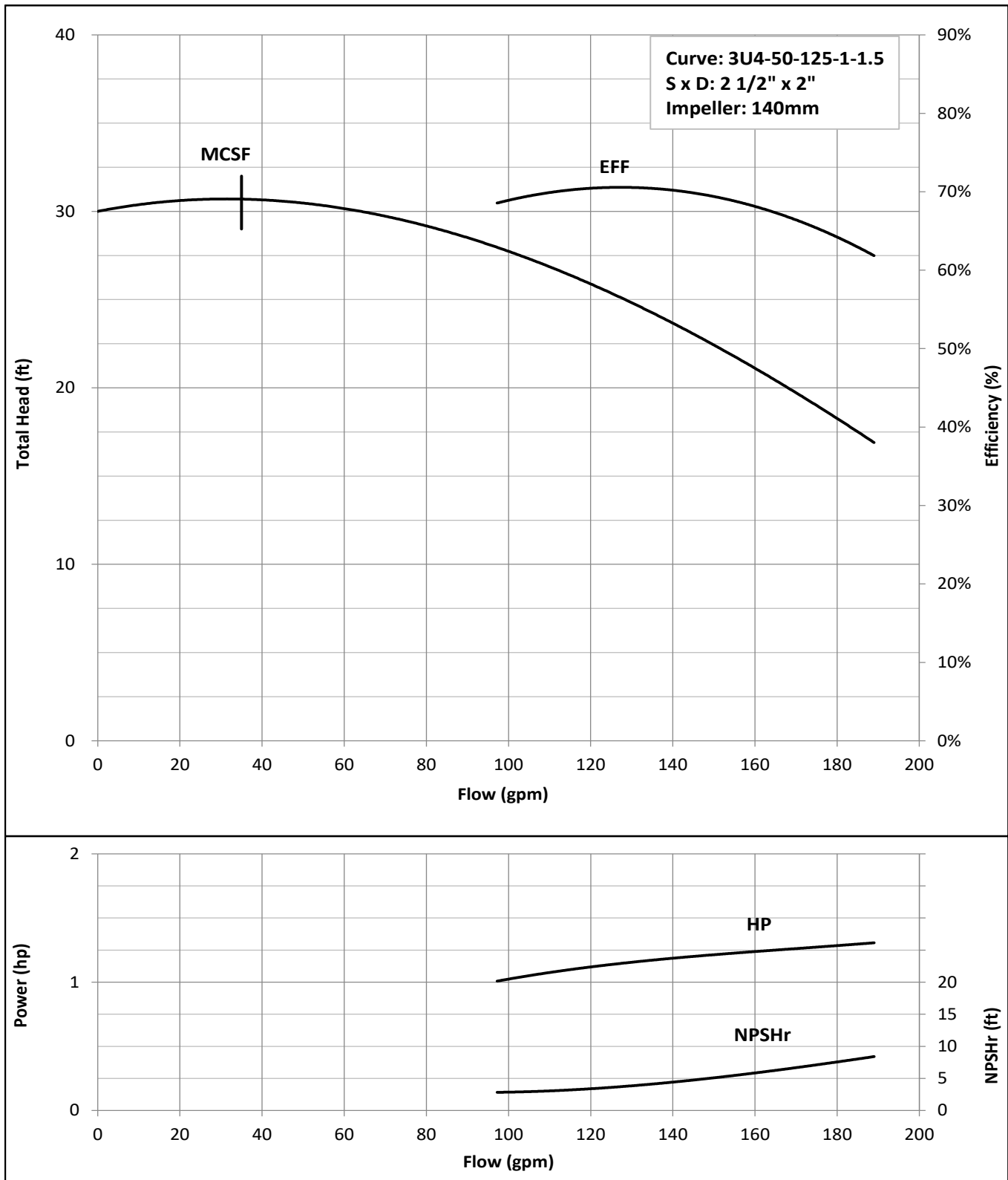
Performance Curves

3U4 50-125-1-1½HP

Nominal Speed: 1725 RPM

Size: 2 x 2½ x 5½

Model 3U4-50-125-1NB	PEI _{CL} 0.99	Imp. Dia. 5.51 (in)
Model A3U450125115	PEI _{CL} 0.99	Imp. Dia. 5.51 (in)



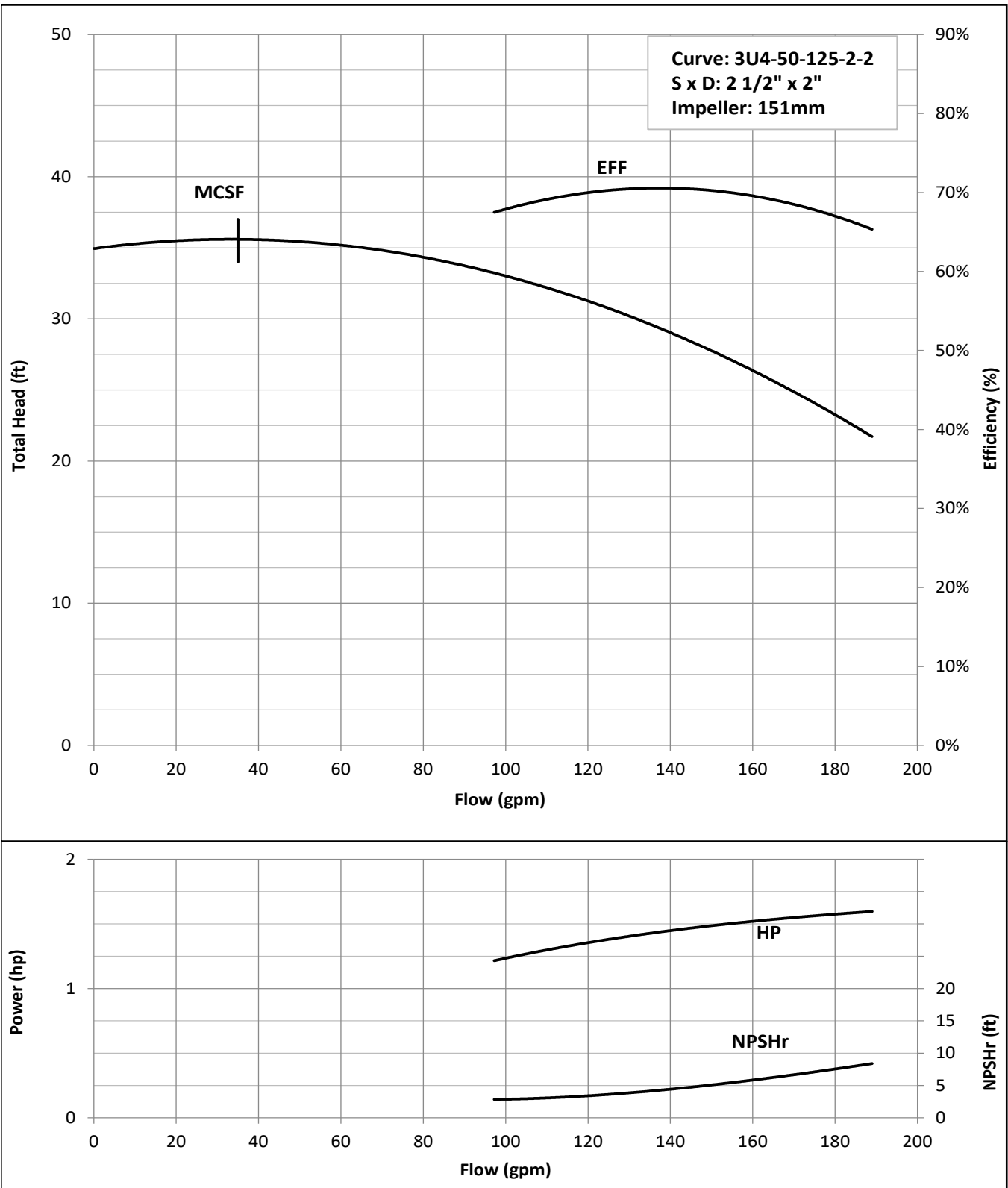
Performance Curves

3U4 50-125-2-2HP

Nominal Speed: 1725 RPM

Size: 2 x 2½ x 5¹⁵/₁₆

Model 3U4-50-125-2NB	PEI _{CL} 0.99	Imp. Dia. 5.94 (in)
Model A3U450125220	PEI _{CL} 0.99	Imp. Dia. 5.94 (in)

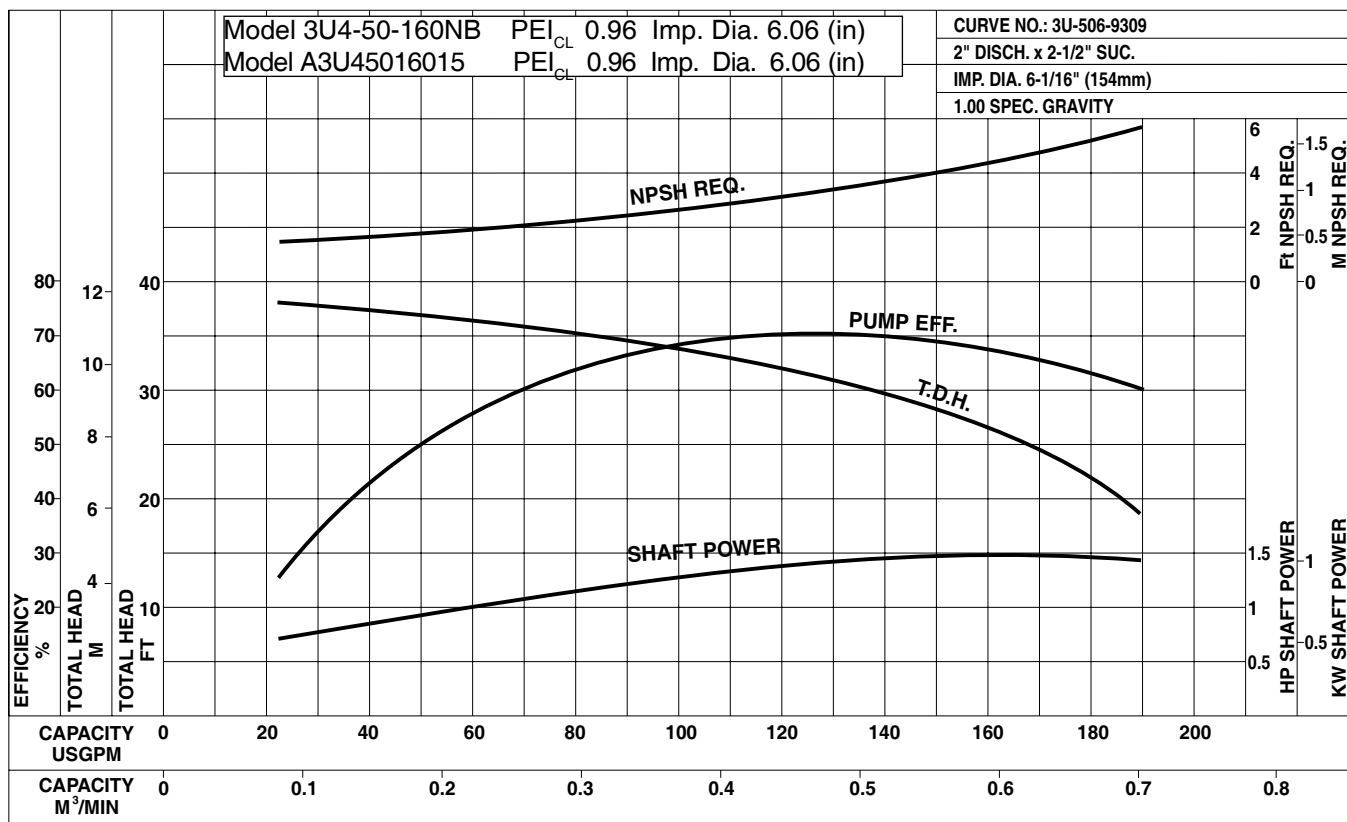


Performance Curves

3U4 50-160-1½HP

Nominal Speed: 1725 RPM

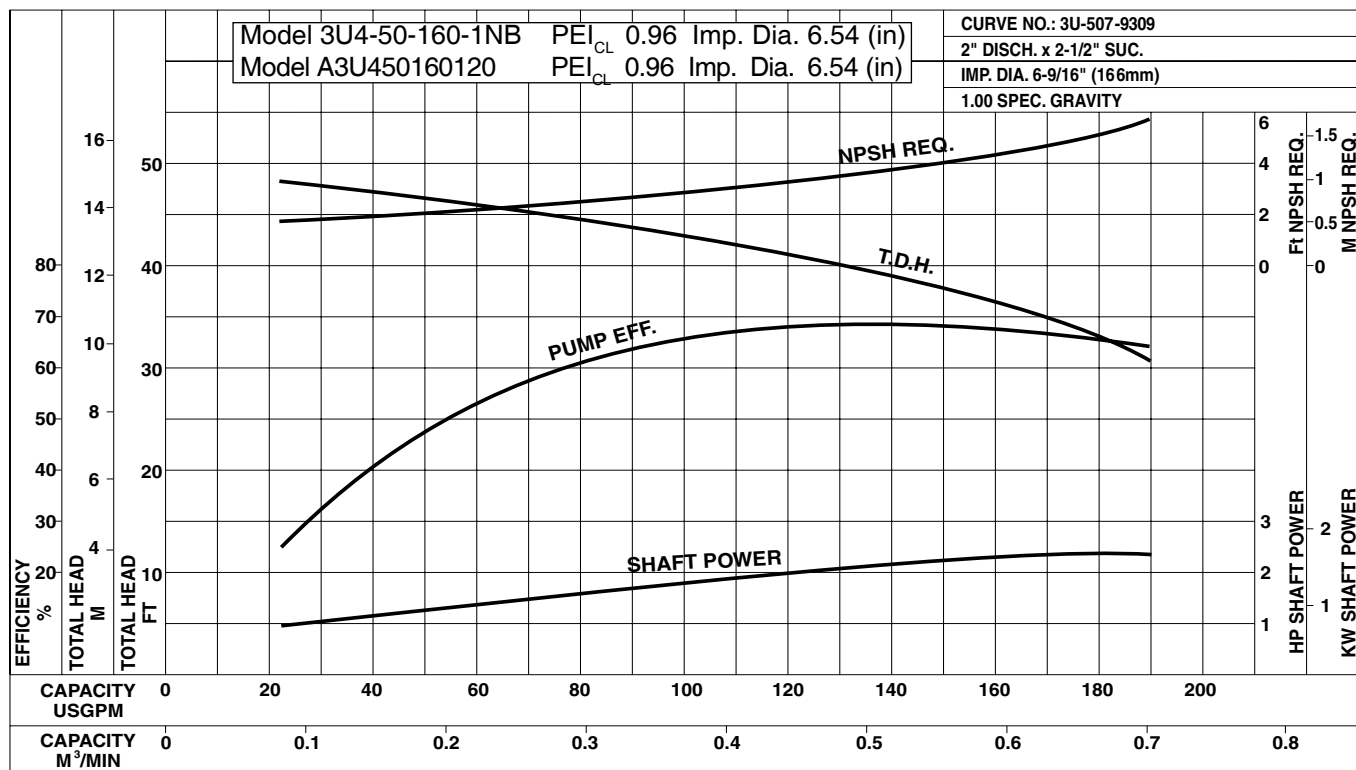
Size: 2 x 2½ x 6⅛



3U4 50-160-1-2HP

Nominal Speed: 1725 RPM

Size: 2 x 2½ x 6⅞

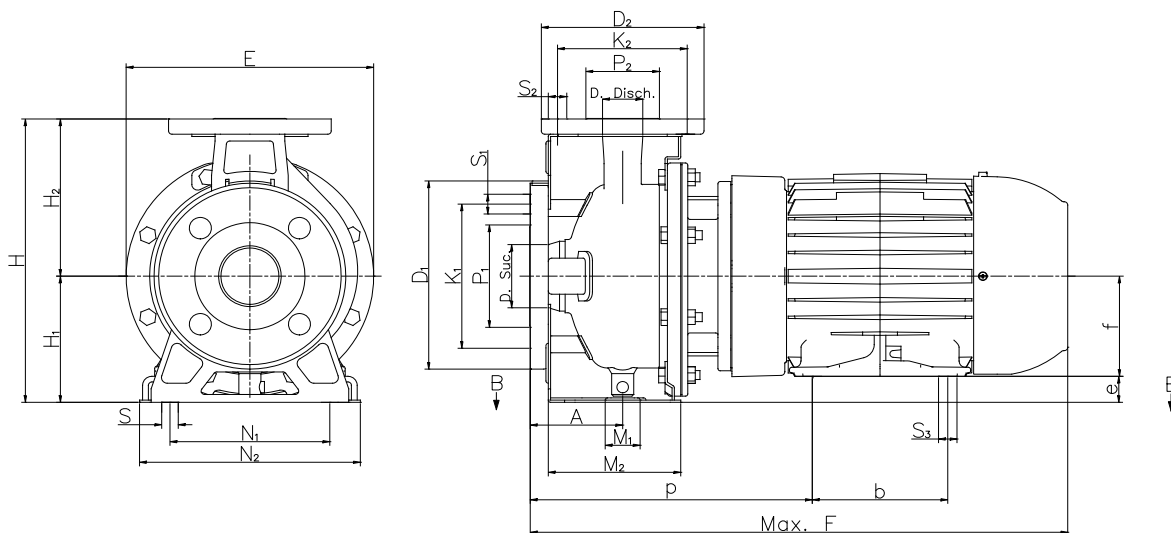


EBARA PUMPS AMERICAS CORPORATION

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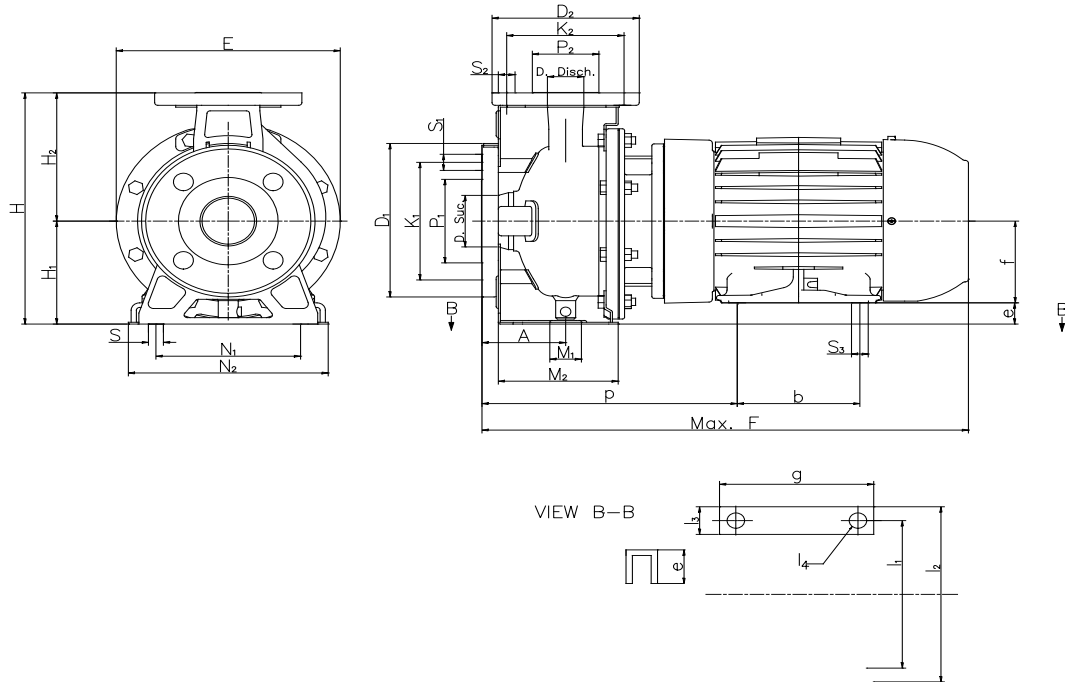
(t) 803.327.5005 (f) 803.327.5097

Pump Dimensions



Unit: inch

Model	Size	Flange										Pump										
		Suction					Discharge															
		D Suc.	P ₁	K ₁	D ₁	S ₁	D Disch.	P ₂	K ₂	D ₂	S ₂	A	E	H	H ₁	H ₂	M ₁	M ₂	N ₁	N ₂	S	
32-125-3HP	1¼ x 2 x 5½	2	3¾	4½	6½	1½	1¼	2½	3½	5½	¾	3¾	8¾	9½	4¾	5½	2¾	4½	5½	7½	¾	
32-160A-5HP	1¼ x 2 x 5½	2	3¾	4½	6½	1½	1¼	2½	3½	5½	¾	3¾	10	11½	5¾	6¾	2¾	4¾	7½	9¾	¾	
32-160B-5HP	1¼ x 2 x 6½	2	3¾	4½	6½	1½	1¼	2½	3½	5½	¾	3¾	10	11½	5¾	6¾	2¾	4¾	7½	9¾	¾	
32-200-7½HP	1¼ x 2 x 7½	2	3¾	4½	6½	1½	1¼	2½	3½	5½	¾	3¾	11½	13¾	6¾	7½	2¾	4½	7½	9¾	¾	
32-200-10HP	1¼ x 2 x 7½	2	3¾	4½	6½	1½	1¼	2½	3½	5½	¾	3¾	11½	13¾	6¾	7½	2¾	4½	7½	9¾	¾	
40-125A-5HP	1½ x 2½ x 4½	2½	4¾	5½	7¾	1½	1½	2½	3¾	5½	¾	3¾	8¾	9½	4¾	5½	2¾	4½	6¾	8¾	¾	
40-125B-5HP	1½ x 2½ x 5½	2½	4¾	5½	7¾	1½	1½	2½	3¾	5½	¾	3¾	8¾	9½	4¾	5½	2¾	4½	6¾	8¾	¾	
40-160-7½HP	1½ x 2½ x 5½	2½	4¾	5½	7¾	1½	1½	2½	3¾	5½	¾	3¾	10	11½	5¾	6¾	2¾	4¾	7½	9¾	¾	
40-160-1-10HP	1½ x 2½ x 6½	2½	4¾	5½	7¾	1½	1½	2½	3¾	5½	¾	3¾	10	11½	5¾	6¾	2¾	4¾	7½	9¾	¾	
40-200A-15HP	1½ x 2½ x 7¾	2½	4¾	5½	7¾	1½	1½	2½	3¾	5½	¾	3½	11½	13¾	6¾	7½	2¾	4½	8¾	10¾	¾	
40-200B-15HP	1½ x 2½ x 7¾	2½	4¾	5½	7¾	1½	1½	2½	3¾	5½	¾	3½	11½	13¾	6¾	7½	2¾	4½	8¾	10¾	¾	
50-125-7½HP	2 x 2½ x 5½	2½	4¾	5½	7¾	1½	2	3¾	4½	6½	1½	3½	10	11½	5¾	6¾	2¾	4½	7½	9¾	¾	
50-125-10HP	2 x 2½ x 5½	2½	4¾	5½	7¾	1½	2	3¾	4½	6½	1½	3½	10	11½	5¾	6¾	2¾	4½	7½	9¾	¾	
50-160-10HP	2 x 2½ x 6½	2½	4¾	5½	7¾	1½	2	3¾	4½	6½	1½	3½	11½	13¾	6¾	7½	2¾	4½	8¾	10¾	¾	
50-160-1-15HP	2 x 2½ x 6½	2½	4¾	5½	7¾	1½	2	3¾	4½	6½	1½	3½	11½	13¾	6¾	7½	2¾	4½	8¾	10¾	¾	

Pump Dimensions
3U 2-Pole Motor


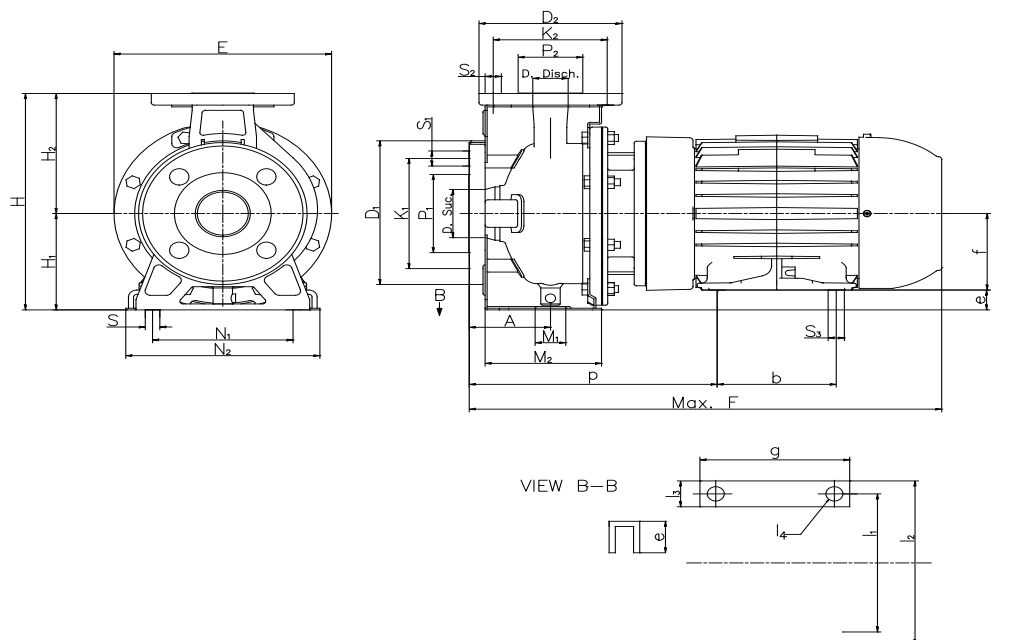
Unit: inch

Model	JM Frame	Motor									
		b	e	f	g	l ₁	l ₂	l ₃	P	S ₃	F
32-125	145JM	5	$1\frac{5}{16}$	$3\frac{1}{2}$	$5\frac{15}{16}$	$5\frac{1}{2}$	$6\frac{1}{2}$	1	$6\frac{9}{16}$	$1\frac{1}{32}$	$18\frac{5}{16}$
	182JM	$4\frac{1}{2}$	$-\frac{1}{16}$	$4\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	1	$7\frac{3}{16}$	$1\frac{3}{32}$	$19\frac{3}{16}$
32-160A/B	182JM	$4\frac{1}{2}$	$1\frac{1}{16}$	$4\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	1	$7\frac{3}{16}$	$1\frac{3}{32}$	$19\frac{3}{16}$
	184JM	$5\frac{1}{2}$	$1\frac{1}{16}$	$4\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	1	$7\frac{3}{16}$	$1\frac{3}{32}$	$20\frac{5}{8}$
32-200	184JM	$5\frac{1}{2}$	$1\frac{13}{16}$	$4\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	1	$7\frac{3}{16}$	$1\frac{3}{32}$	$22\frac{1}{8}$
	213JM	$5\frac{1}{2}$	$1\frac{1}{16}$	$5\frac{1}{4}$	8	$8\frac{1}{2}$	$9\frac{1}{2}$	1	$8\frac{3}{16}$	$1\frac{3}{32}$	$20\frac{3}{4}$
	215JM	7	$1\frac{1}{16}$	$5\frac{1}{4}$	8	$8\frac{1}{2}$	$9\frac{1}{2}$	1	$8\frac{3}{16}$	$1\frac{3}{32}$	$21\frac{1}{8}$
40-125A/B	182JM	$4\frac{1}{2}$	$-\frac{1}{16}$	$4\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	1	$7\frac{3}{16}$	$1\frac{3}{32}$	$19\frac{3}{16}$
	184JM	$5\frac{1}{2}$	$-\frac{1}{16}$	$4\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	1	$7\frac{3}{16}$	$1\frac{3}{32}$	$20\frac{3}{4}$
40-160	184JM	$5\frac{1}{2}$	$1\frac{1}{16}$	$4\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	1	$7\frac{3}{16}$	$1\frac{3}{32}$	$22\frac{1}{8}$
	213JM	$5\frac{1}{2}$	$-\frac{1}{16}$	$5\frac{1}{4}$	8	$8\frac{1}{2}$	$9\frac{1}{2}$	1	$8\frac{3}{16}$	$1\frac{3}{32}$	$20\frac{3}{4}$
	215JM	7	$-\frac{1}{16}$	$5\frac{1}{4}$	8	$8\frac{1}{2}$	$9\frac{1}{2}$	1	$8\frac{3}{16}$	$1\frac{3}{32}$	$21\frac{1}{8}$
40-200	215JM	7	$1\frac{1}{16}$	$5\frac{1}{4}$	8	$8\frac{1}{2}$	$9\frac{1}{2}$	1	$8\frac{3}{16}$	$1\frac{3}{32}$	$22\frac{11}{16}$
50-125	184JM	$5\frac{1}{2}$	$1\frac{1}{16}$	$4\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	1	$7\frac{3}{16}$	$1\frac{3}{32}$	$22\frac{15}{16}$
	213JM	$5\frac{1}{2}$	$-\frac{1}{16}$	$5\frac{1}{4}$	8	$8\frac{1}{2}$	$9\frac{1}{2}$	1	$8\frac{3}{16}$	$1\frac{3}{32}$	$21\frac{9}{16}$
	215JM	7	$-\frac{1}{16}$	$5\frac{1}{4}$	8	$8\frac{1}{2}$	$9\frac{1}{2}$	1	$8\frac{3}{16}$	$1\frac{3}{32}$	$22\frac{11}{16}$
50-160	213JM	$5\frac{1}{2}$	$1\frac{1}{16}$	$5\frac{1}{4}$	8	$8\frac{1}{2}$	$9\frac{1}{2}$	1	$8\frac{3}{16}$	$1\frac{3}{32}$	$21\frac{9}{16}$
	215JM	7	$1\frac{1}{16}$	$5\frac{1}{4}$	8	$8\frac{1}{2}$	$9\frac{1}{2}$	1	$8\frac{3}{16}$	$1\frac{3}{32}$	$22\frac{11}{16}$

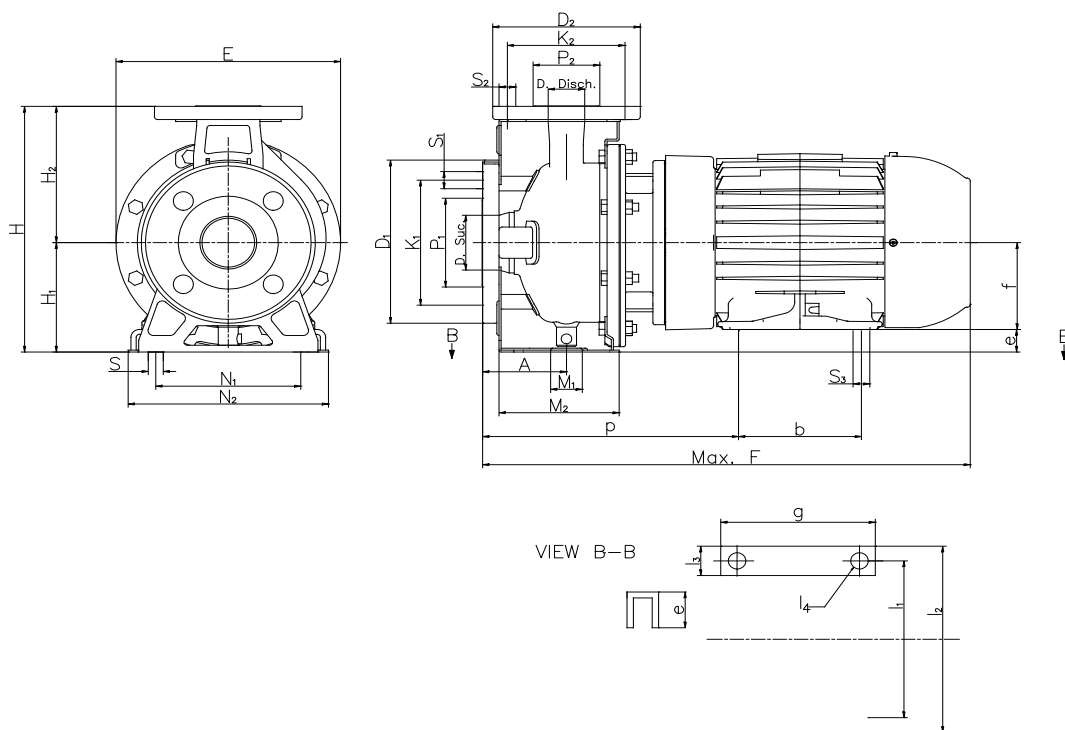
Remarks:

1. "e" dimensions (–) means $H_1 < f$.
In this case, need distance piece under the pump.
2. "F" dimensions indicate maximum dimension.

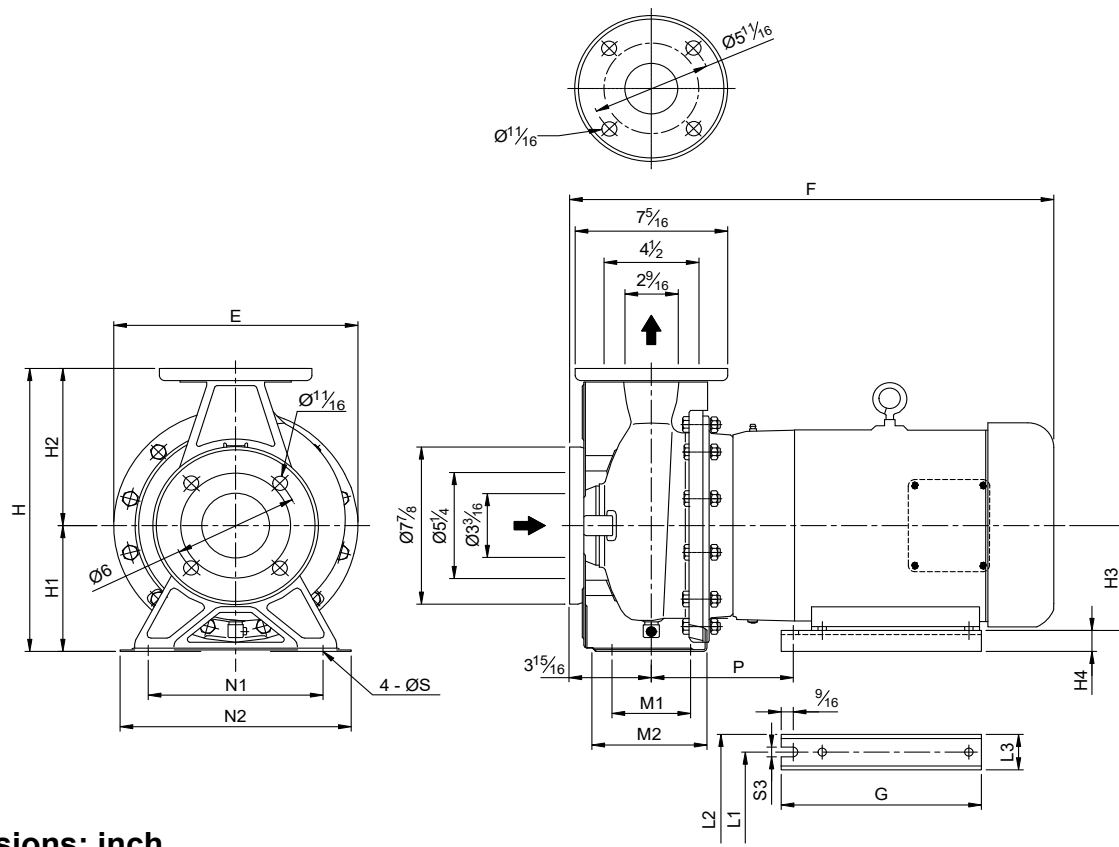


Pump Dimensions

3U 4-Pole TEFC Motor

Model	HP	Phase	JM Frame	b	e	f	g	l1	l2	l3	l4	P	S3	F
32-200	1	3	143JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	9 ¹¹ / ₁₆	3 ³ / ₈	19 ¹³ / ₁₆
	1	1	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	9 ¹¹ / ₁₆	3 ³ / ₈	19 ¹³ / ₁₆
	1.5	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	9 ¹¹ / ₁₆	3 ³ / ₈	19 ⁵ / ₈
	1.5	1	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	10 ¹ / ₈	3 ³ / ₈	20 ¹³ / ₁₆
	2	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	10 ¹ / ₈	3 ³ / ₈	19 ¹ / ₁₆
40-160	1	1	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	7 ⁹ / ₁₆	3 ³ / ₈	19 ¹³ / ₁₆
	1	3	143JM	5	1 ¹¹ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	7 ¹ / ₂	3 ³ / ₈	19 ³ / ₄
	1.5	3	145JM	5	1 ³ / ₄	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	10 ¹ / ₈	3 ³ / ₈	18 ¹¹ / ₁₆
40-200A/B	1.5	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	7 ¹ / ₂	3 ³ / ₈	18 ³ / ₄
	2	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	7 ¹ / ₂	3 ³ / ₈	18 ³ / ₄
50-125	1	3	143JM	5	1 ¹¹ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	7 ¹ / ₂	3 ³ / ₈	19 ⁵ / ₈
	1.5	3	145JM	5	1 ¹¹ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	10 ¹ / ₈	3 ³ / ₈	19 ¹ / ₂
	2	3	145JM	5	1 ¹¹ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	10 ¹ / ₈	3 ³ / ₈	19 ⁷ / ₈
50-160	1.5	1	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	10 ¹ / ₂	3 ³ / ₈	20 ¹³ / ₁₆
	1.5	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	10 ¹ / ₂	3 ³ / ₈	19 ⁵ / ₈
	2	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ⁵ / ₁₆	10 ¹ / ₂	3 ³ / ₈	19 ⁵ / ₈

Pump Dimensions

3U 4-Pole ODP Motor

Model	HP	Phase	JM Frame	b	e	f	g	l1	l2	l3	l4	P	S3	F
32-200	1	3	143JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	7 ⁹ / ₁₆	3 ³ / ₈	18 ¹⁵ / ₁₆
	1.5	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	7 ⁹ / ₁₆	3 ³ / ₈	18 ¹⁵ / ₁₆
	2	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	10 ¹ / ₁₆	3 ³ / ₈	17 ⁷ / ₁₆
40-160	1	3	143JM	5	1 ¹¹ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	7 ¹ / ₂	3 ³ / ₈	18 ³ / ₈
	1.5	3	145JM	5	1 ¹¹ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	10 ¹ / ₁₆	3 ³ / ₈	17 ⁷ / ₁₆
40-200A/B	1.5	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	7 ³ / ₈	3 ³ / ₈	19 ⁵ / ₈
	2	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	7 ³ / ₈	3 ³ / ₈	19 ⁵ / ₈
50-125	1	3	143JM	5	1 ¹¹ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	7 ³ / ₈	3 ³ / ₈	18 ³ / ₄
	1.5	3	145JM	5	1 ¹¹ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	10 ¹ / ₁₆	3 ³ / ₈	18 ³ / ₄
	2	3	145JM	5	1 ¹¹ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	10 ¹ / ₁₆	3 ³ / ₈	18 ³ / ₄
50-160	1.5	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	10 ¹ / ₁₆	3 ³ / ₈	17 ¹ / ₈
	2	3	145JM	5	2 ¹³ / ₁₆	3 ¹ / ₂	5 ¹⁵ / ₁₆	5 ¹ / ₂	7 ¹ / ₂	1 ³ / ₄	5 ¹ / ₁₆	10 ¹ / ₁₆	3 ³ / ₈	17 ¹ / ₈

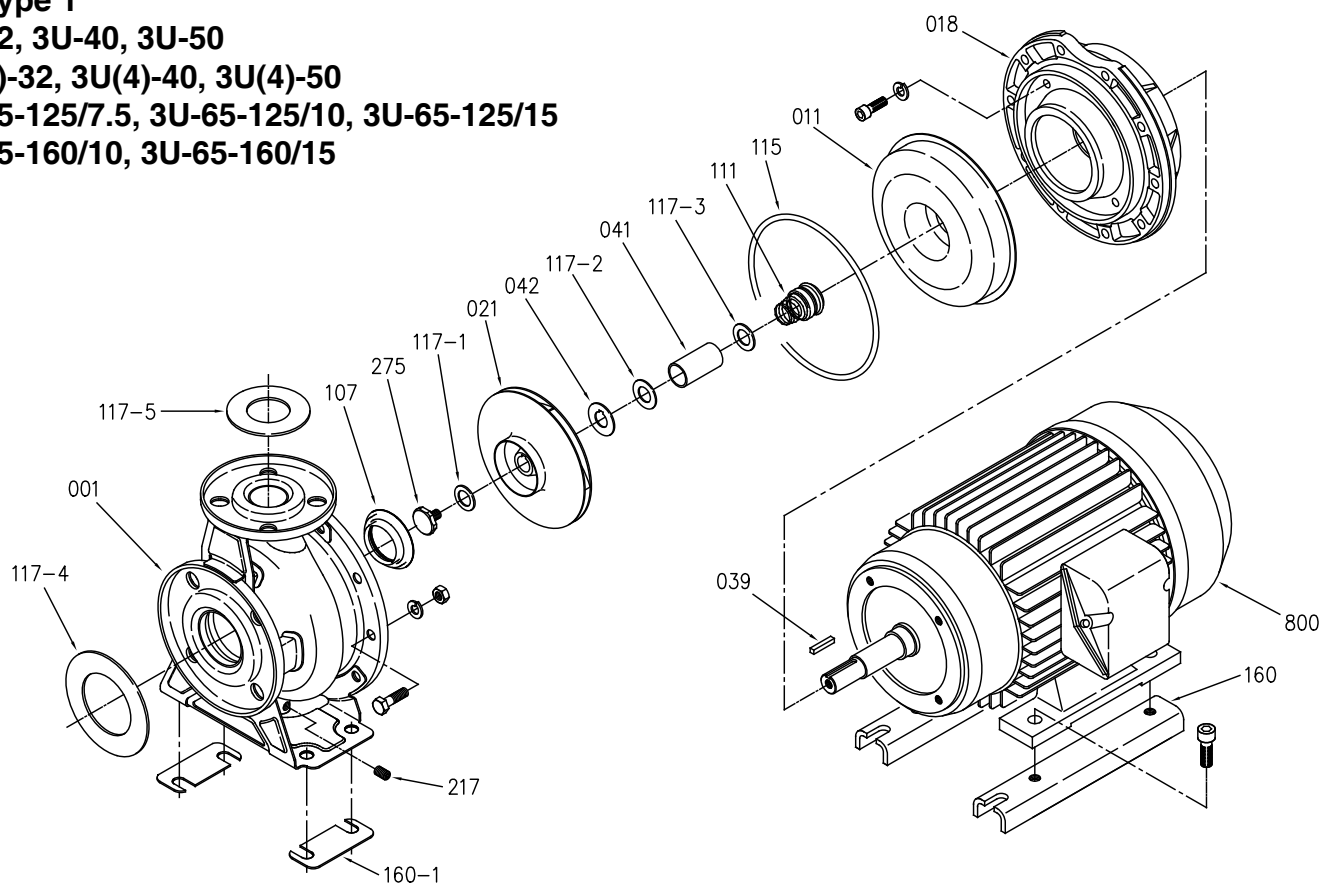
Dimensions
3U Type 1

Dimensions: inch

Model	Size	Type	E	F	G	H	H ₁	H ₂	H ₃	H ₄	L ₁	L ₂	L ₃	M ₁	M ₂	N ₁	N ₂	P	S	S ₃
3U 65-125/7.5	2½ x 3 x 4⅞	1	10	23⅜	9⅞	13⅜	6⅞	7⅞	5¼	1⅞	8½	10¼	1¾	3¾	5½	8⅞	11	16⅞	⅞	½
3U 65-125/10	2½ x 3 x 5⅞	1	10	23⅜	9⅞	13⅜	6⅞	7⅞	5¼	1⅞	8½	10¼	1¾	3¾	5½	8⅞	11	16⅞	⅞	½
3U 65-125/15	2½ x 3 x 5½	1	10	30⅞	9⅞	13⅜	6⅞	7⅞	5¼	1⅞	8½	10¼	1¾	3¾	5½	8⅞	11	16⅞	⅞	½
3U 65-160/10	2½ x 3 x 5¼	1	11⅞	23⅜	9⅞	14⅜	6⅞	7⅞	5¼	1⅞	8½	10¼	1¾	3¾	5½	8⅞	11	16⅞	⅞	½
3U 65-160/15	2½ x 3 x 5⅜	1	11⅞	23⅜	9⅞	14⅜	6⅞	7⅞	5¼	1⅞	8½	10¼	1¾	3¾	5½	8⅞	11	16⅞	⅞	½

3U Type 2
3U Type 3

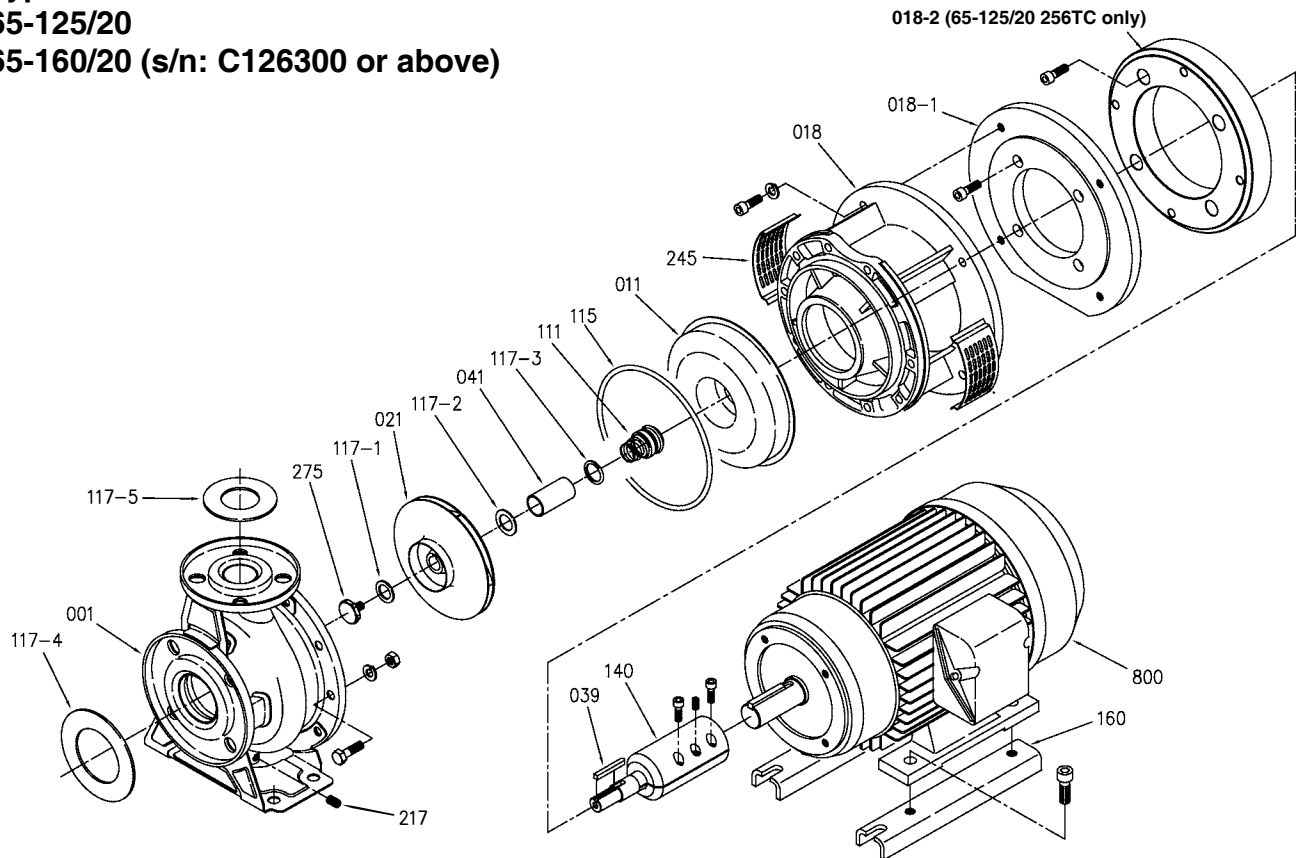


Model	Size	Type	E	F	G	H	H ₁	H ₂	H ₃	H ₄	L ₁	L ₂	L ₃	M ₁	M ₂	N ₁	N ₂	P	S	S ₃
3U 65-125/20	2½ x 3 x 5⅝	3	10	33⅛	11¾	13⅞	6⅝	7⅞	6¼	⅞	10	11⅞	1⅞	3¾	5⅞	8⅞	11⅞	16⅞	⅞	⅞
3U 65-160/20	2½ x 3 x 6⅝	3	11	33½	11¾	14⅞	6⅝	7⅞	6¼	⅞	10	11⅞	1⅞	3¾	5⅞	8⅞	11½	13⅝	⅞	⅞
3U 65-160/25	2½ x 3 x 6⅞	3	11	36	12⅓	14⅞	6⅝	7⅞	7	1⅞	11	12¾	—	3¾	4⅓	8⅞	11⅞	13⅞	⅞	⅞
3U 65-200/20	2½ x 3 x 6¾	3	10	32⅞	13⅞	15⅓	7⅞	8⅞	6¼	1⅓	10	12⅞	2⅞	3¾	5½	9⅓	12⅞	13⅓	⅞	⅞
3U 65-200/25	2½ x 3 x 7⅞	3	11	36	13	15⅓	7⅞	8⅞	7	⅞	11	12⅓	1⅓	3¾	5½	9⅓	12⅞	13⅞	⅞	⅞

Sectional View
3U Type 1
3U-32, 3U-40, 3U-50
3U(4)-32, 3U(4)-40, 3U(4)-50
3U-65-125/7.5, 3U-65-125/10, 3U-65-125/15
3U-65-160/10, 3U-65-160/15


Part No.	Part Name	Materials	No. for 1 Unit
001	Casing	304L Stainless	1
011	Casing Cover	304L Stainless	1
018	Bracket	Cast Iron	1
021	Impeller	304L / 316SS (3U-65 - 316SS)	1
039	Key	304L Stainless	1
041	Shaft Sleeve	304L Stainless	1
042	Impeller Spacer	304L Stainless	1
107	Liner Ring	304L Stainless + PTFE	1
111	Mechanical Seal	varies by model	1
115	O-Ring	Viton/EPDM	1
117-1	Gasket	Nylon	1
117-2	Gasket	Nylon	1
117-3	Gasket	Nylon	1
117-4	Suction Flange Gasket	EPDM	2
117-5	Discharge Flange Gasket	NBR/EPDM	2
160	Motor Support	Steel	2
160-1	Casing Support	Steel	2
217	Drain Plug	304L Stainless	1
275	Impeller Bolt	304L Stainless	1

Pump will use either motor supports or casing supports, depending on model.

Sectional View
3U Type 2
3U-65-125/20
3U-65-160/20 (s/n: C126300 or above)


Part No.	Part Name	Materials	No. for 1 Unit
001	Casing	304L Stainless	1
011	Casing Cover	304L Stainless	1
018	Bracket	Cast Iron	1
018-1	Adapter Ring	Cast Iron	1
018-2	Adapter Ring (65-125 20hp only)	Cast Iron	1
021	Impeller	316 Stainless	1
039	Key	304L Stainless	1
041	Shaft Sleeve	304L Stainless	1
111	Mechanical Seal	varies by model	1
115	O-Ring	Viton/EPDM	1
117-1	Gasket	Nylon	1
117-2	Gasket	Nylon	1
117-3	Gasket	Nylon	1
117-4	Suction Flange Gasket	EPDM	2
117-5	Discharge Flange Gasket	NBR/EPDM	2
140	Coupling	304L Stainless	1
160	Motor Support	Steel	2
217	Drain Plug	304L Stainless	1
245	Coupling Guard	Stainless Steel	2
275	Impeller Bolt	304L Stainless	1
800	Motor	—	1

Sectional View
Model 3U 65 Type 3

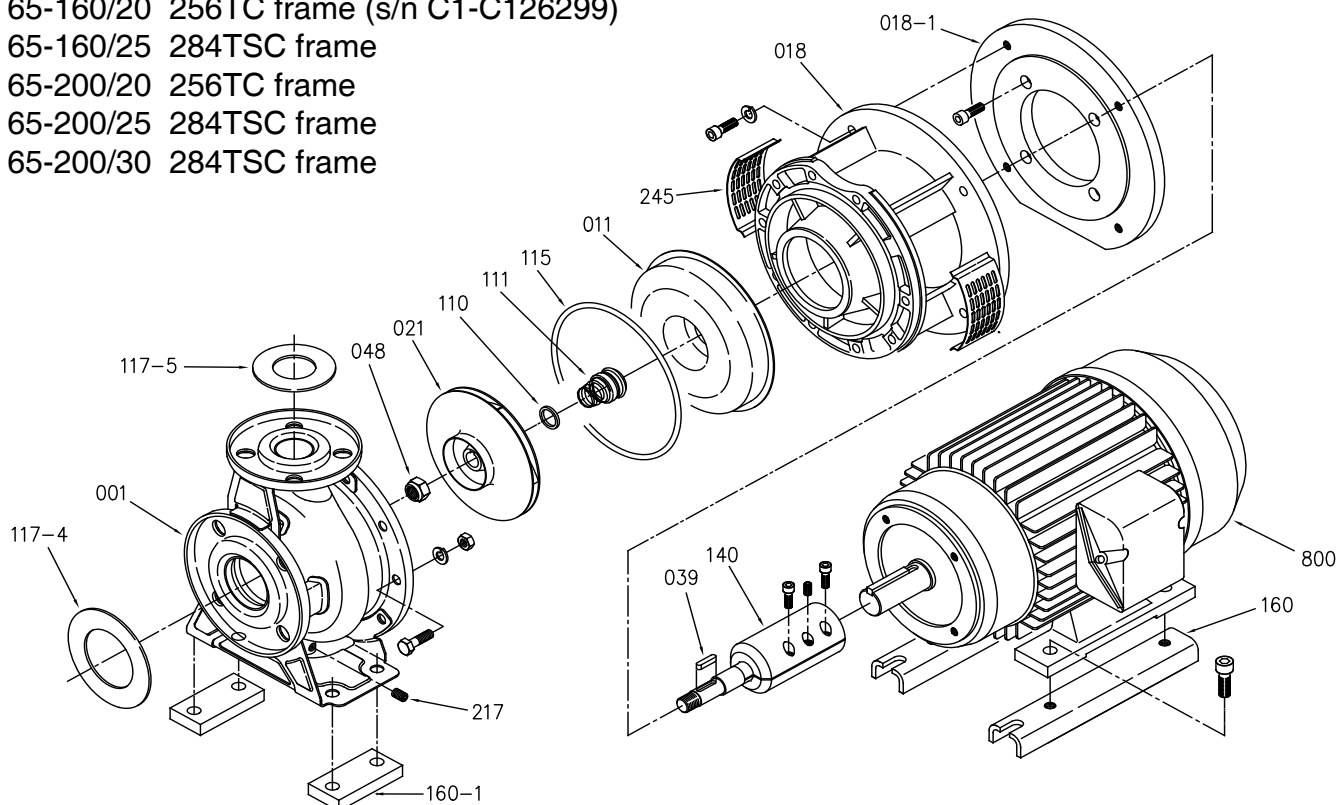
3U 65-160/20 256TC frame (s/n C1-C126299)

3U 65-160/25 284TSC frame

3U 65-200/20 256TC frame

3U 65-200/25 284TSC frame

3U 65-200/30 284TSC frame



Part No.	Part Name	Materials	No. for 1 Unit
001	Casing	304L Stainless	1
011	Casing Cover	304L Stainless	1
018	Bracket	Cast Iron	1
018-1	Adapter Ring	Cast Iron	1
021	Impeller	316 Stainless	1
039	Key	304L Stainless	1
048	Impeller Nut	Stainless Steel	1
110	Lip Seal	304L Stainless	1
111	Mechanical Seal	varies by model	1
115	O-Ring	Viton/EPDM	1
117-4	Suction Flange Gasket	EPDM	2
117-5	Discharge Flange Gasket	NBR/EPDM	2
140	Coupling	304L Stainless	1
160	Motor Support	Steel	2
160-1	Casing Support	Steel	2
217	Drain Plug	304L Stainless	1
245	Coupling Guard	Stainless Steel	2
800	Motor	—	1

Pump will use either motor supports or casing supports, depending on model.