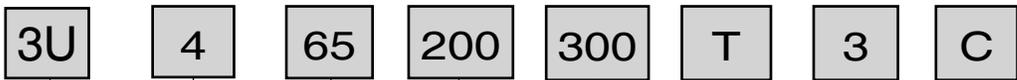


Contents

Item No.	Specifications	Selection Chart	Performance Curve	Pump Dimensions	Sectional View
3U-32-125-3 HP	402	403	404	434	440
3U-32-160A-5 HP			405		
3U-32-160B-5 HP					
3U-32-200- 7½ HP			406		
3U-32-200-1-10 HP					
3U-40-125A-5 HP			407		
3U-40-125B-5 HP					
3U-40-160-7½ HP			408		
3U-40-160-1-10 HP					
3U-40-200A-15 HP			409		
3U-40-200B-15 HP					
3U-50-125-7½ HP			410		
3U-50-125-1-10 HP					
3U-50-160-10 HP					
3U-50-160-1-15 HP	411				
3U-65-125-7½ HP	402	403	412	438	440
3U-65-125-10 HP			413		
3U-65-125-15 HP					
3U-65-125-20 HP			415	439	441
3U-65-160-10 HP			416	438	440
3U-65-160-15 HP					
3U-65-160-20 HP			418	439	441
3U-65-160-25 HP			419		442
3U-65-200-20 HP					
3U-65-200-25 HP			420		
3U-65-200-30 HP					
3U-32-200-1 HP			402	423	
3U4-32-200-1-1½ HP	425				
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3U4-50-125-2-2HP	432				
3U4-50-160-1½ HP	433				
3U4-50-160-1-2 HP					



Model Designation



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



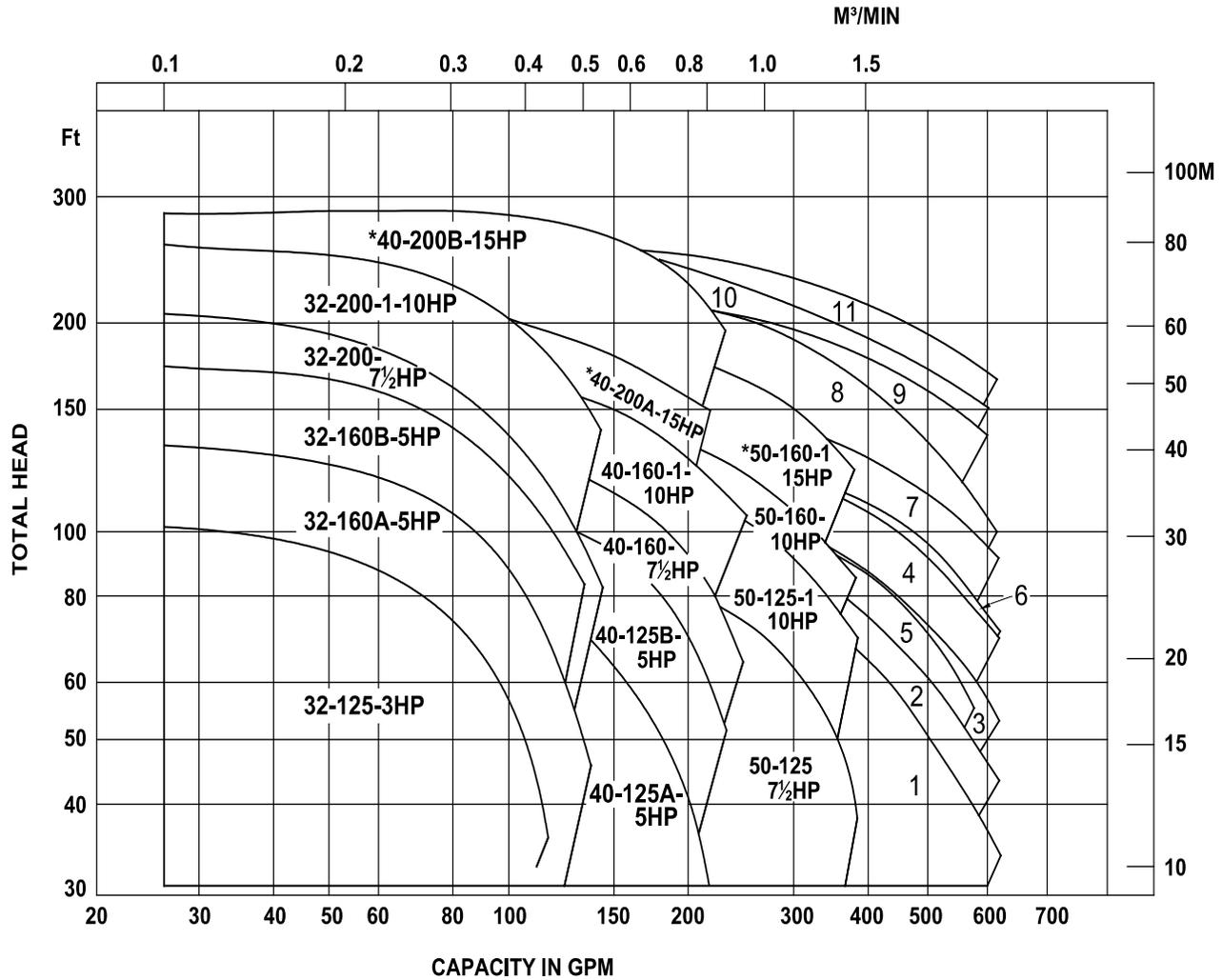
Specifications

	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	<table border="0"> <tr> <td>3U</td> <td>3U65</td> </tr> <tr> <td>304L Stainless Steel</td> <td>304L Stainless Steel</td> </tr> <tr> <td>304L Stainless Steel</td> <td>316 Stainless Steel</td> </tr> <tr> <td>304L Stainless Steel</td> <td>304L Stainless Steel</td> </tr> <tr> <td>Cast Iron</td> <td>Cast Iron</td> </tr> </table>	3U	3U65	304L Stainless Steel	304L Stainless Steel	304L Stainless Steel	316 Stainless Steel	304L Stainless Steel	304L Stainless Steel	Cast Iron	Cast Iron	
3U	3U65											
304L Stainless Steel	304L Stainless Steel											
304L Stainless Steel	316 Stainless Steel											
304L Stainless Steel	304L Stainless Steel											
Cast Iron	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

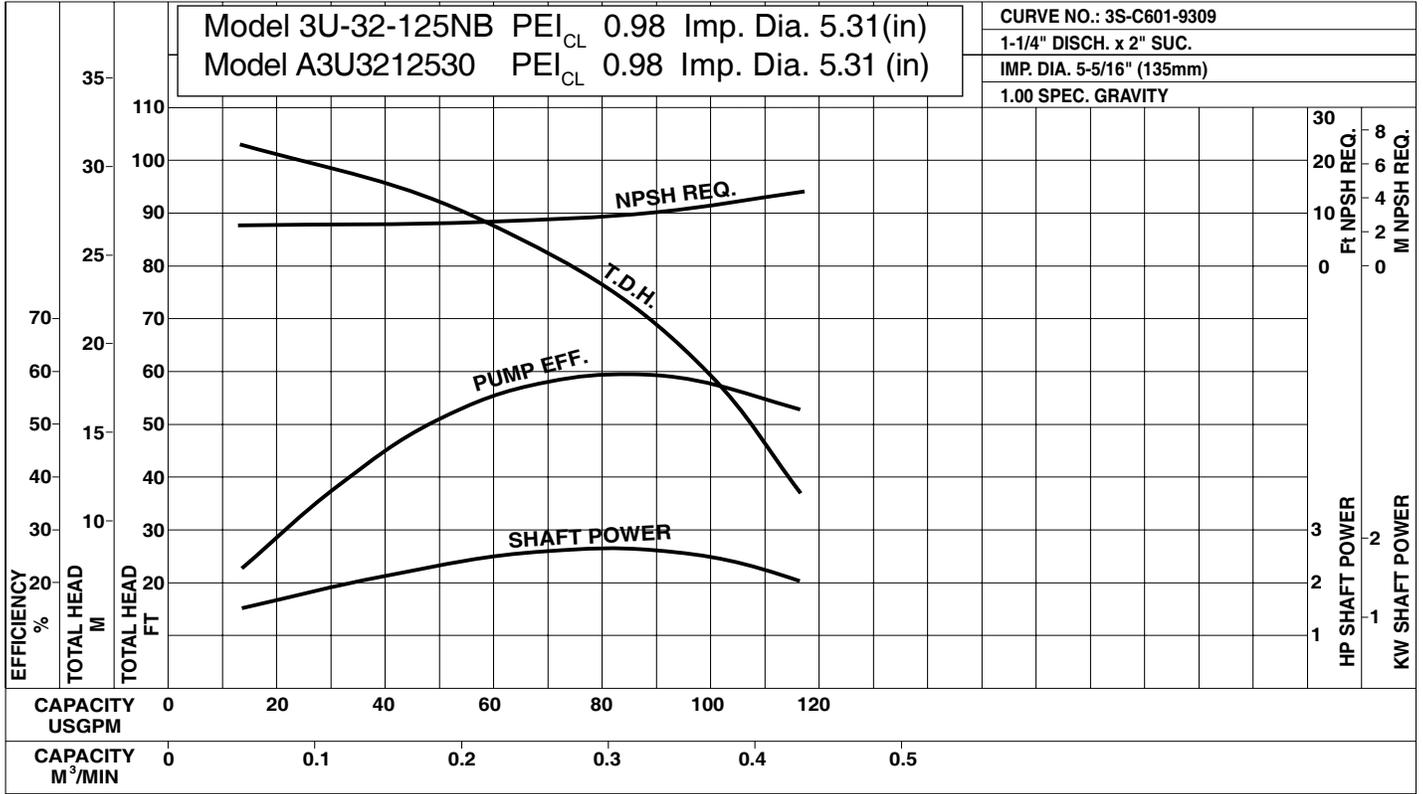


Performance Curves

3U 32-125-3HP

Nominal Speed: 3450 RPM

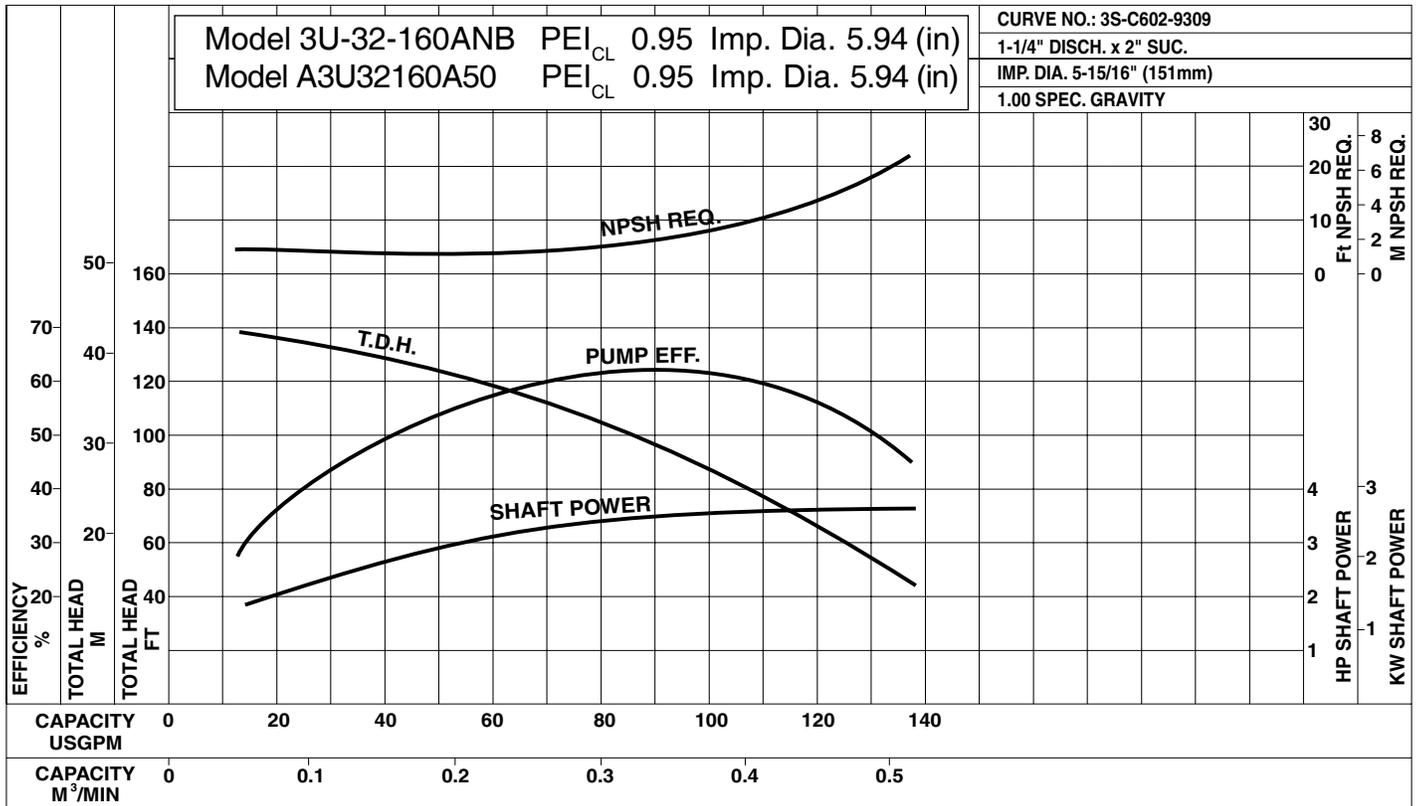
Size: 1 1/4 x 2 x 5 5/16



3U 32-160A-5HP

Nominal Speed: 3450 RPM

Size: 1 1/4 x 2 x 5 15/16

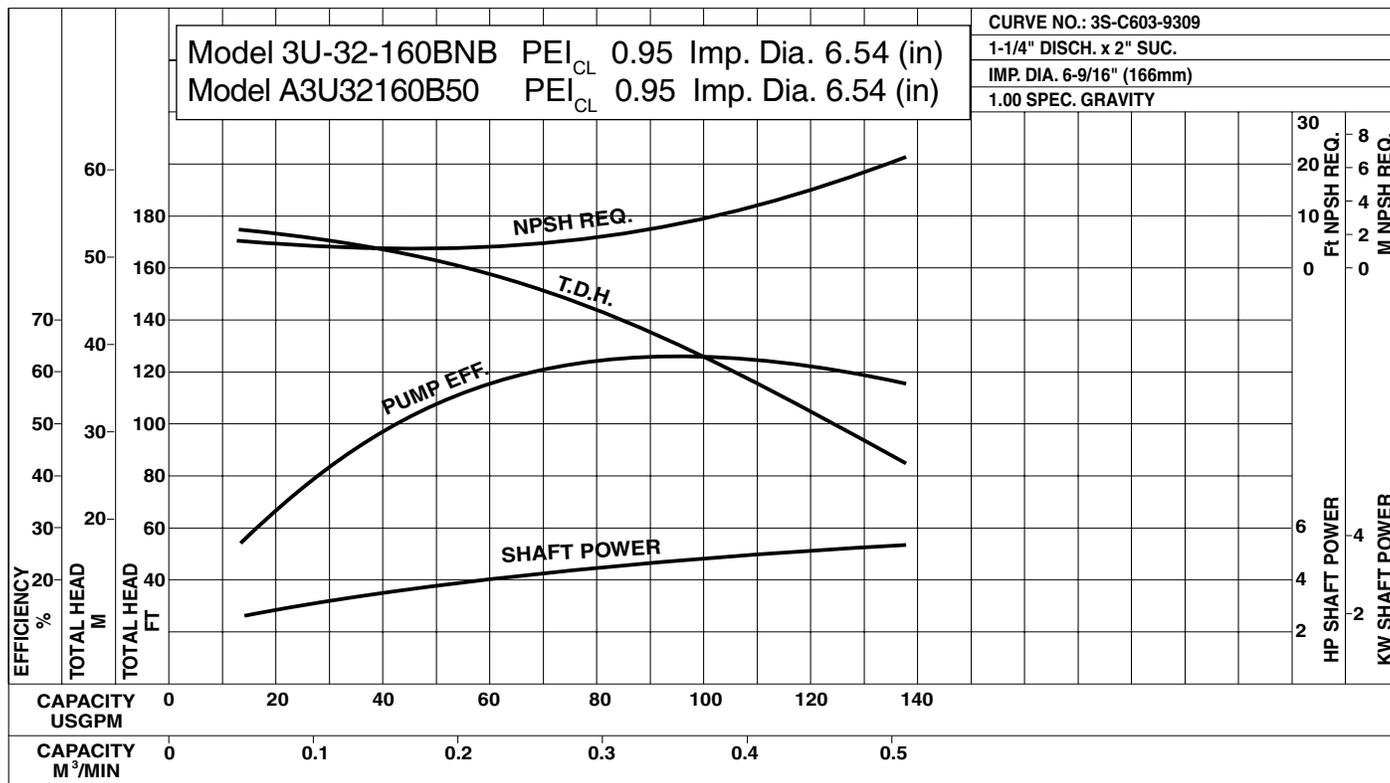


Performance Curves

3U 32-160B-5HP

Nominal Speed: 3450 RPM

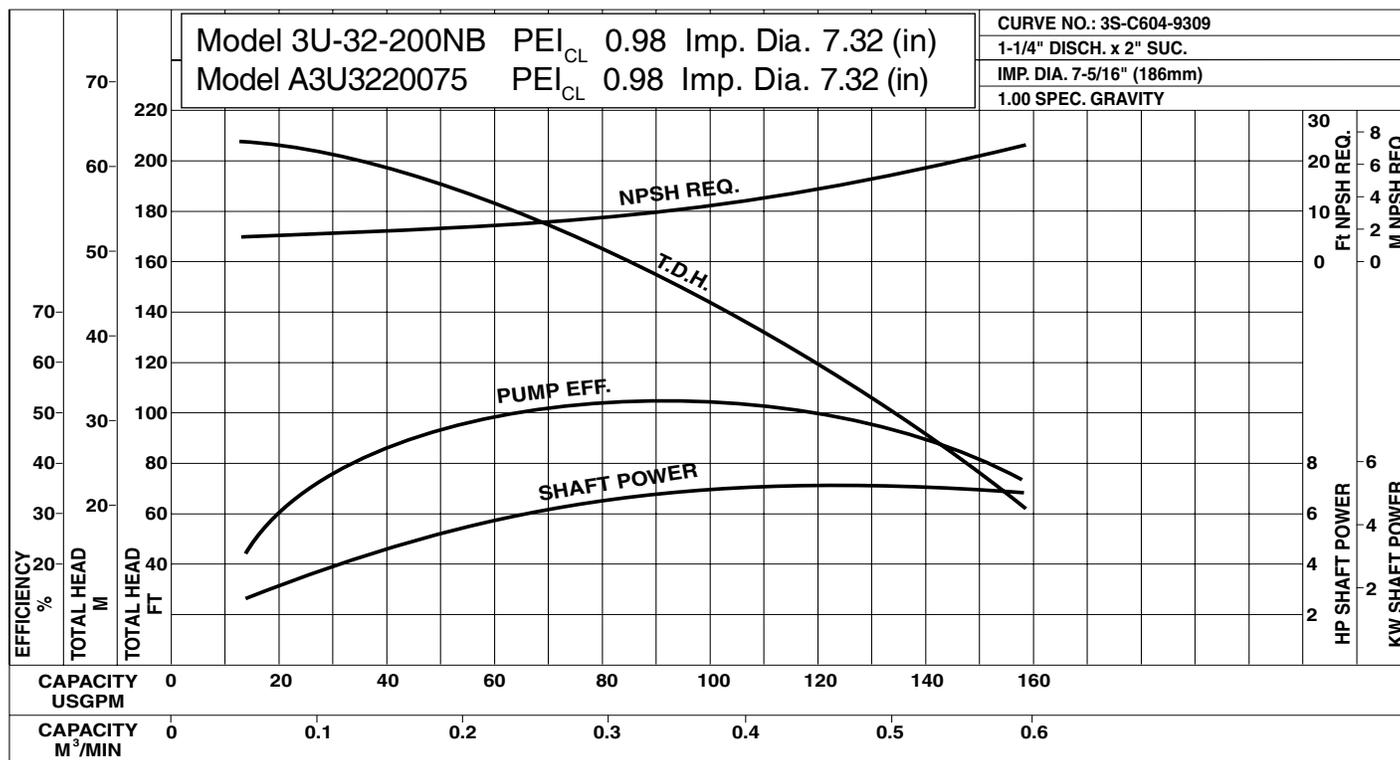
Size: 1¼ x 2 x 6⁹/₁₆



3U 32-200-7½HP

Nominal Speed: 3450 RPM

Size: 1¼ x 2 x 7⁵/₁₆

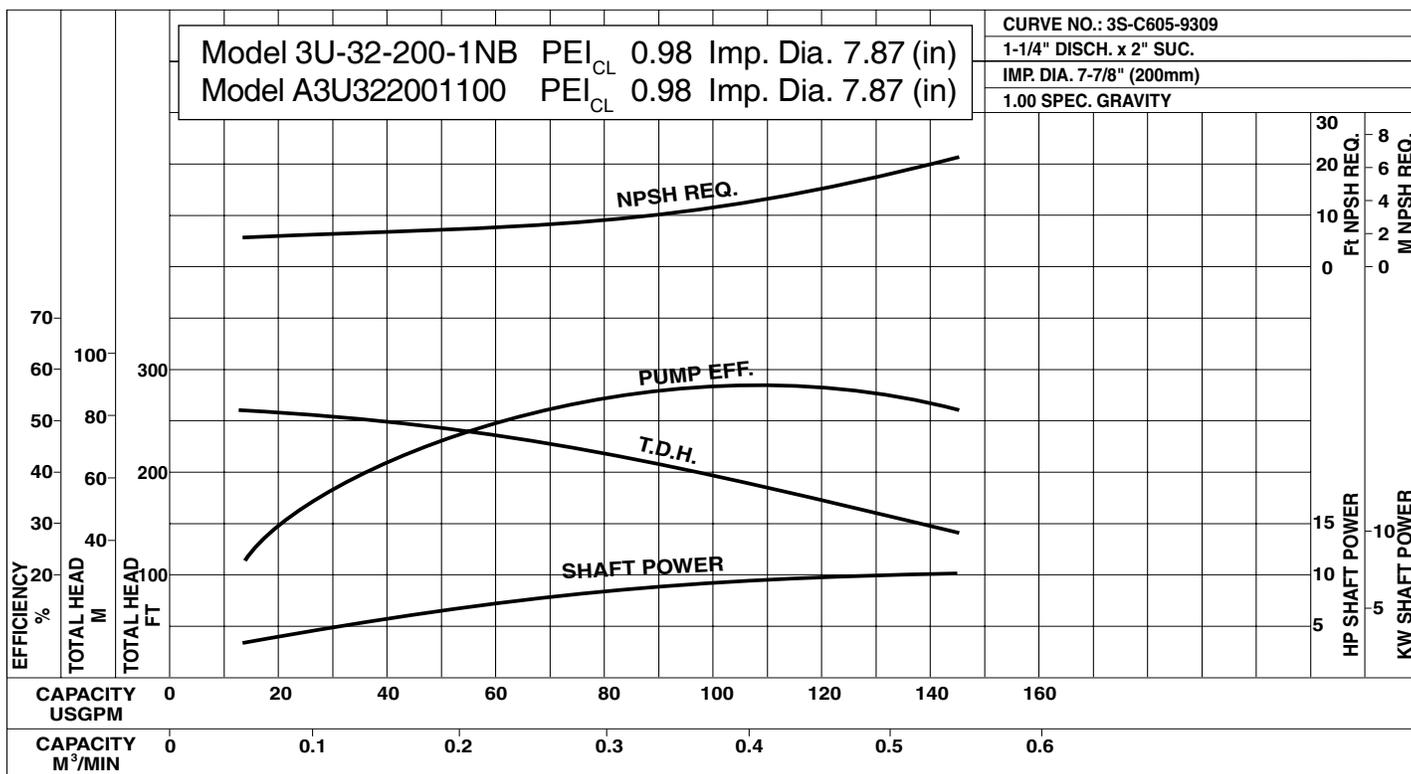


Performance Curves

3U 32-200-1-10HP

Nominal Speed: 3450 RPM

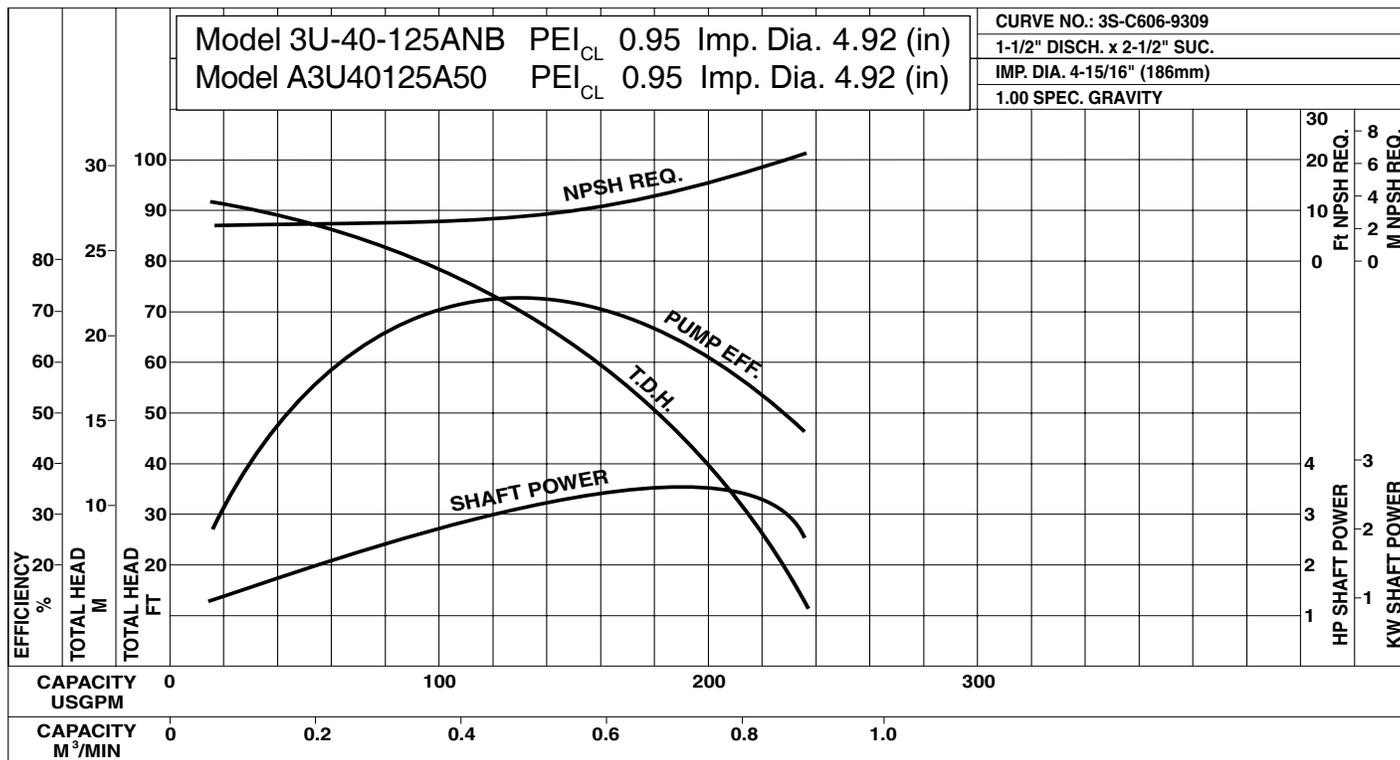
Size: 1 1/4 x 2 x 7 7/8



3U 40-125A-5HP

Nominal Speed: 3450 RPM

Size: 1 1/2 x 2 1/2 x 4 15/16

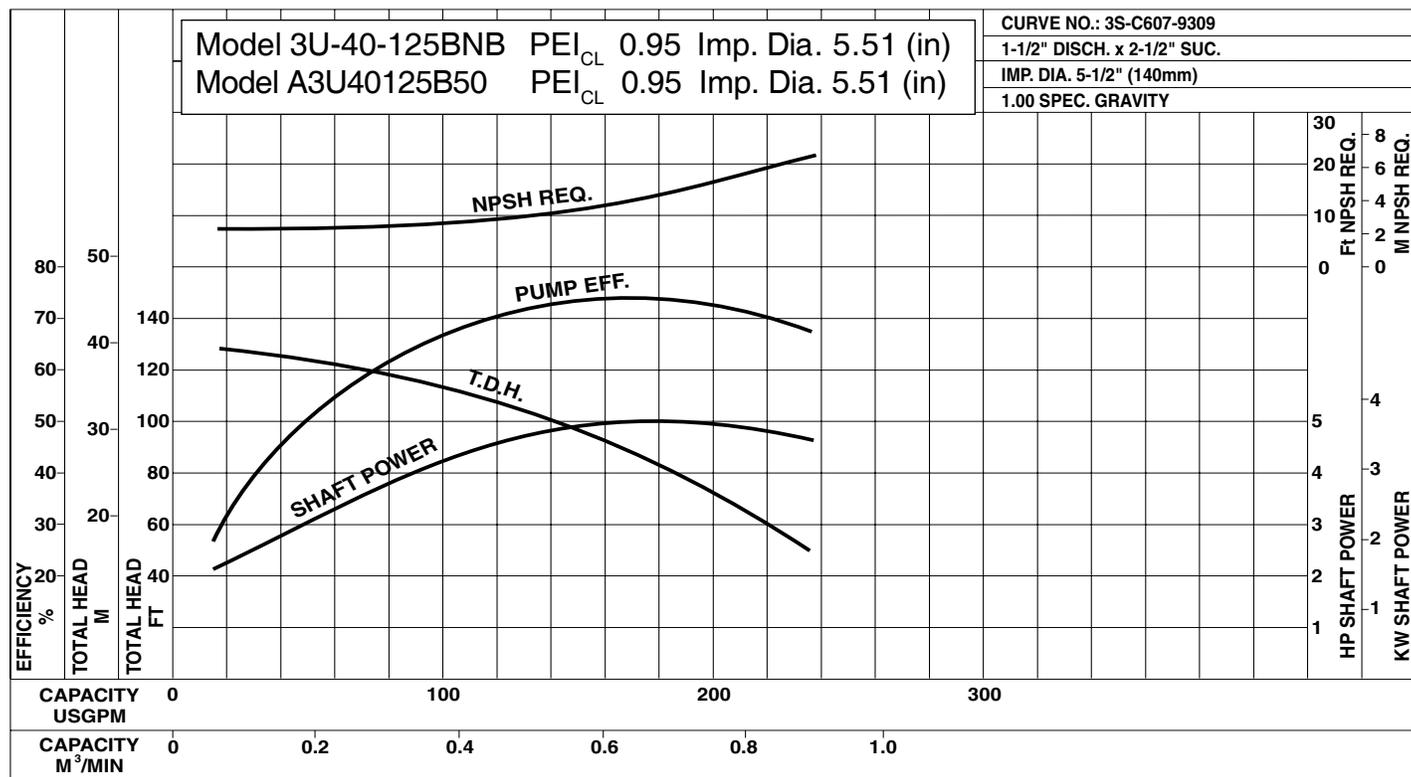


Performance Curves

3U 40-125B-5HP

Nominal Speed: 3450 RPM

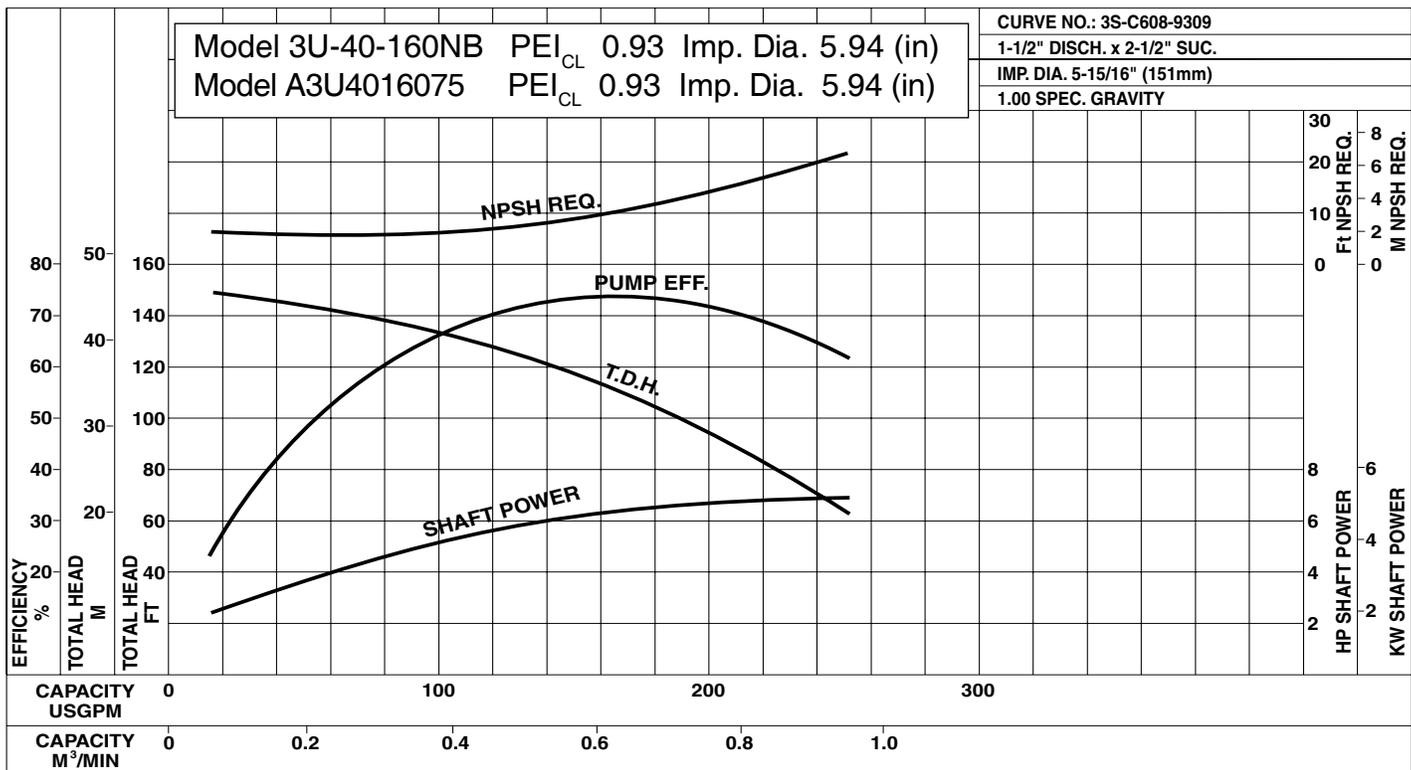
Size: 1½ x 2½ x 5½



3U 40-160-7½HP

Nominal Speed: 3450 RPM

Size: 1½ x 2½ x 5¹⁵/₁₆

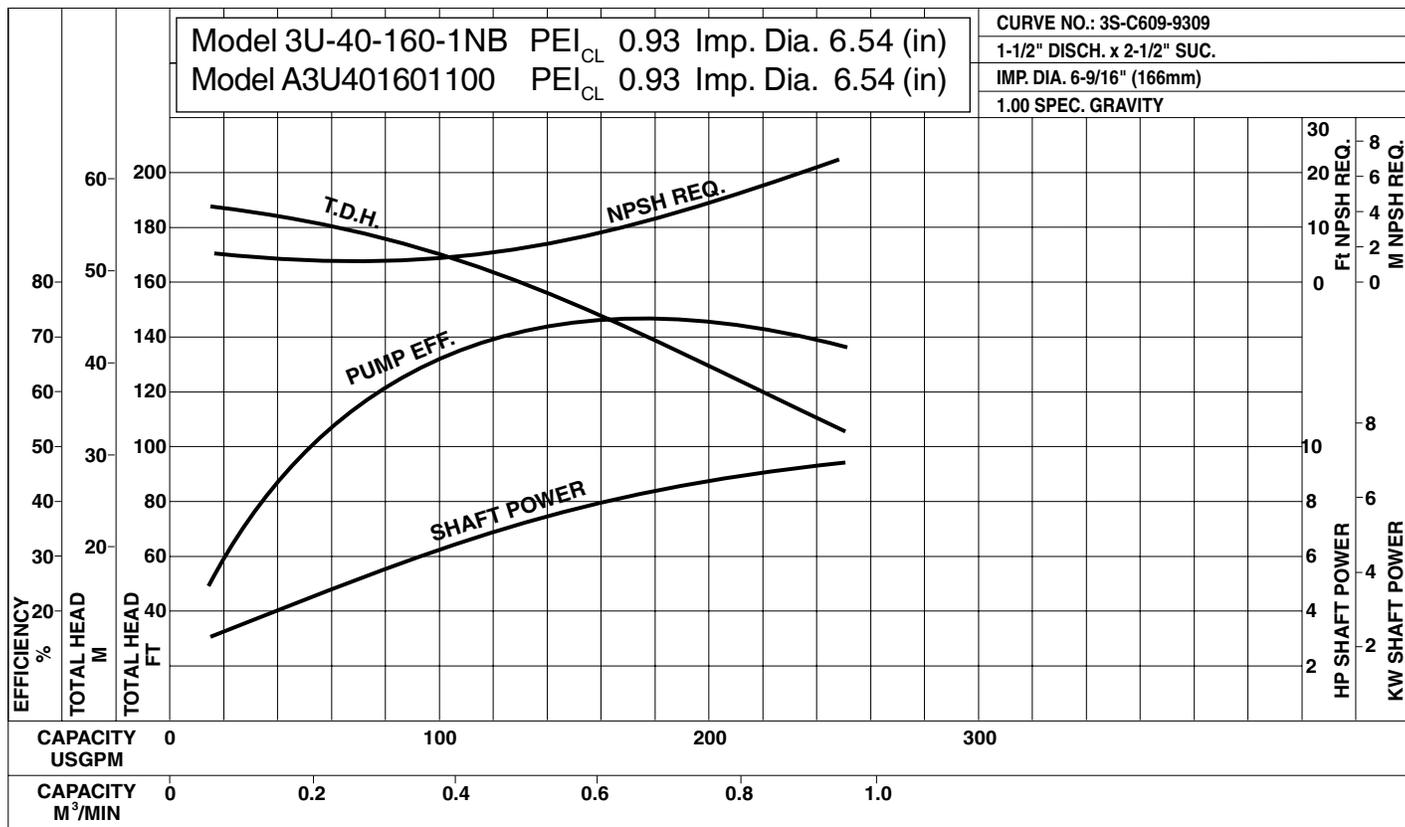


Performance Curves

3U 40-160-1-10HP

Nominal Speed: 3450 RPM

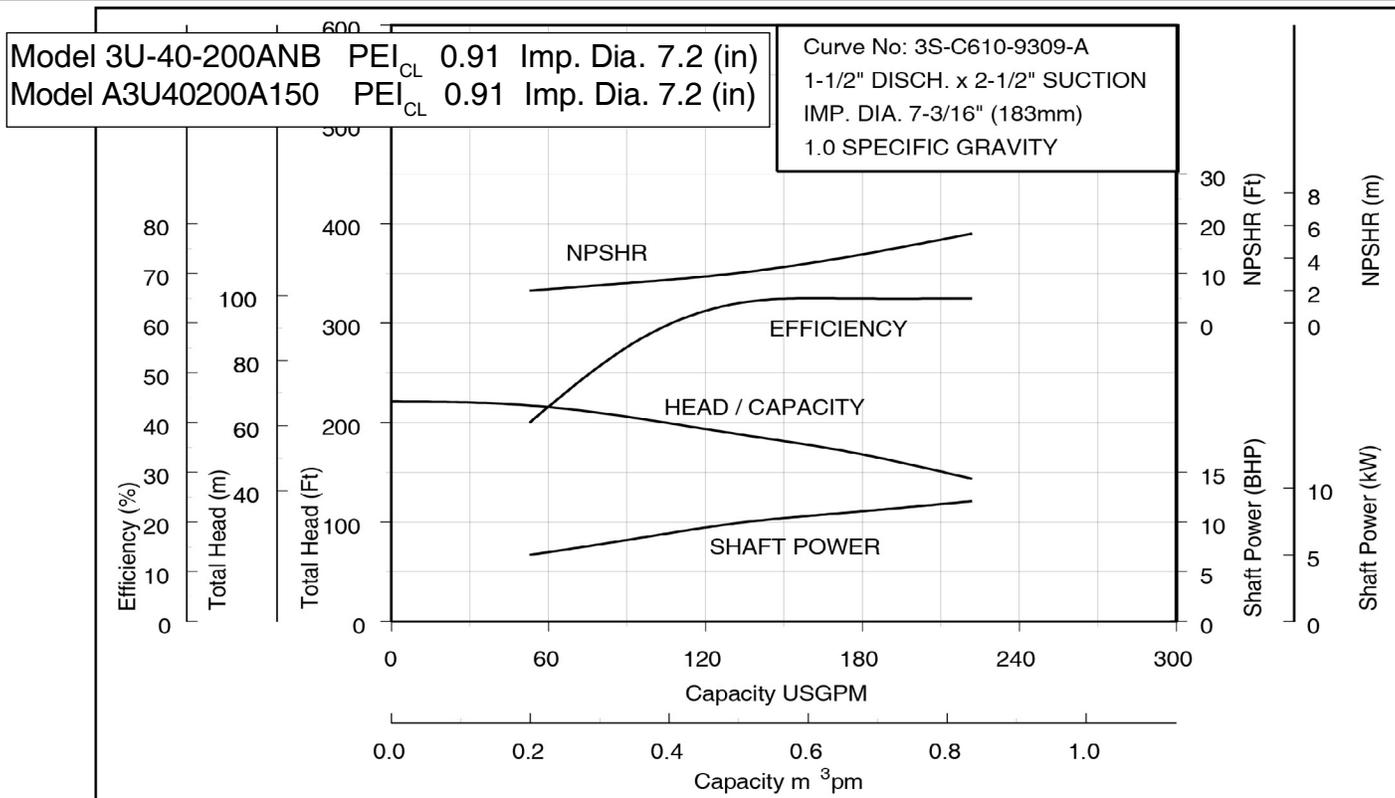
Size: 1½ x 2½ x 6⁹/₁₆



3U 40-200A-15HP

Nominal Speed: 3450 RPM

Size: 1½ x 2½ x 7³/₁₆

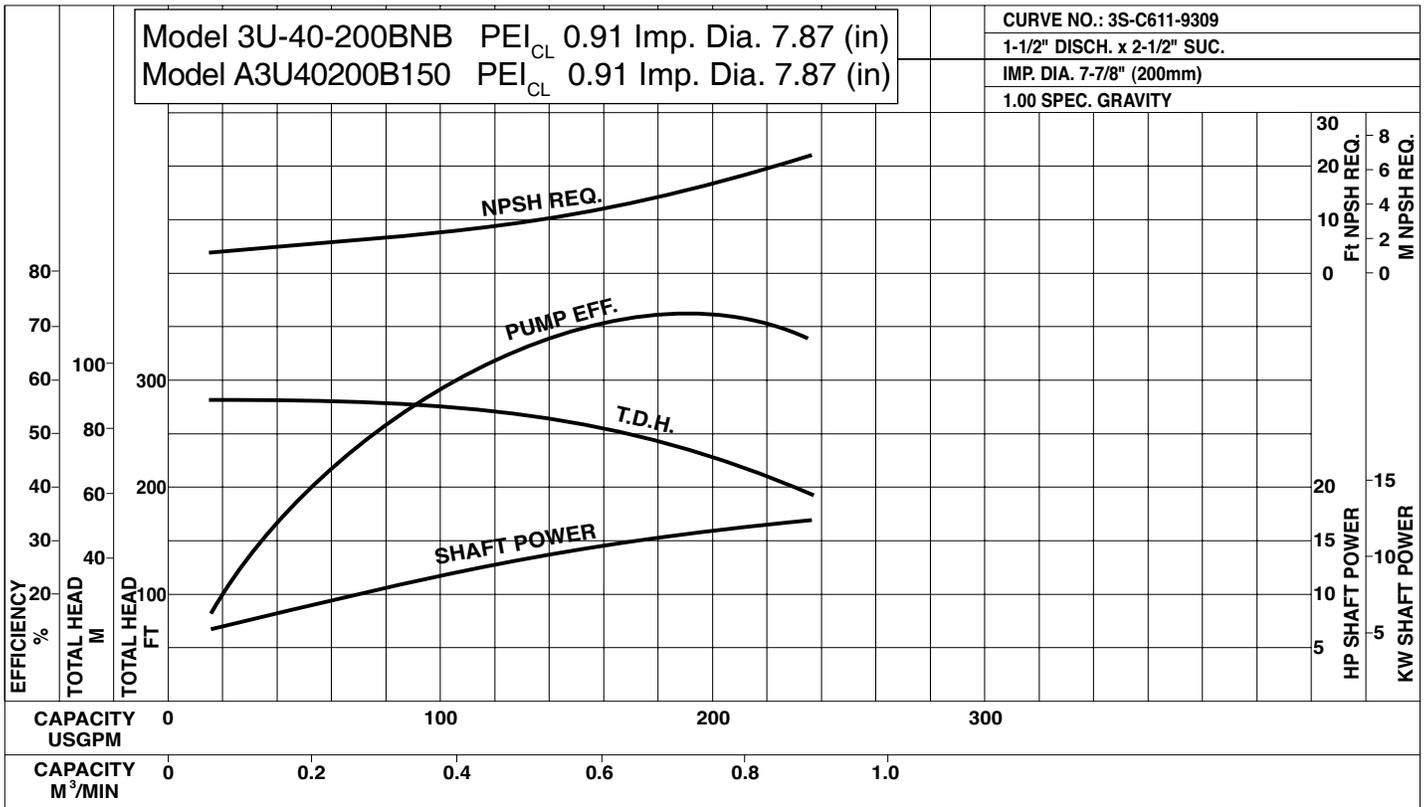


Performance Curves

3U 40-200B-15HP

Nominal Speed: 3450 RPM

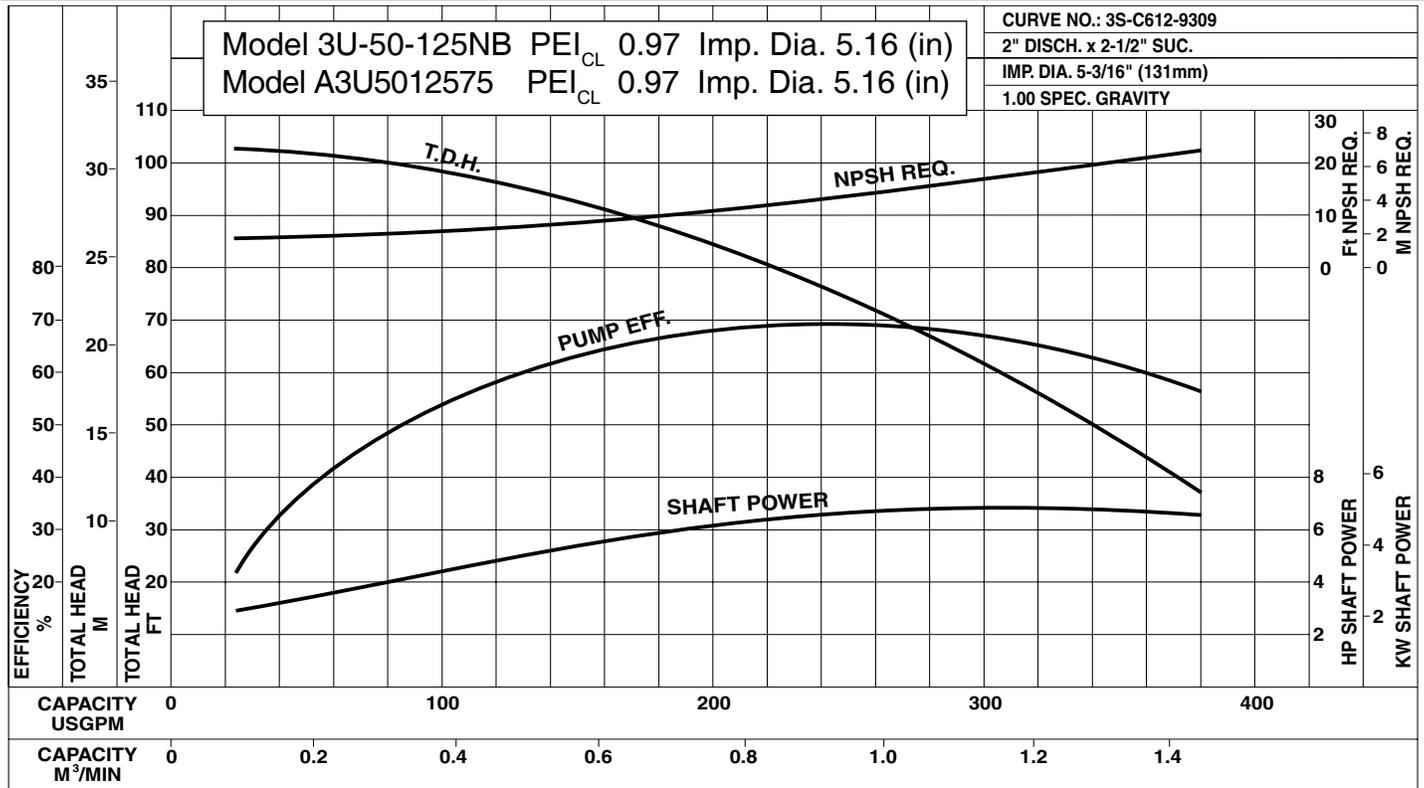
Size: 1½ x 2½ x 7⅞



3U 50-125-7½HP

Nominal Speed: 3450 RPM

Size: 2 x 2½ x 5⅜

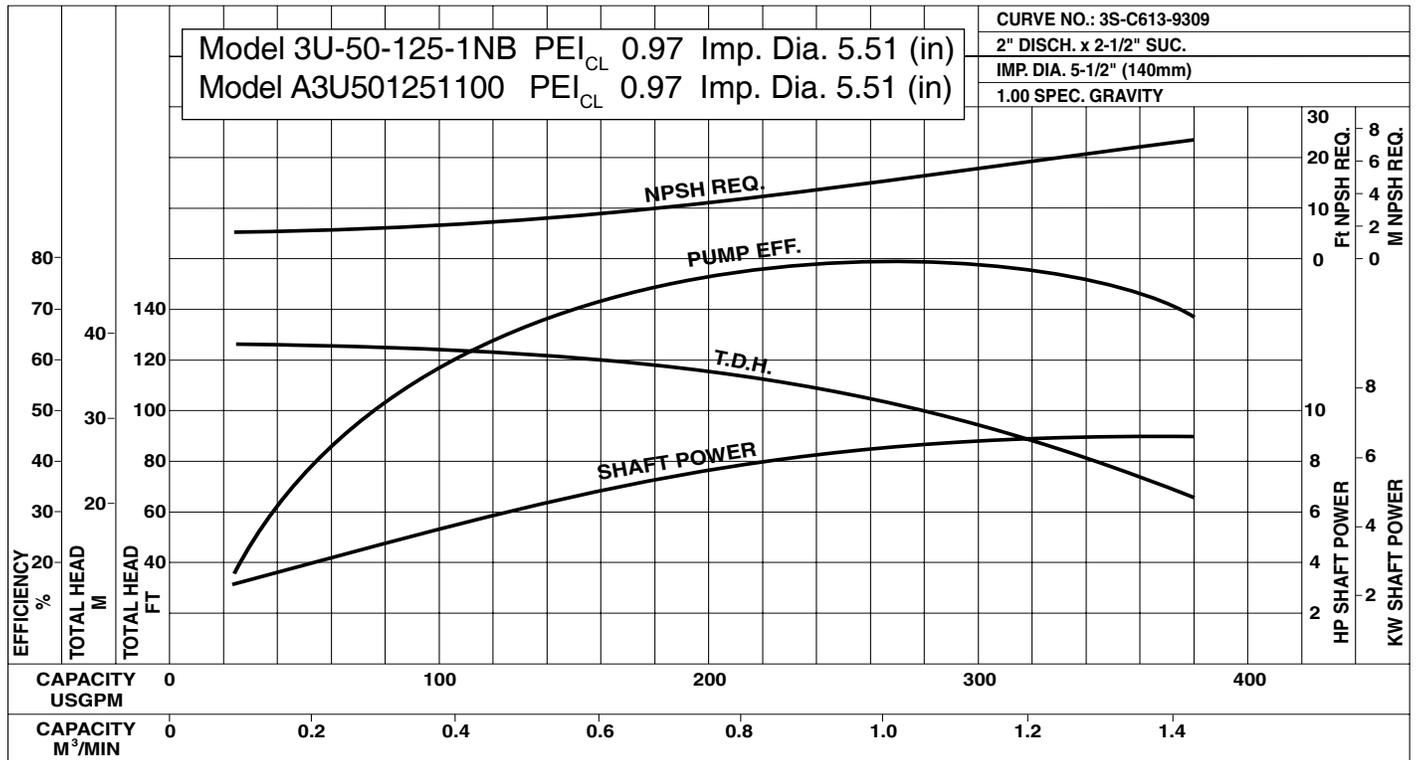


Performance Curves

3U 50-125-1-10HP

Nominal Speed: 3450 RPM

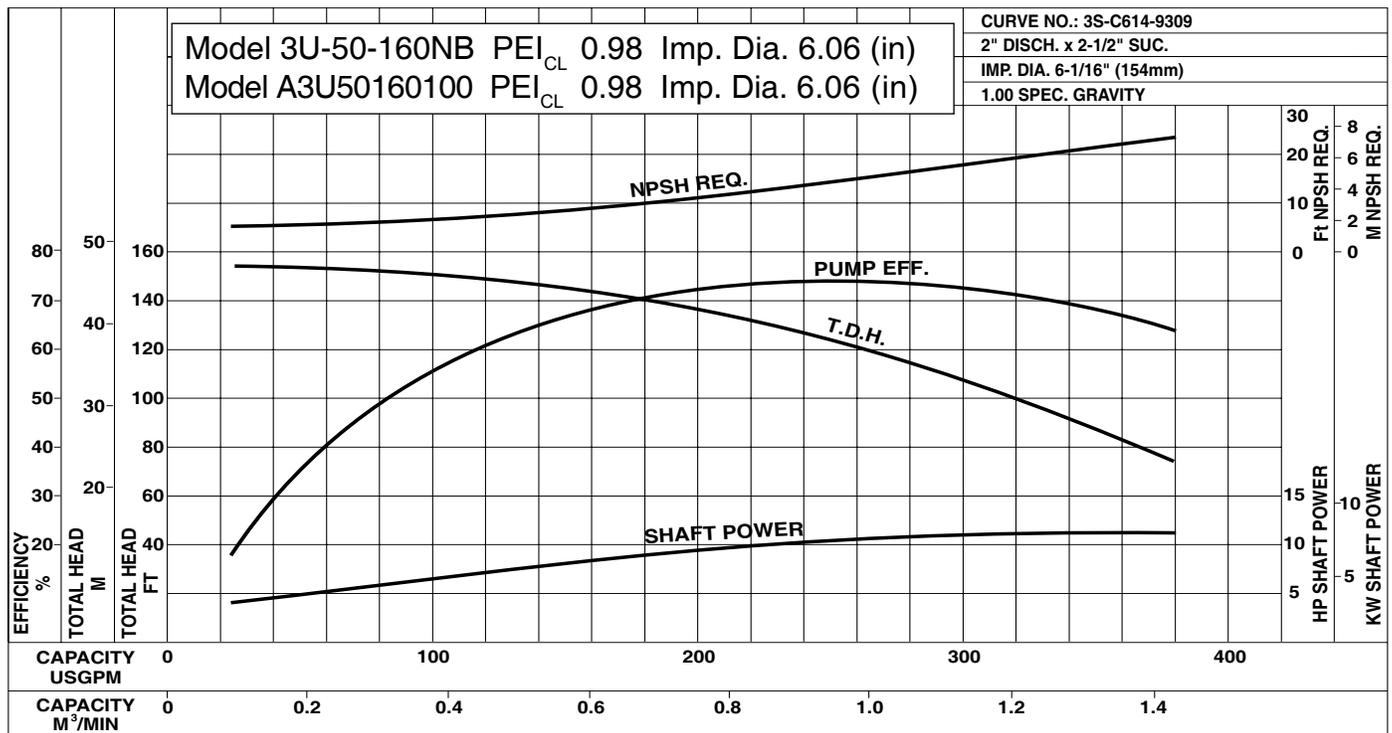
Size: 2 x 2½ x 5½



3U 50-160-10HP

Nominal Speed: 3450 RPM

Size: 2 x 2½ x 6¼

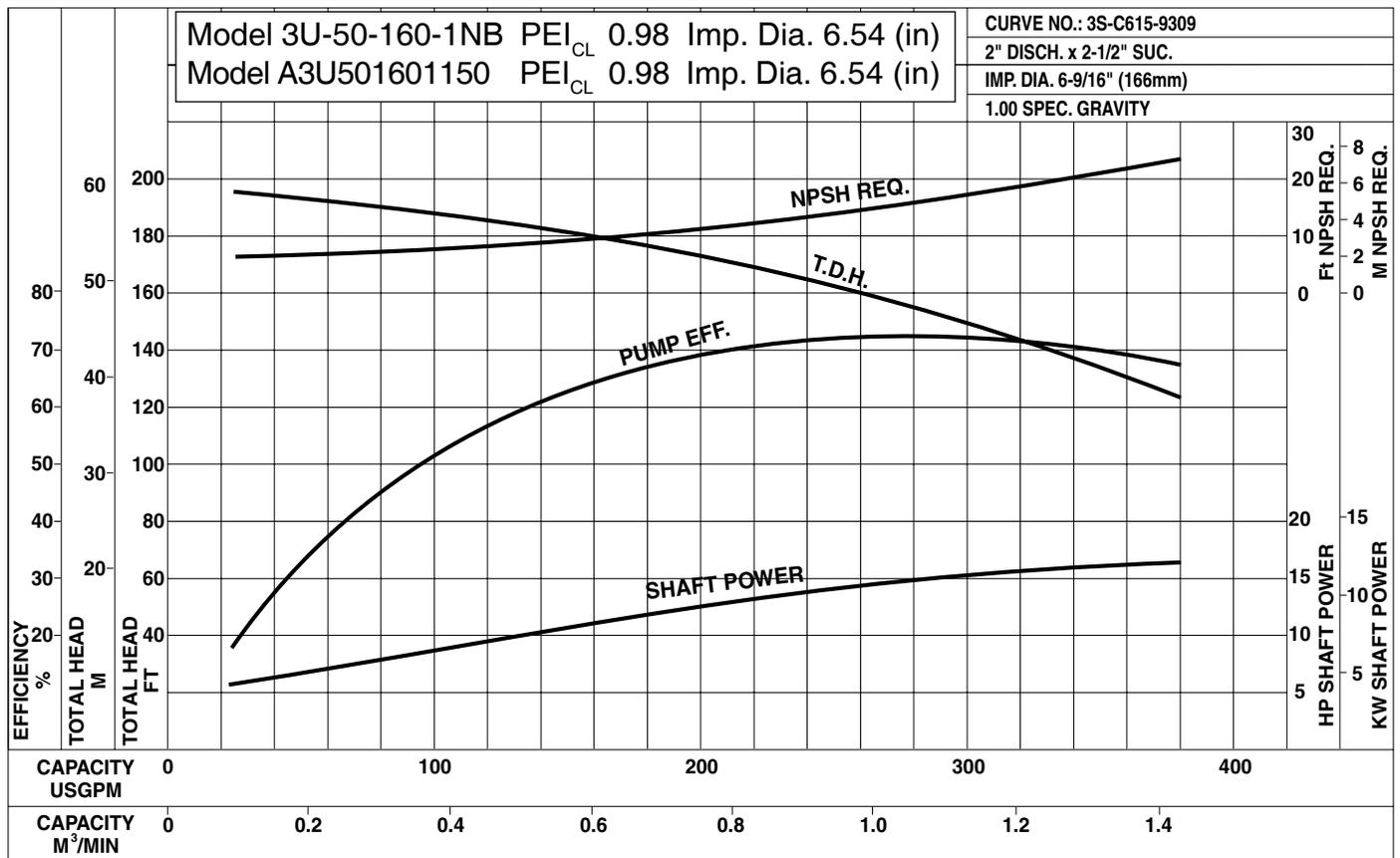


Performance Curves

3U 50-160-1-15HP

Nominal Speed: 3450 RPM

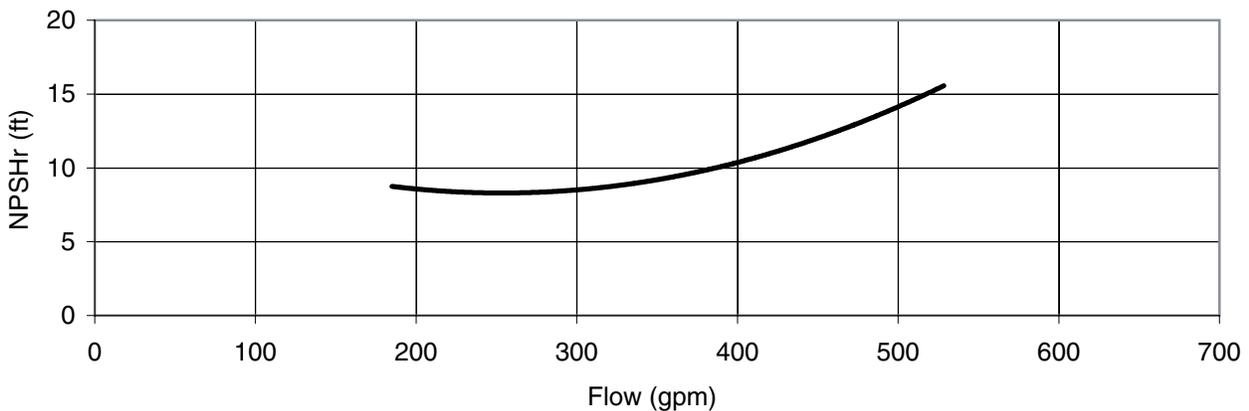
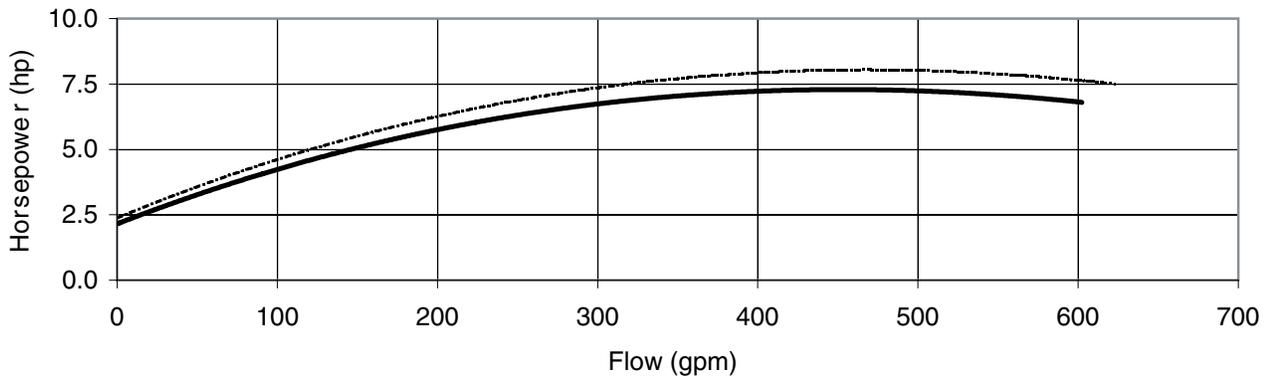
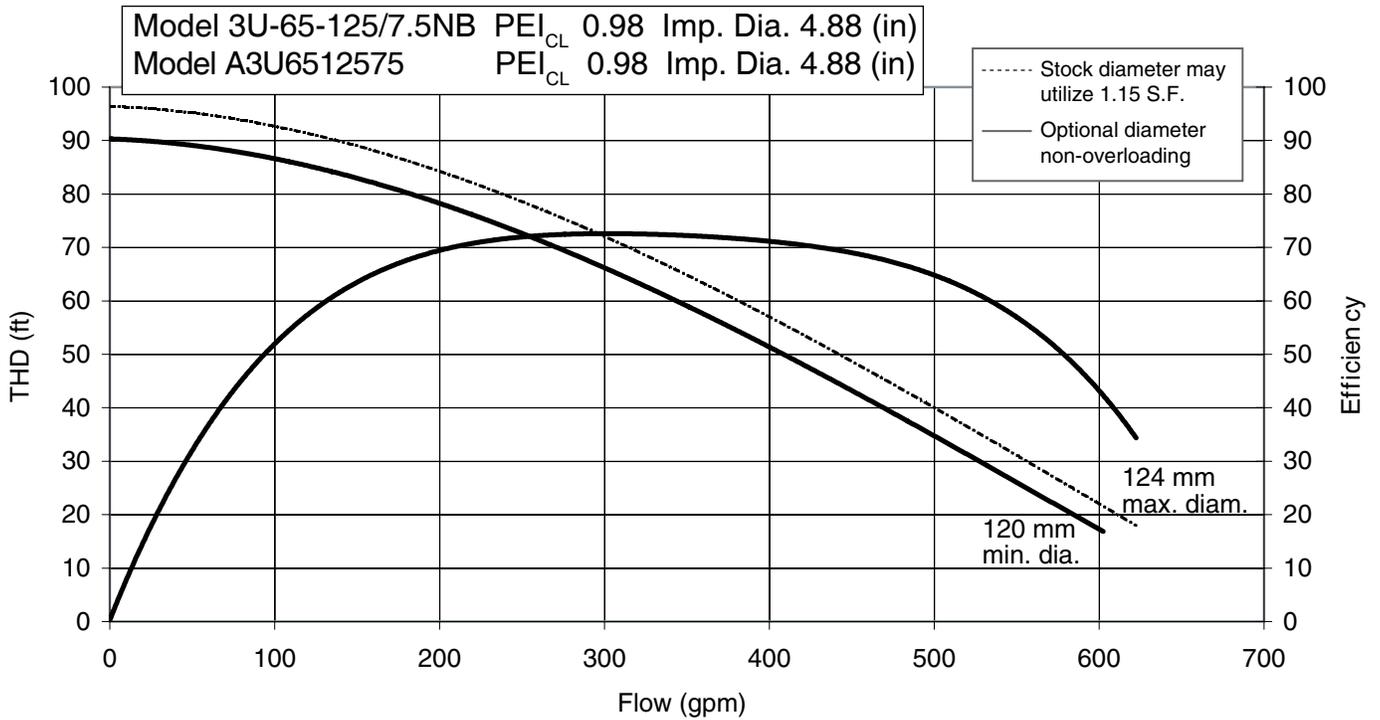
Size: 2 x 2½ x 6⅞



3U 65-125-7.5HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 4⅞ (124 mm)

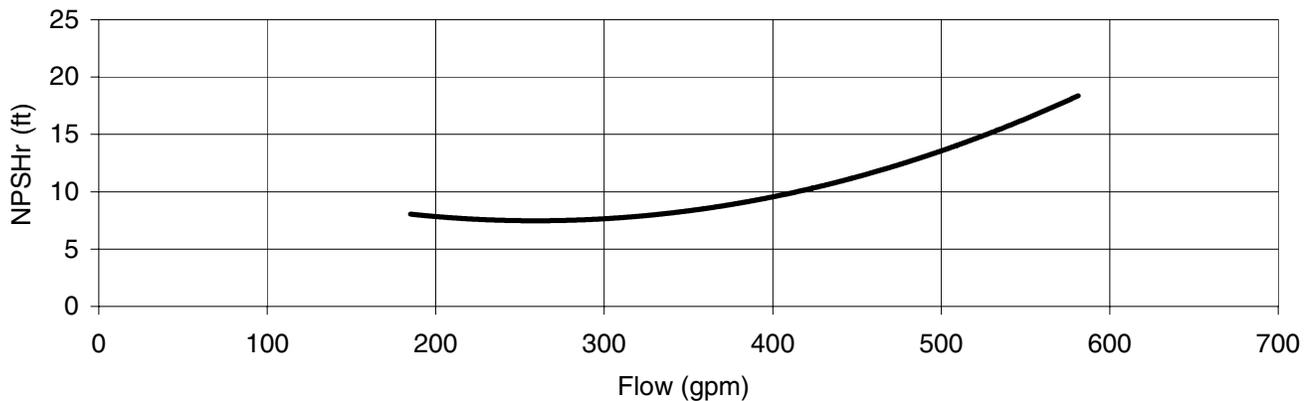
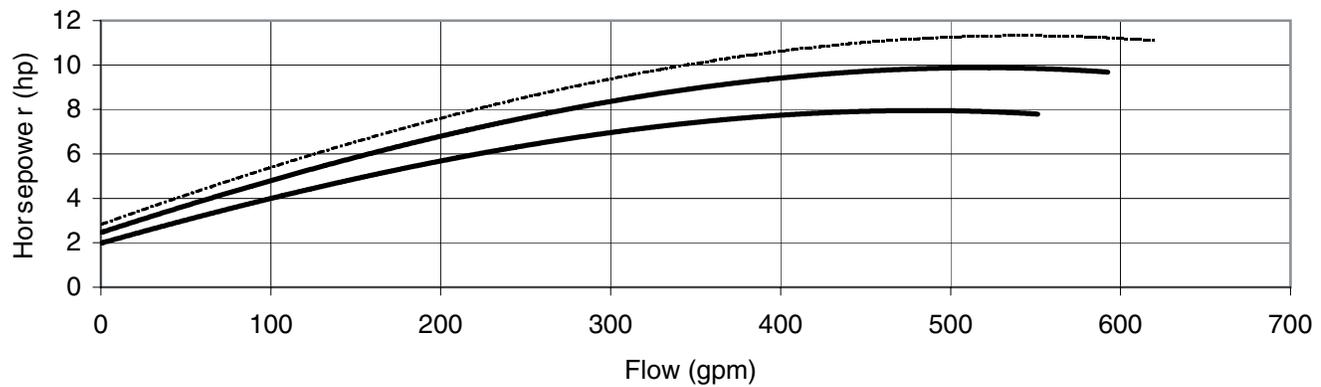
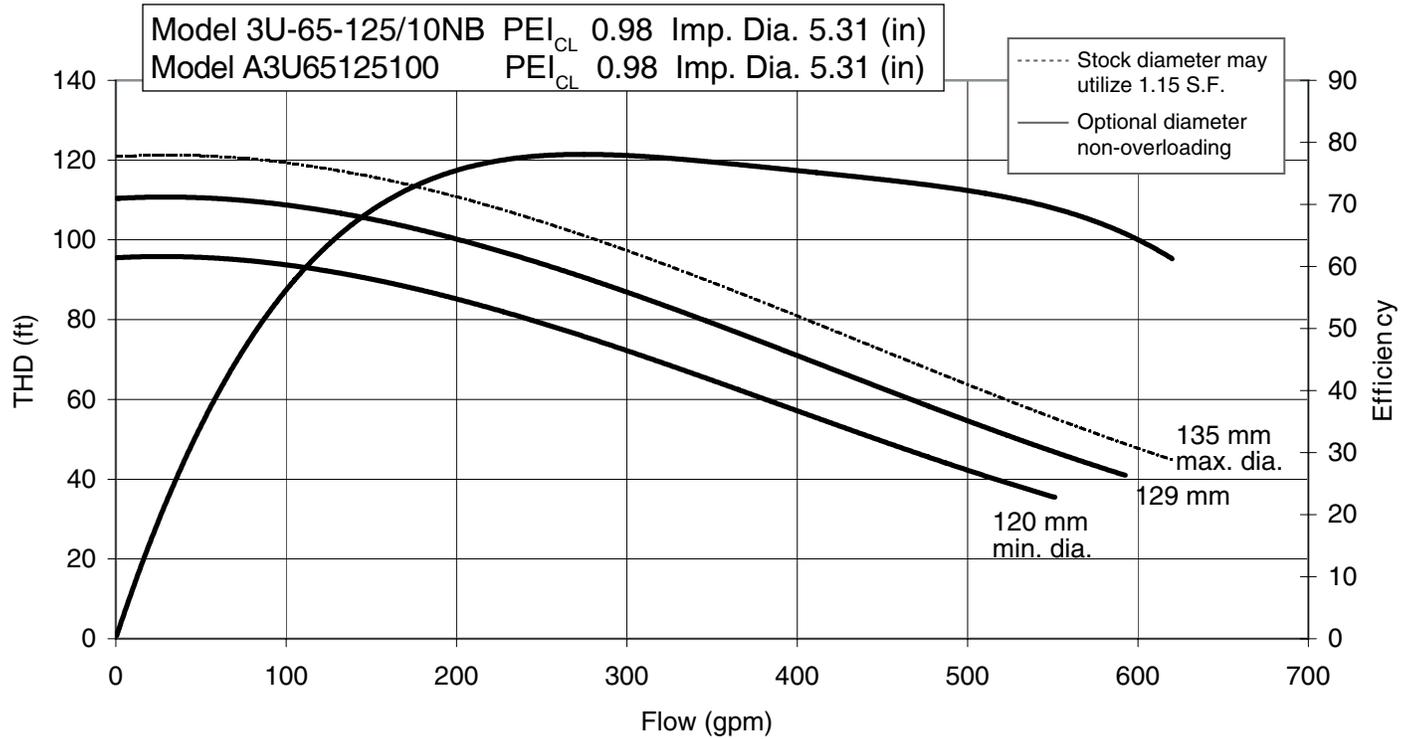


Performance Curves

3U 65-125-10HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 5⁵/₁₆ (135 mm)



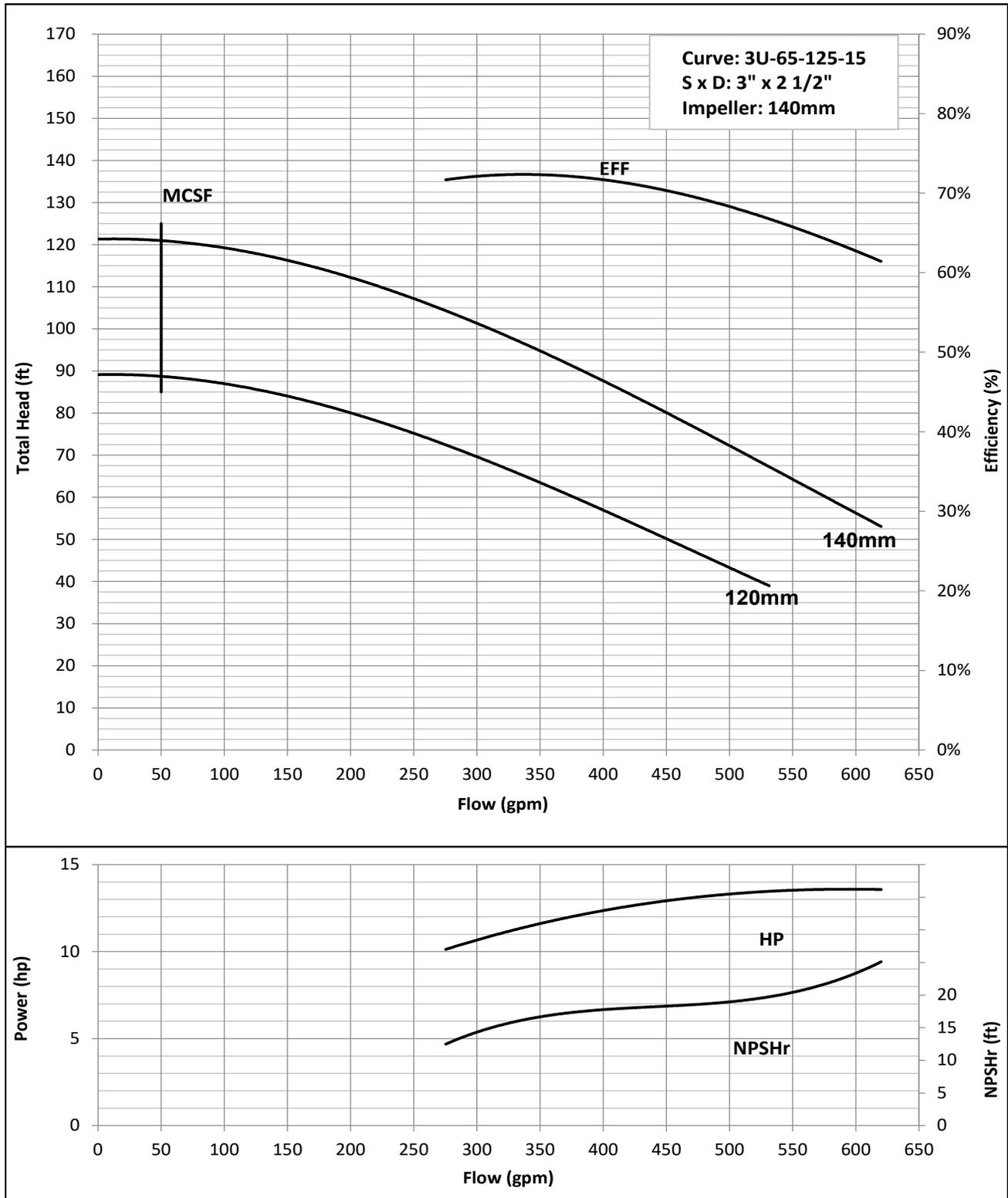
Performance Curves

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)



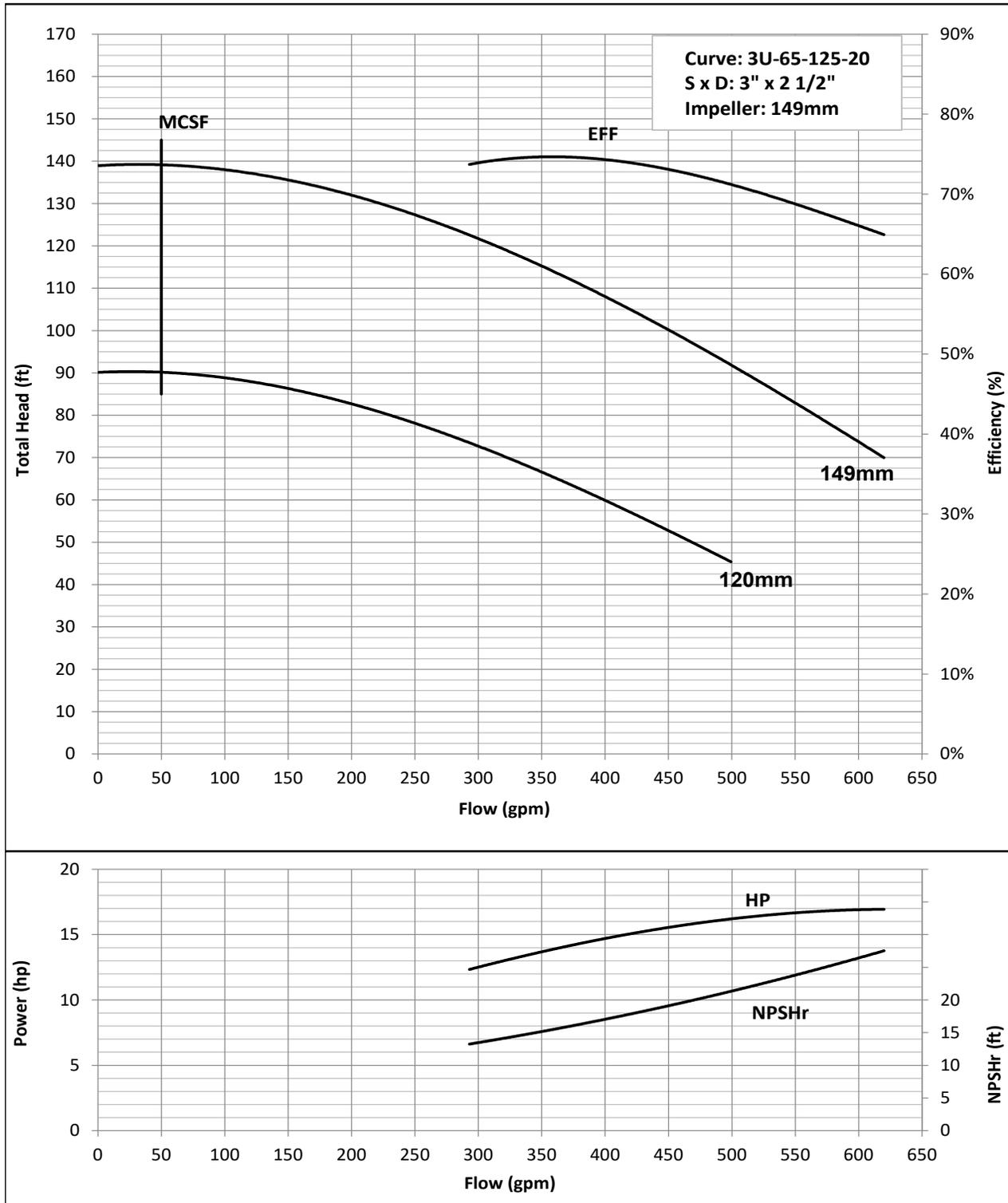
Performance Curves

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)



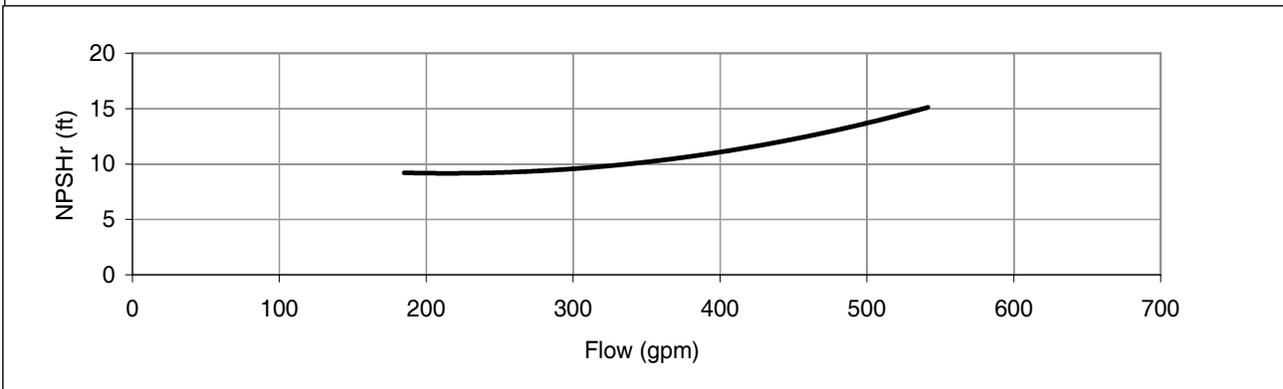
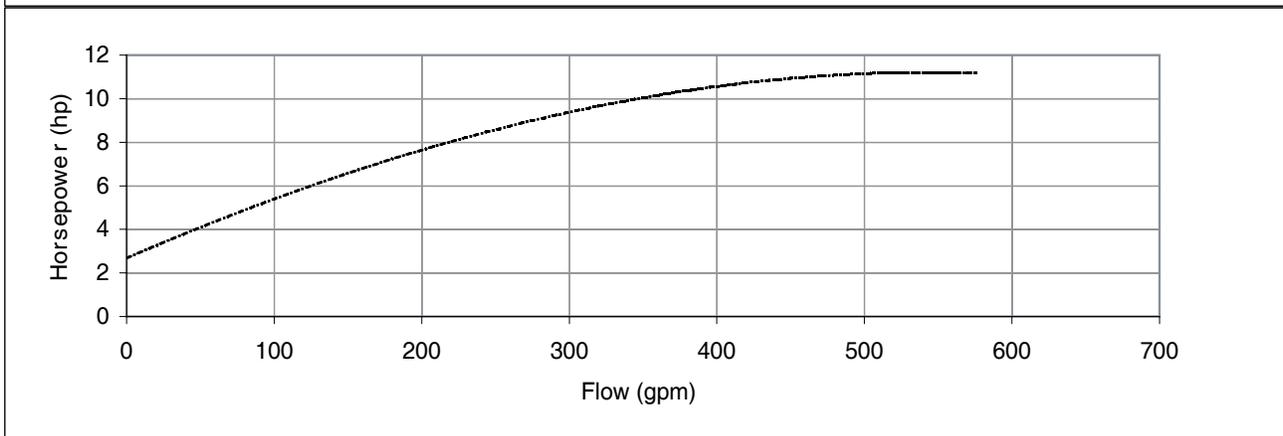
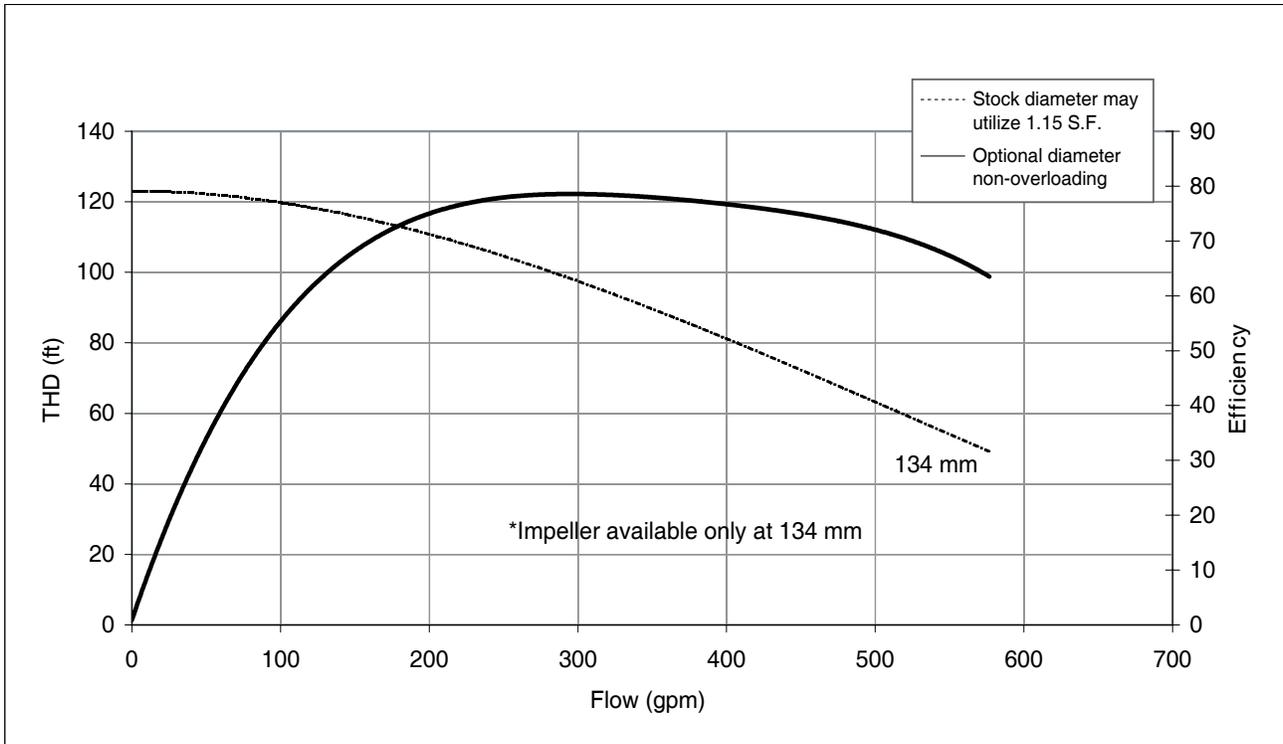
Performance Curves

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)



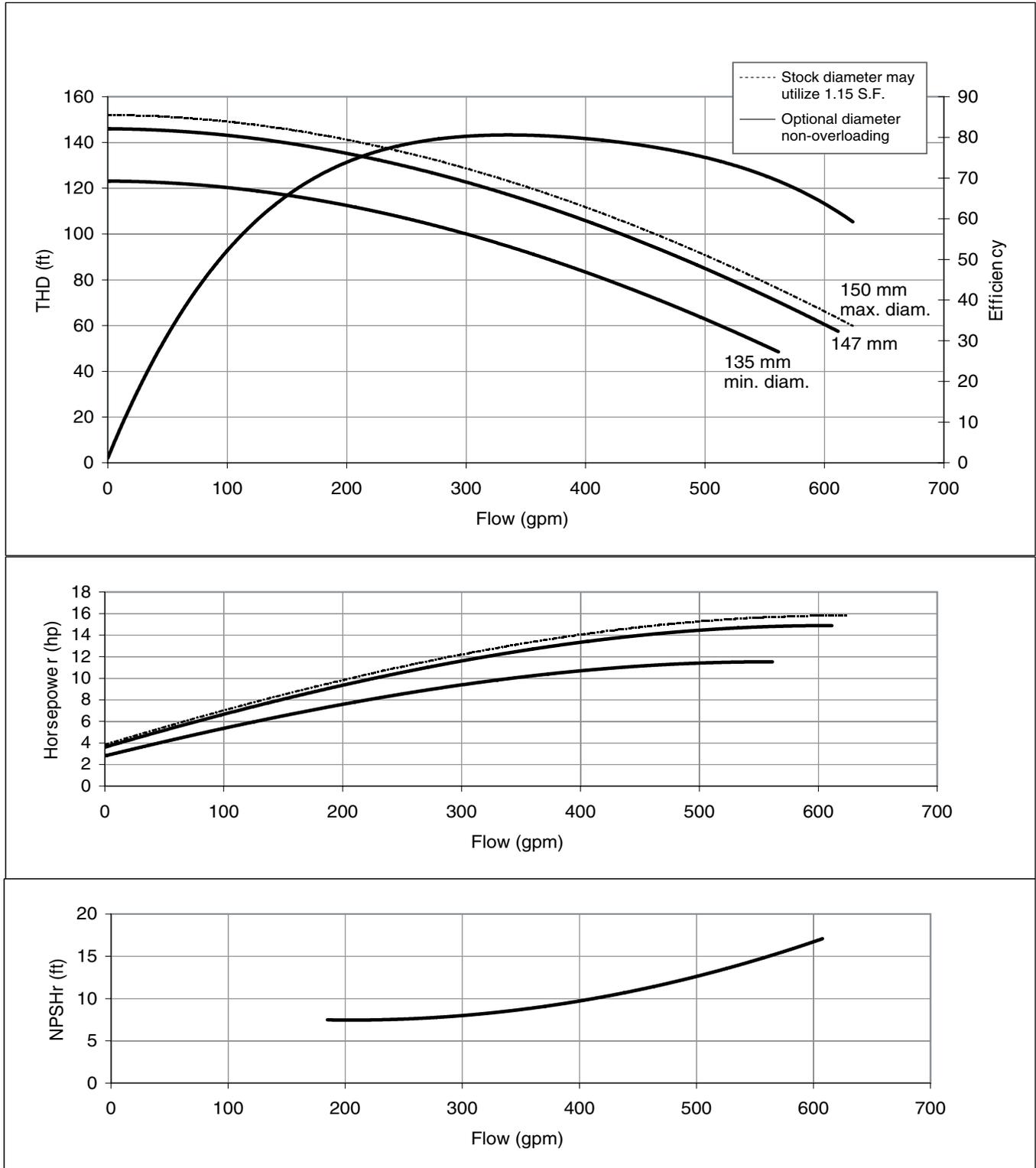
Performance Curves

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)

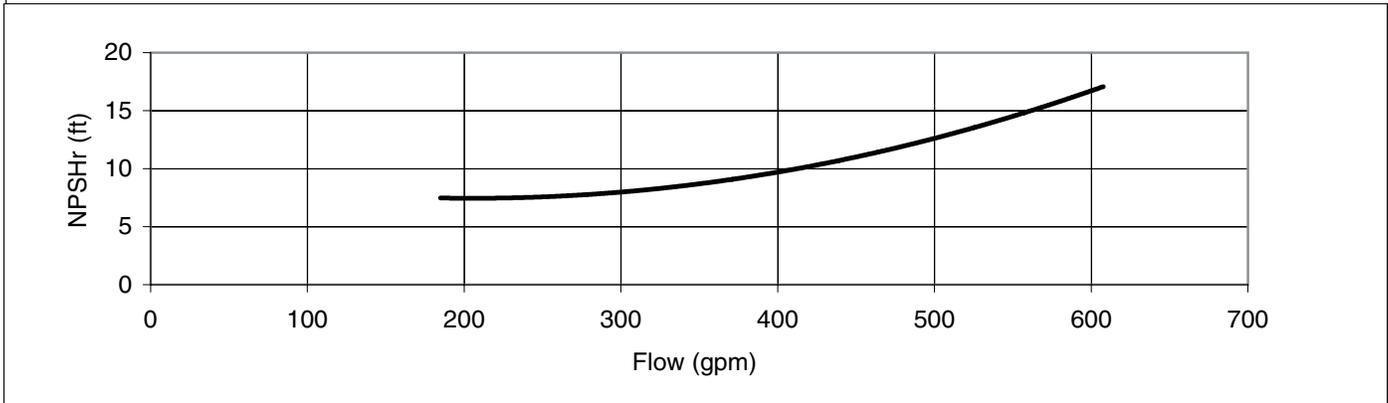
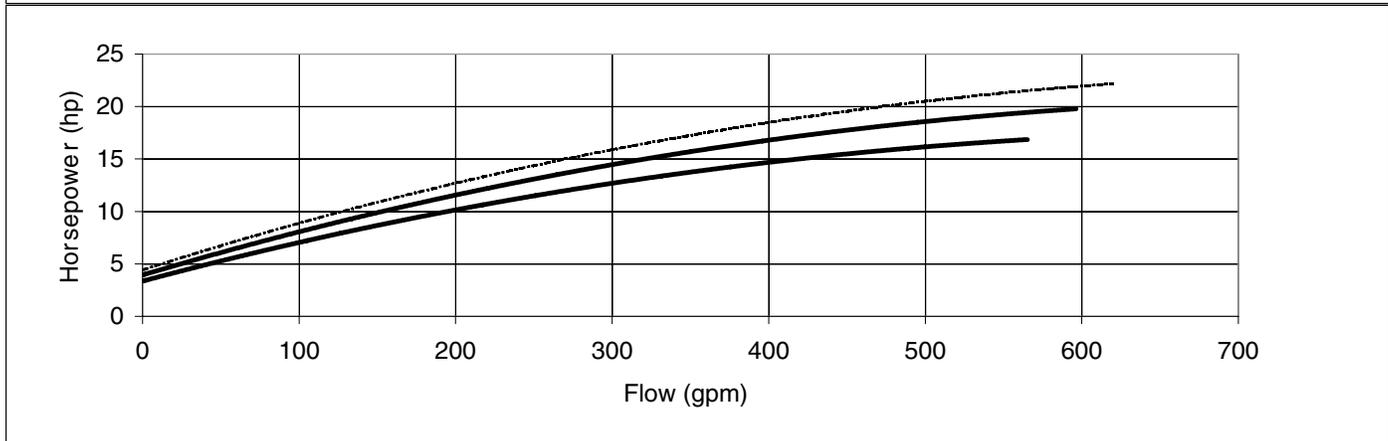
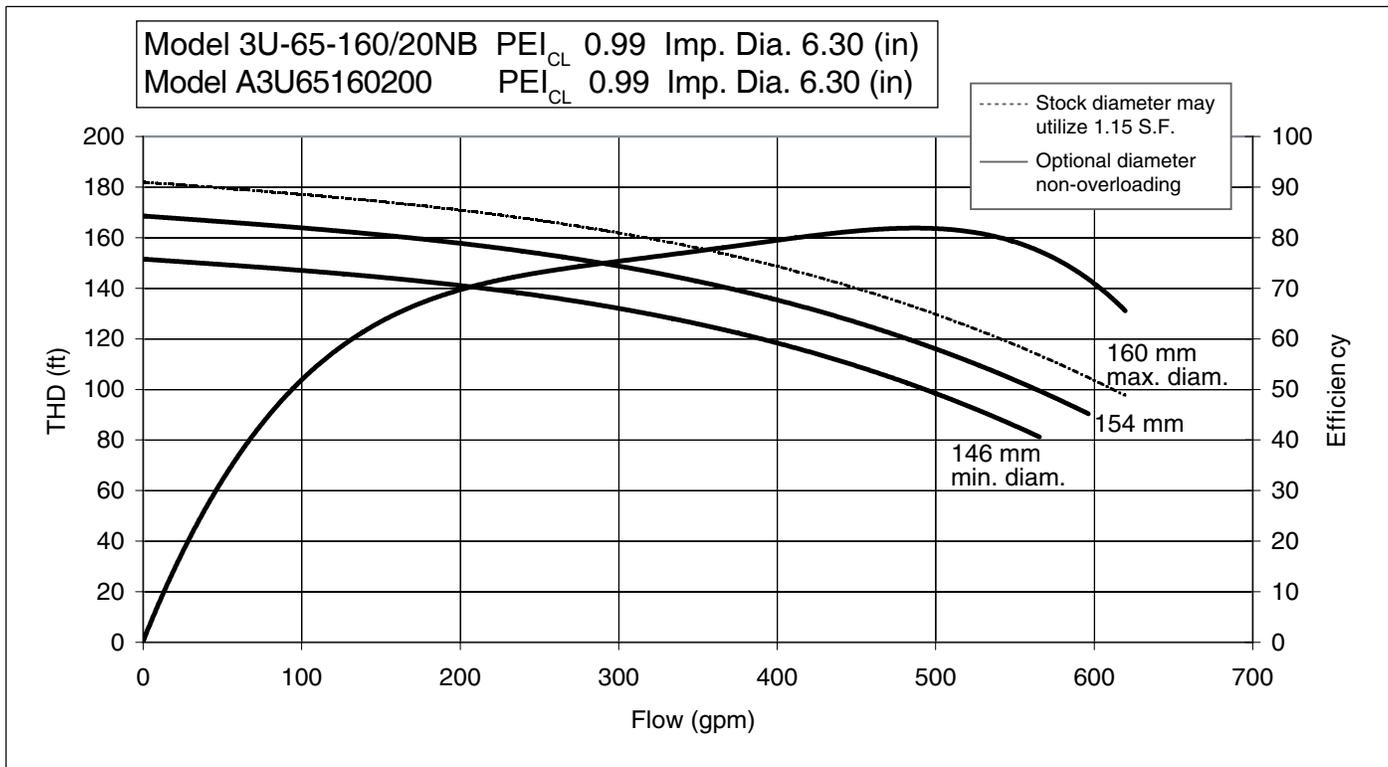


Performance Curves

3U 65-160-20HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 6⁵/₁₆ (160 mm)

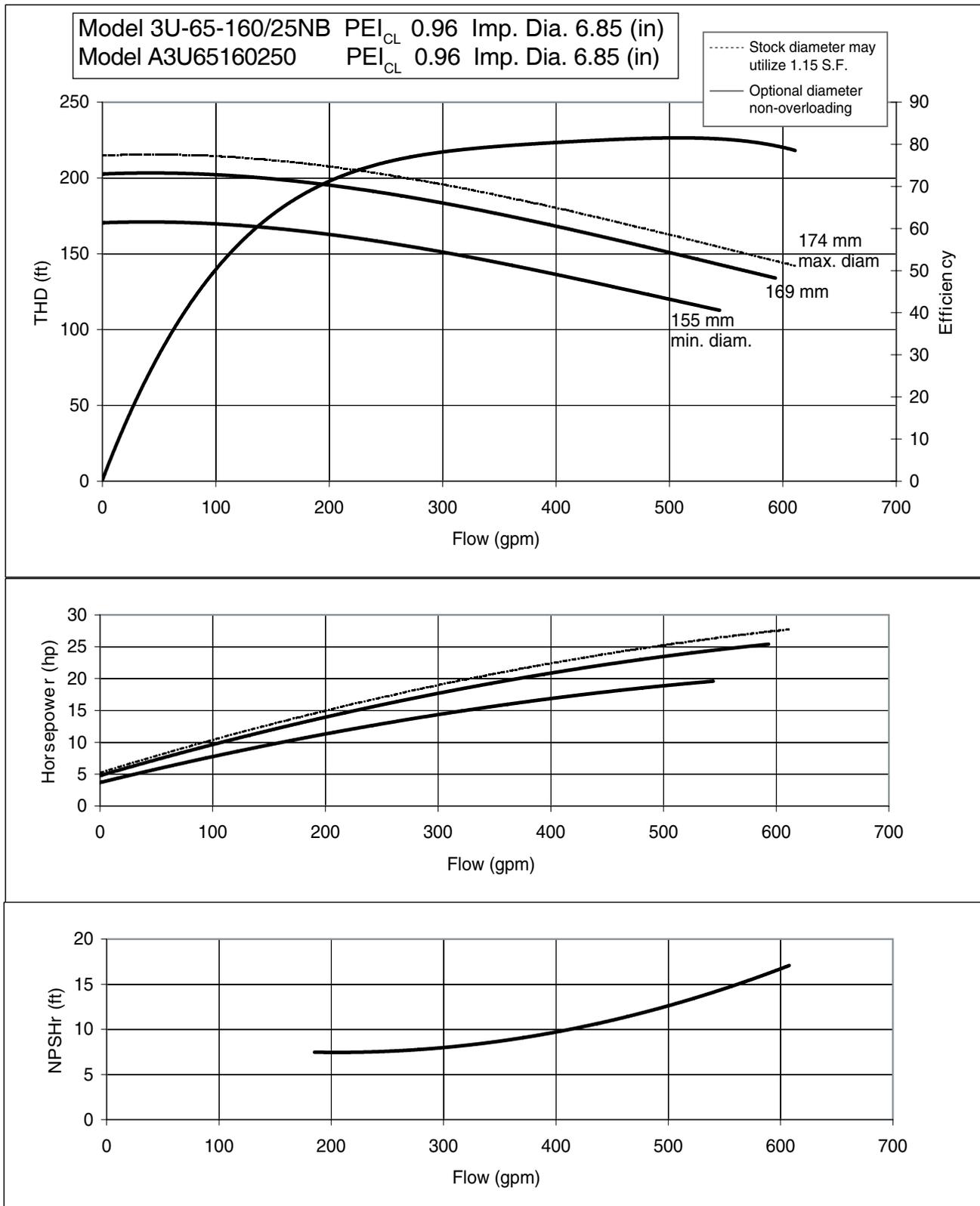


Performance Curves

3U 65-160-25HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 6⅞ (174 mm)



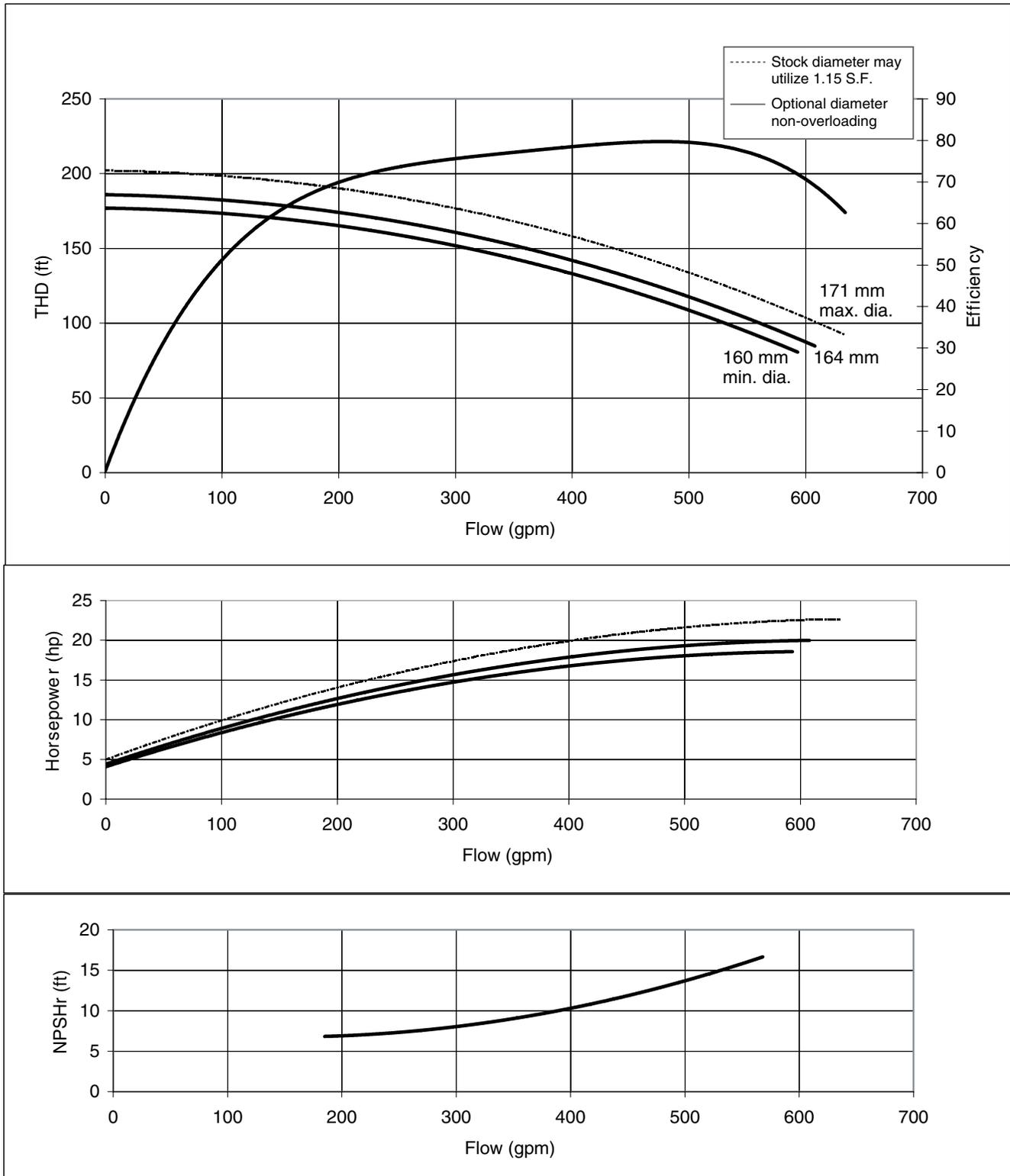
Performance Curves

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)

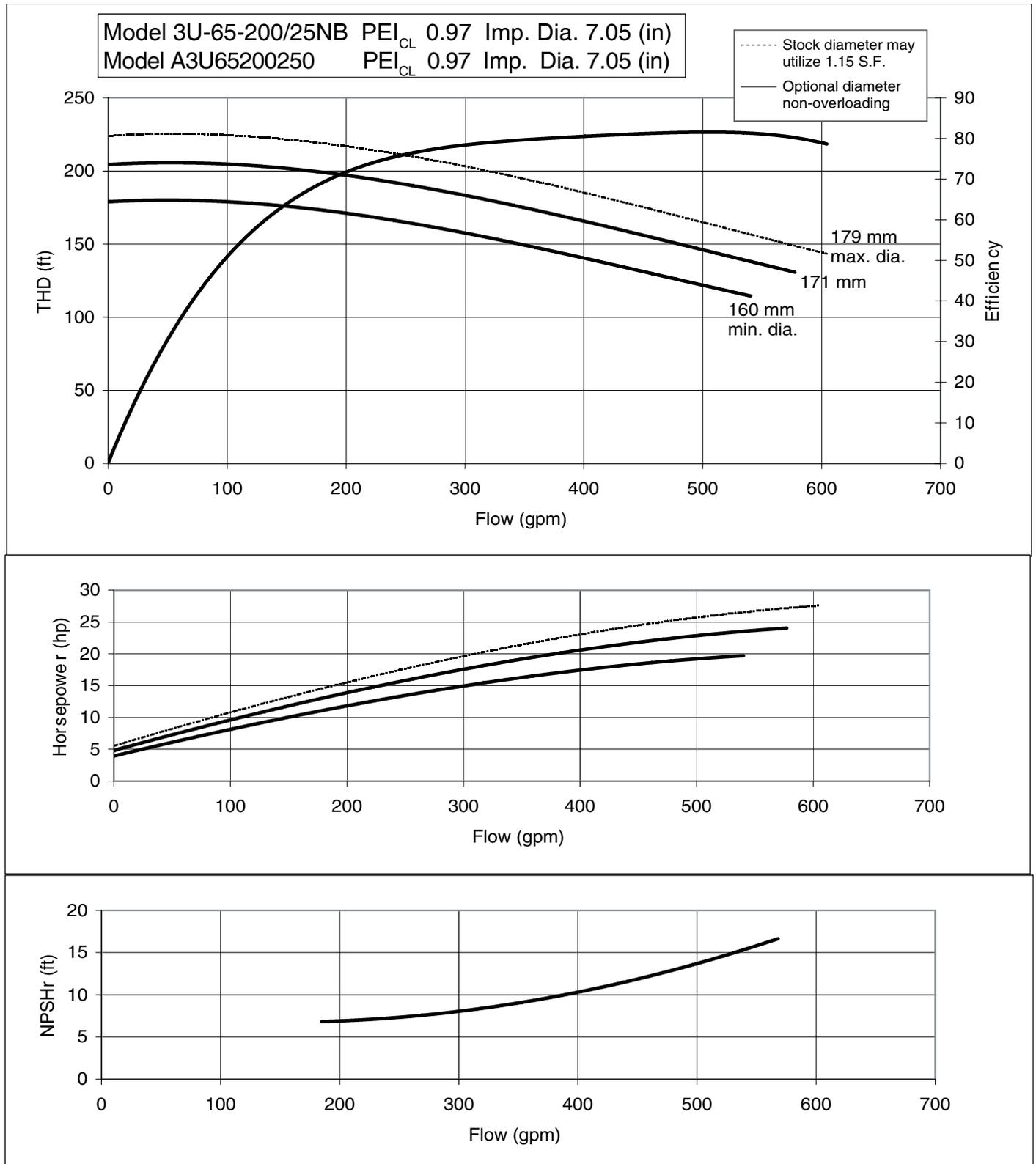


Performance Curves

3U 65-200-25HP

Nominal Speed: 3450 RPM

Size: 2½ x 3 x 7½ (179 mm)

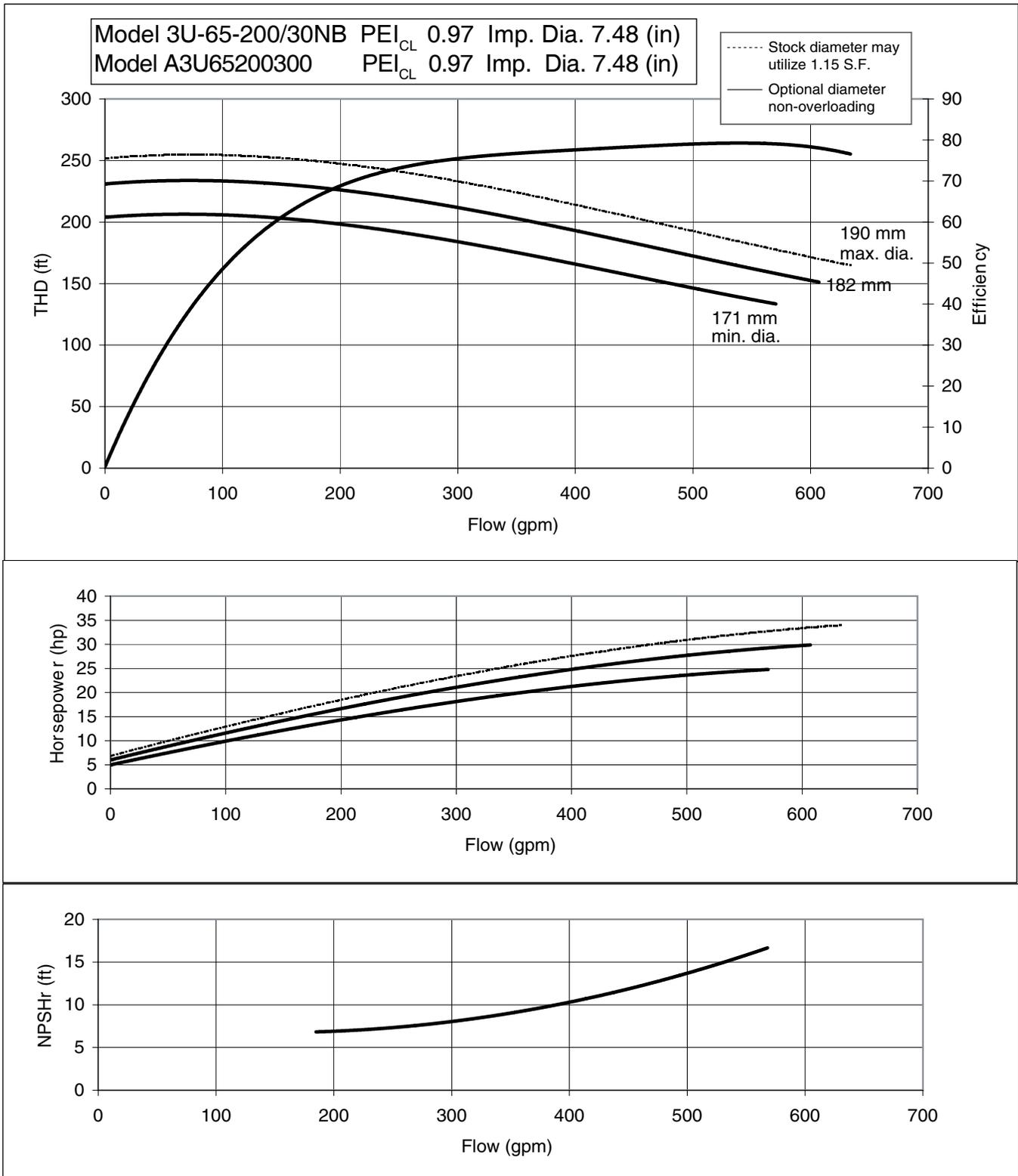


Performance Curves

3U 65-200-30HP

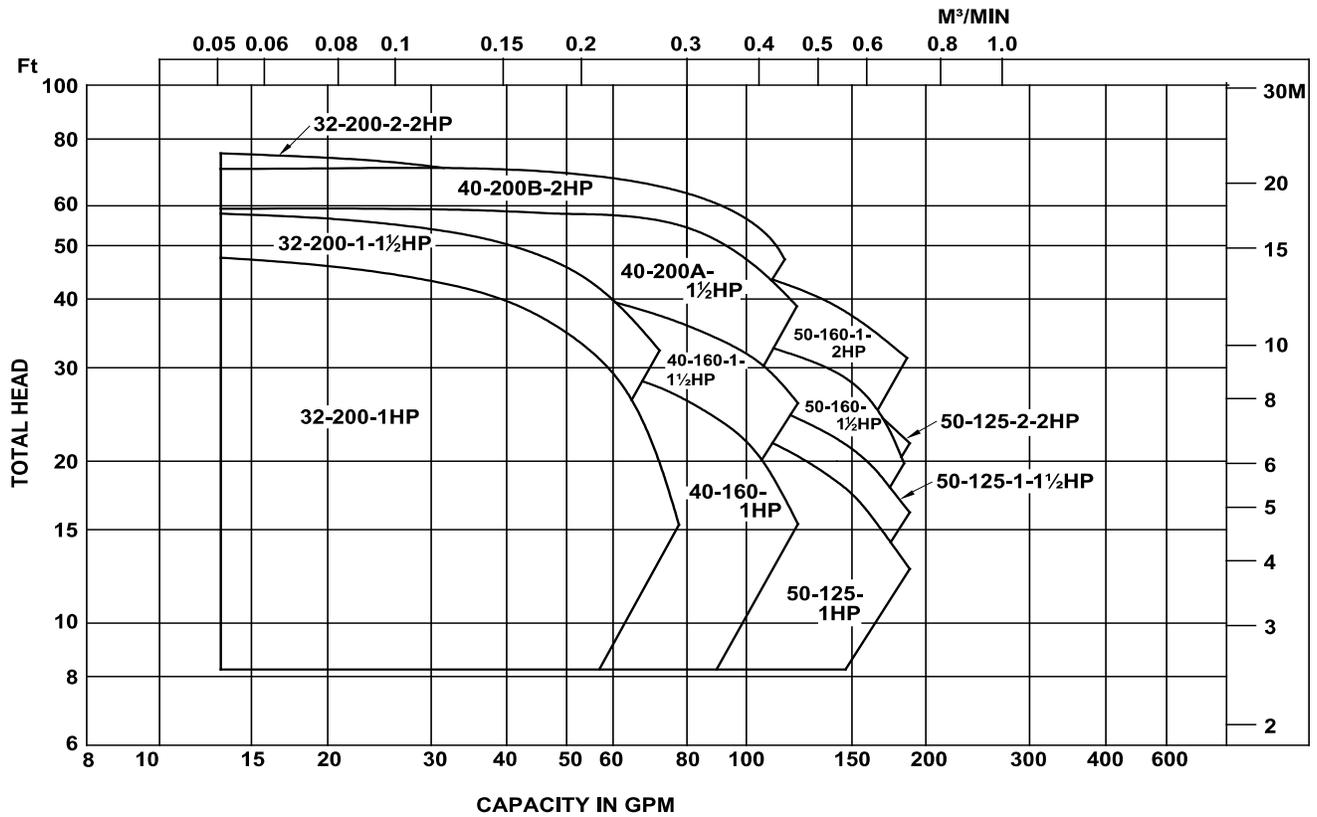
Nominal Speed: 3450 RPM

Size: 2½ x 3 x 7½ (190 mm)



Selection Chart

Nominal Speed 1725 PM



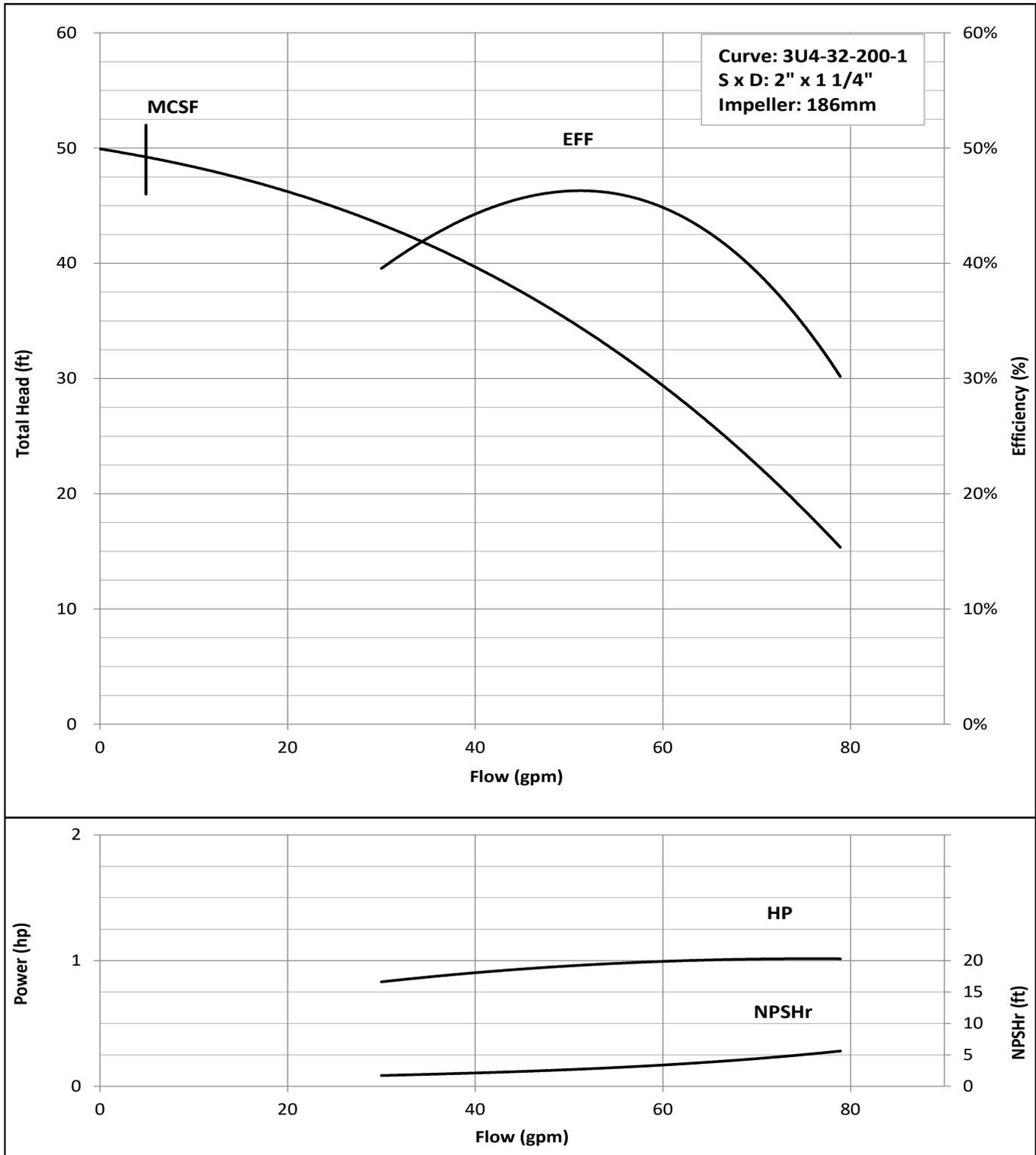
Performance Curves

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)



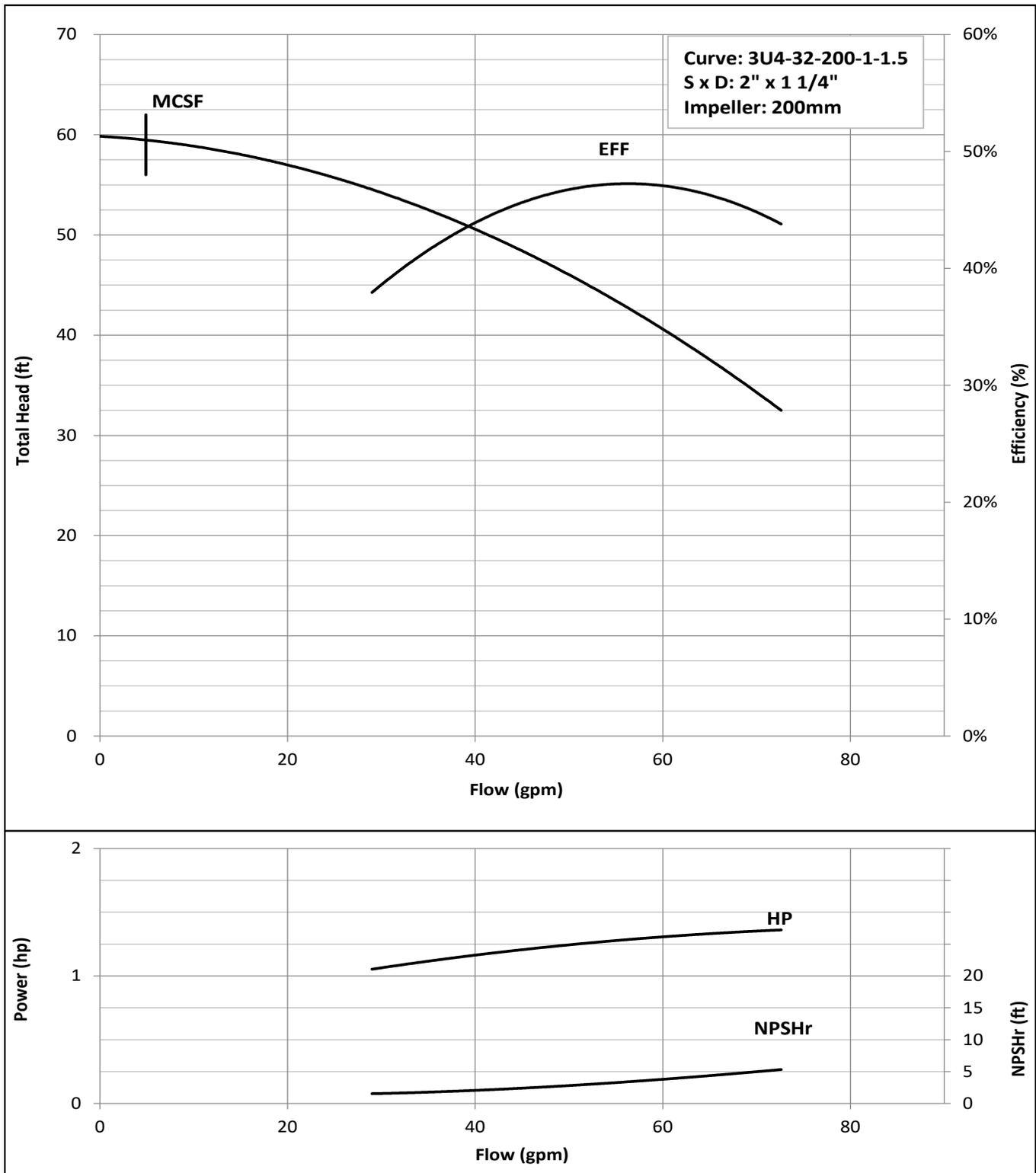
Performance Curves

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)



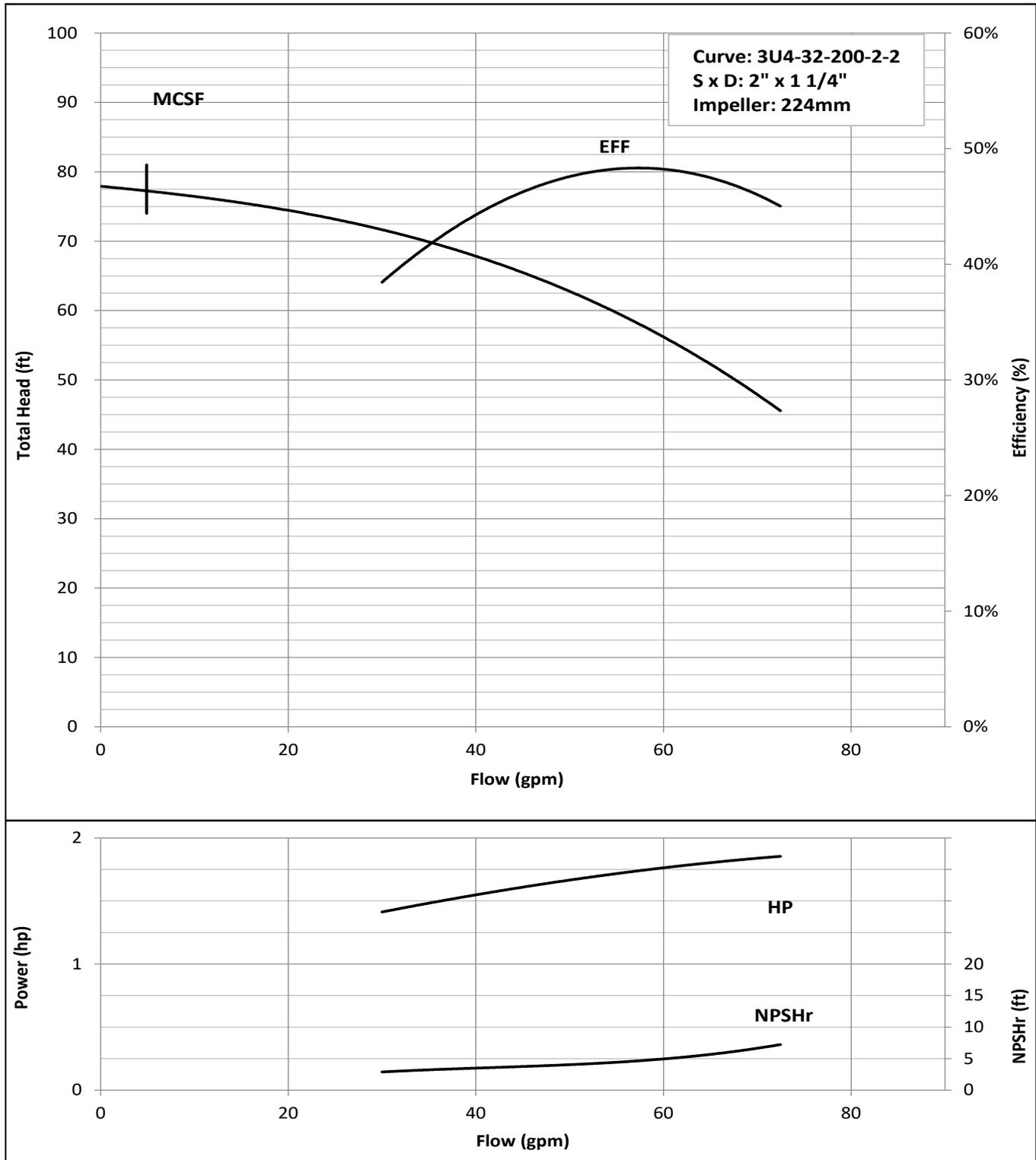
Performance Curves

3U4 32-200-2-2HP

Nominal Speed: 1725 RPM

Size: 1 1/4 x 2 x 8 13/16

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)



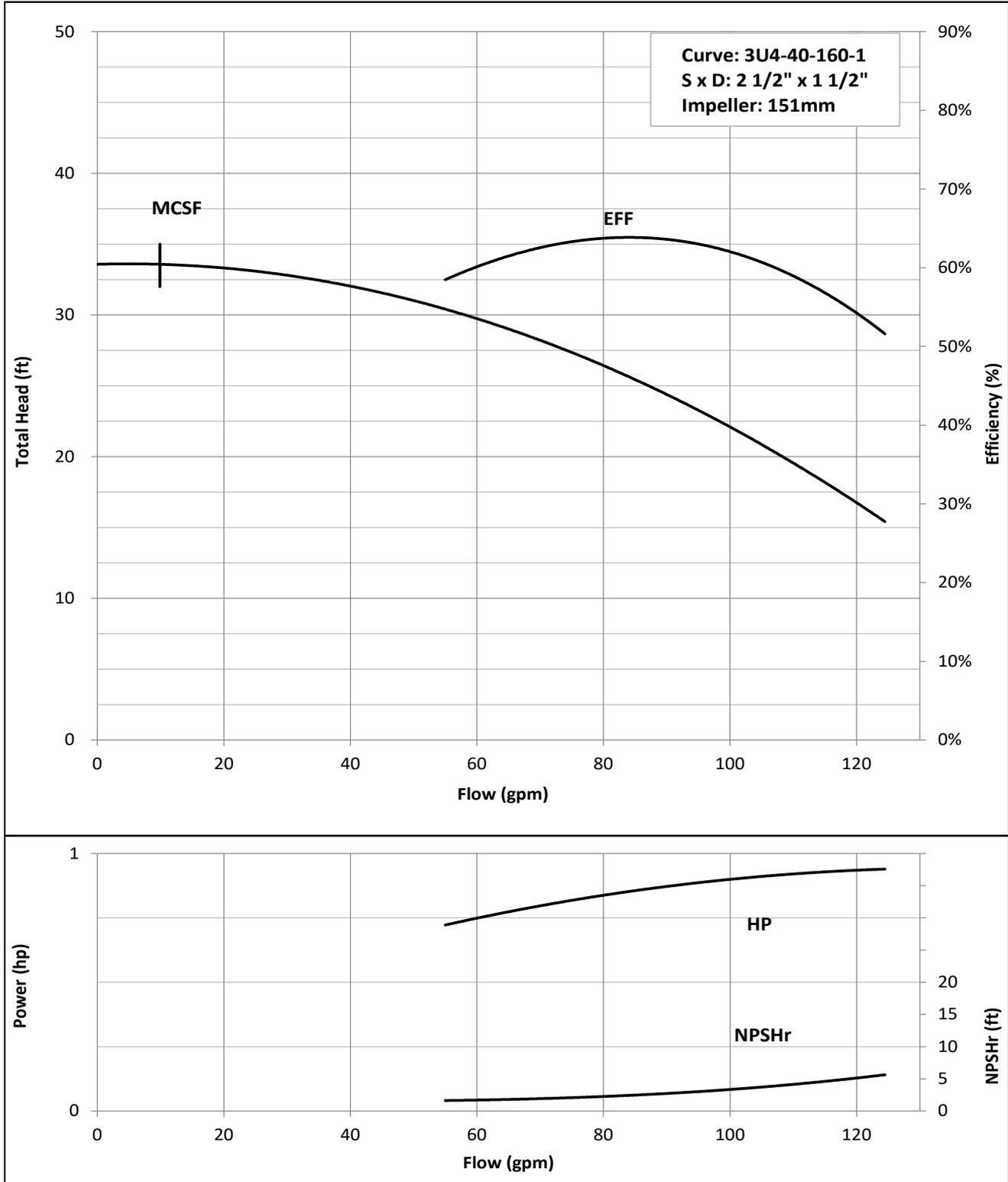
Performance Curves

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)



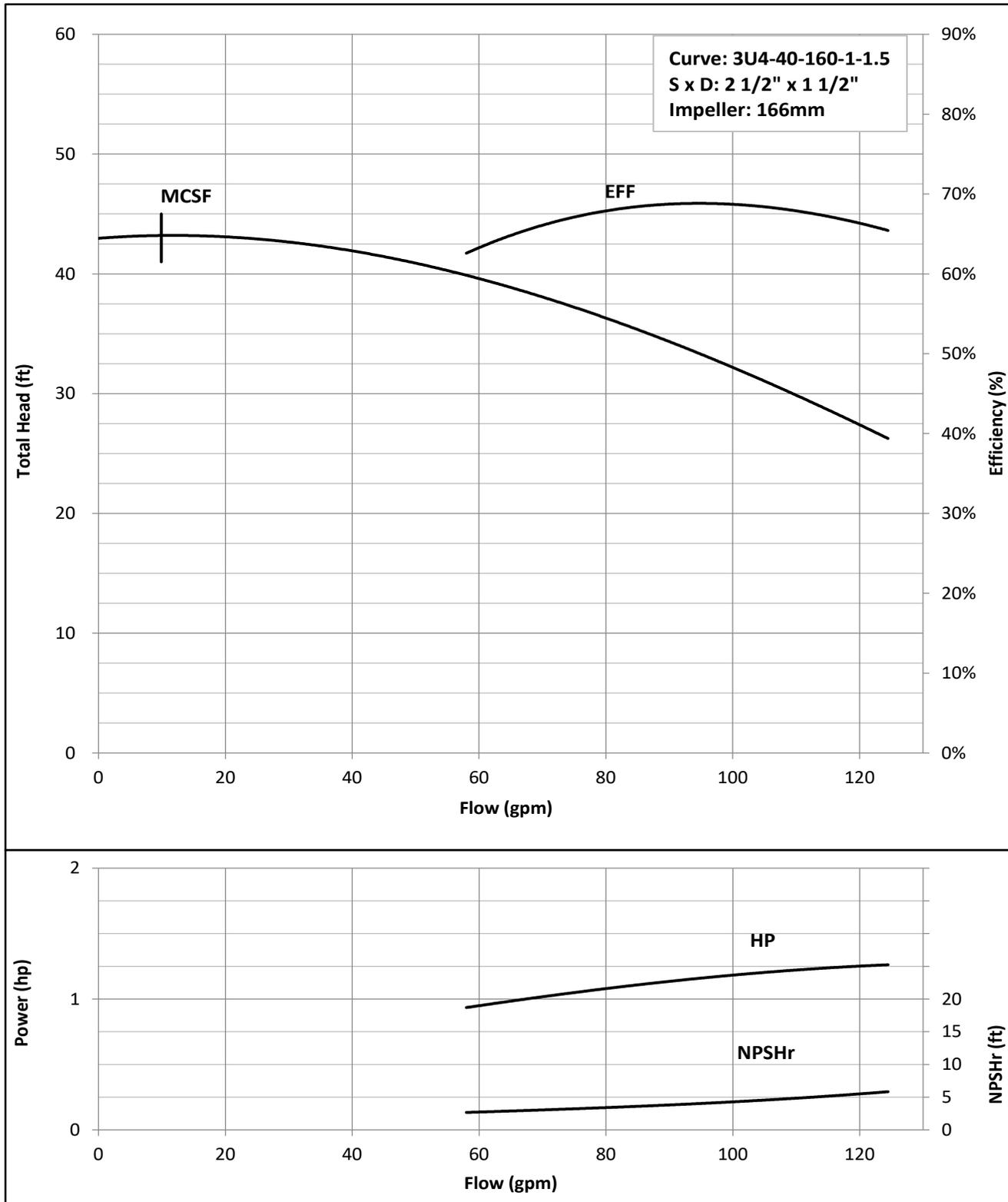
Performance Curves

3U4 40-160-1-1½HP

Nominal Speed: 1725 RPM

Size: 1½ x 2½ x 6½

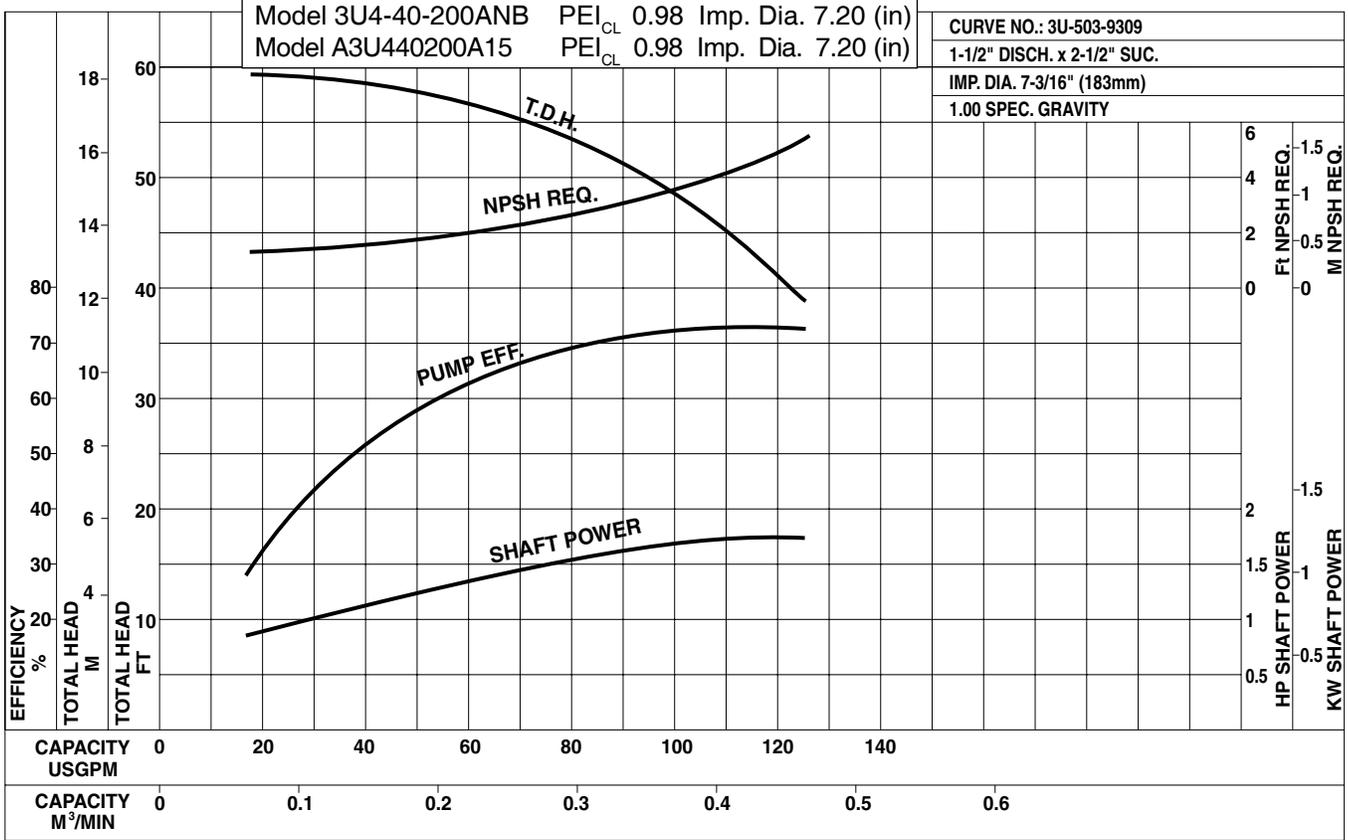
Model 3U4-40-160-1NB PEI_{CL} 0.95 Imp. Dia. 6.54 (in)
 Model A3U440160115 PEI_{CL} 0.95 Imp. Dia. 6.54 (in)



3U4 40-200A-1½HP

Nominal Speed: 1725 RPM

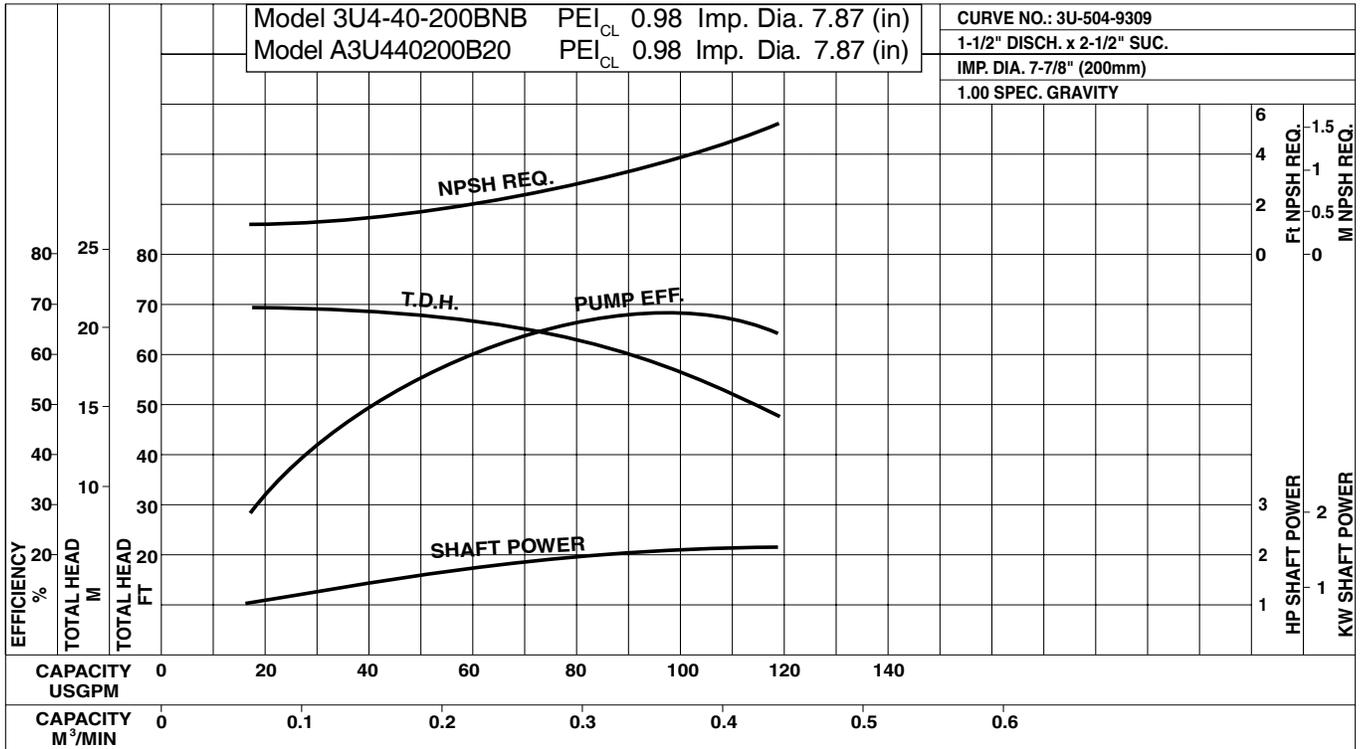
Size: 1½ x 2½ x 7¾



3U4 40-200B-2HP

Nominal Speed: 1725 RPM

Size: 1½ x 2½ x 7¾



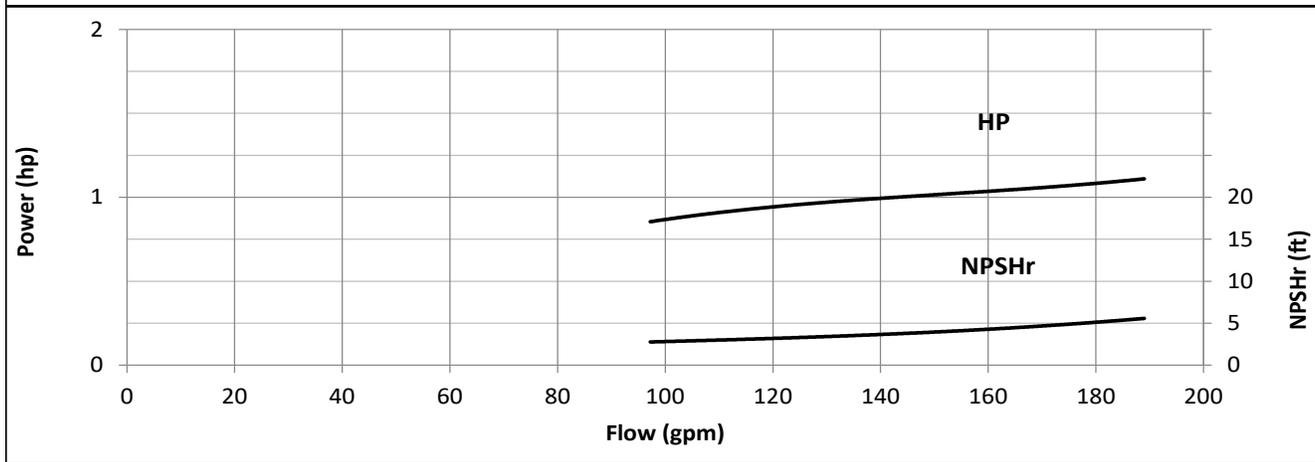
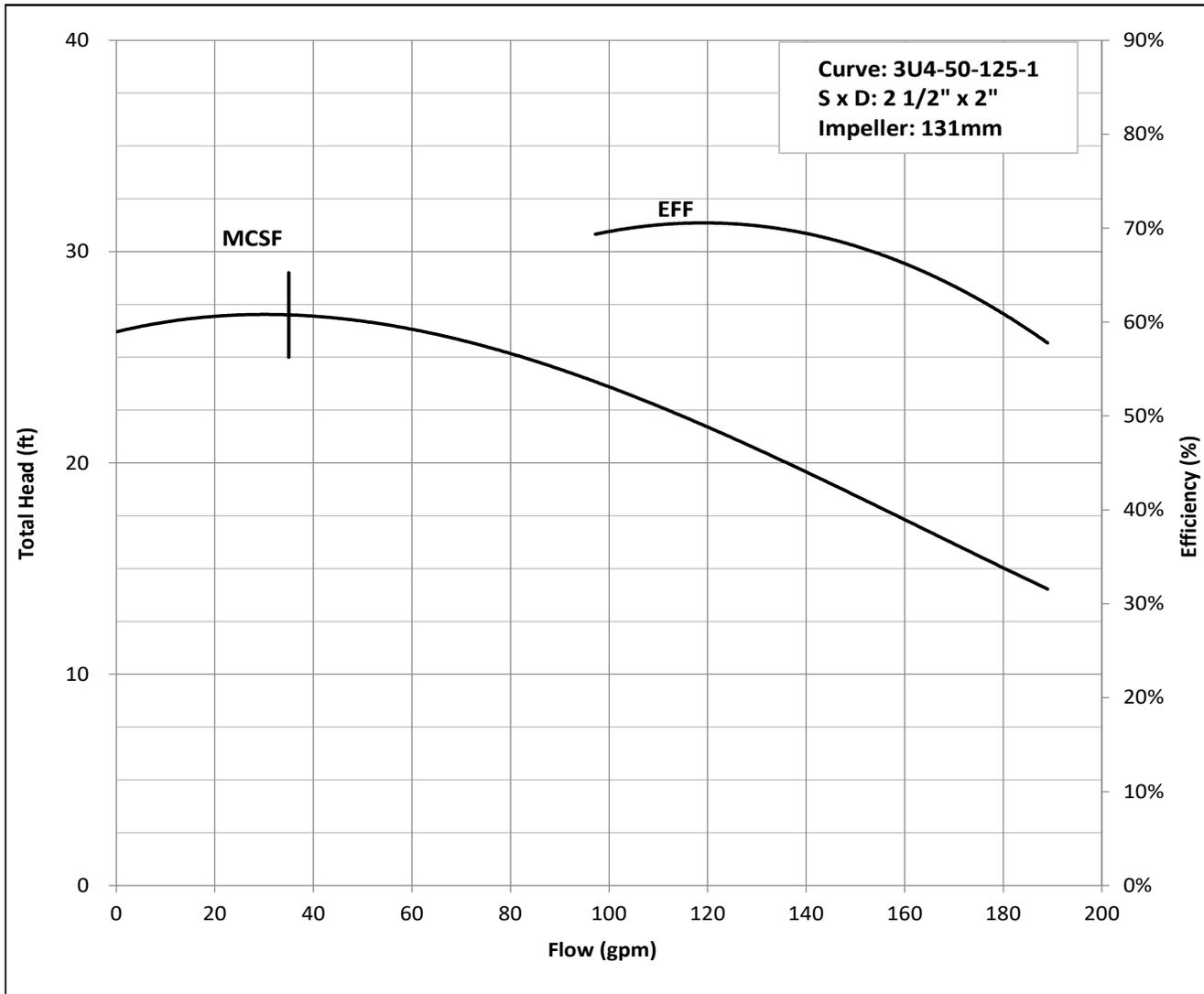
Performance Curves

3U4 50-125-1HP

Nominal Speed: 1725 RPM

Size: 2 x 2½ x 5³/₁₆

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



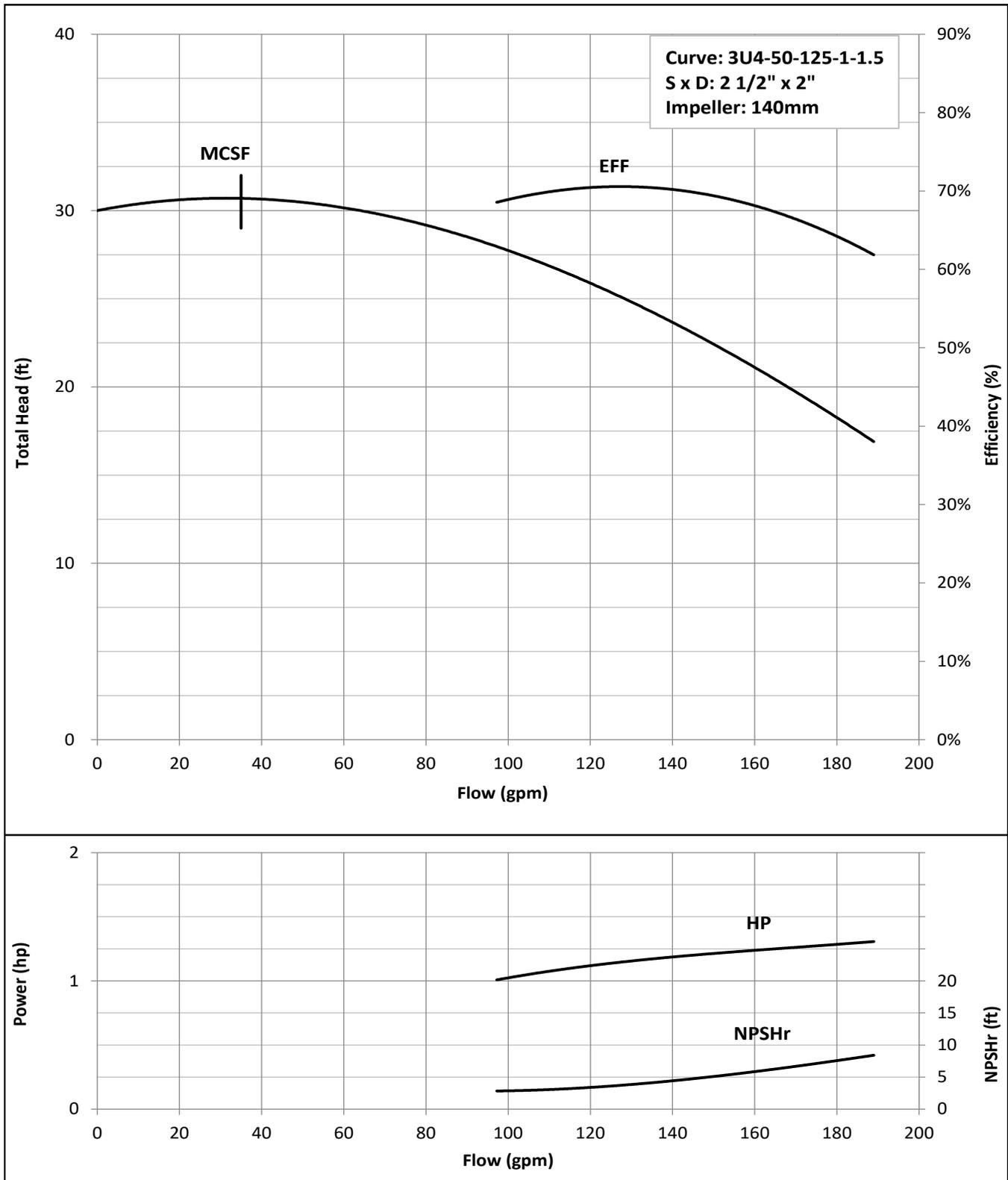
Performance Curves

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)



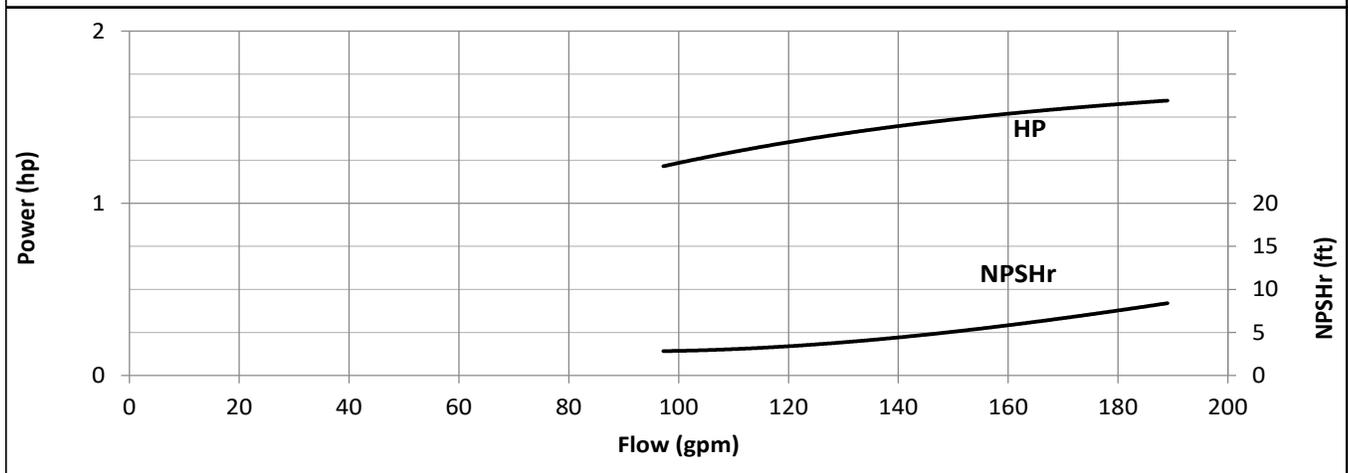
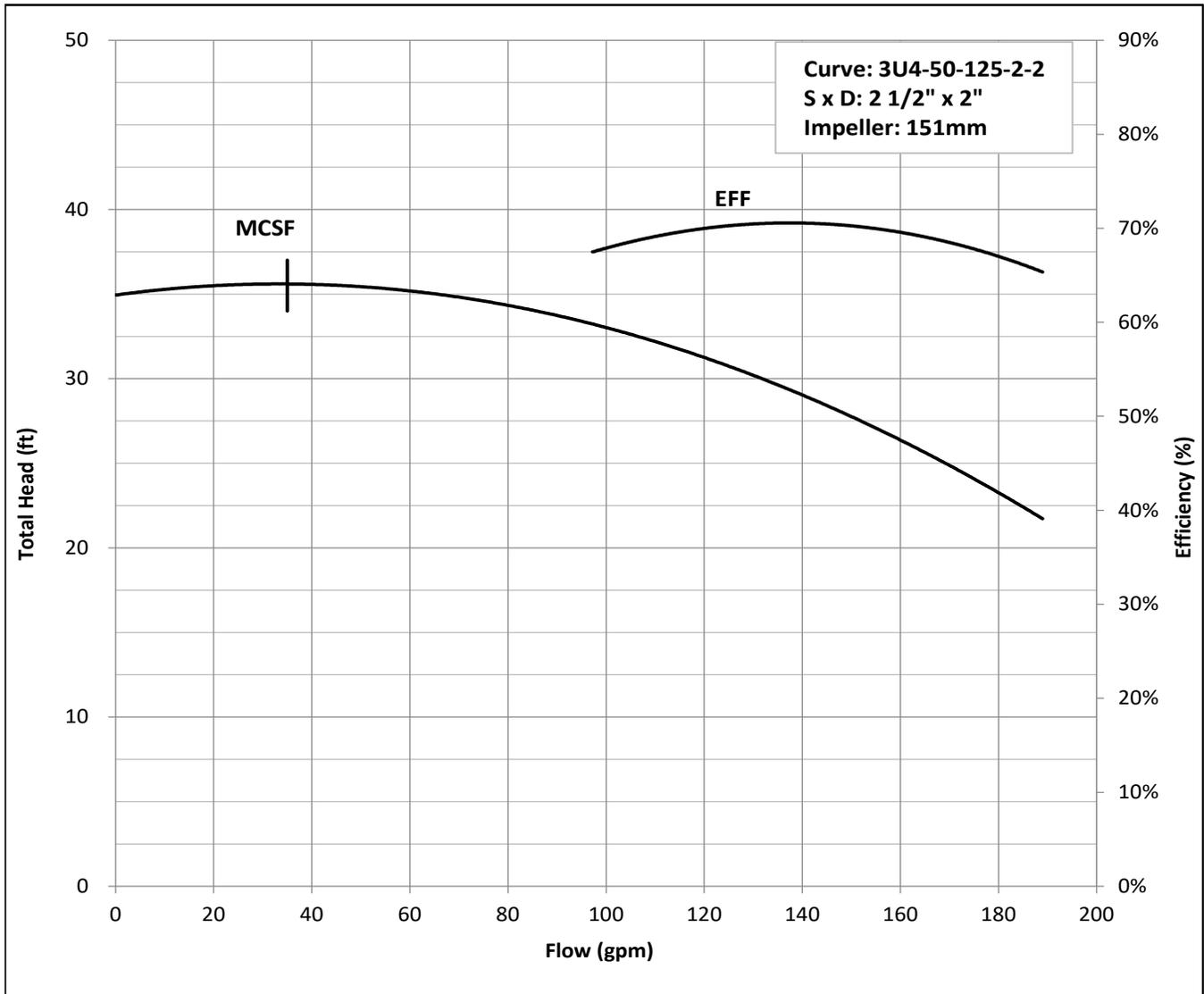
Performance Curves

3U4 50-125-2-2HP

Nominal Speed: 1725 RPM

Size: 2 x 2 1/2 x 5 15/16

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)

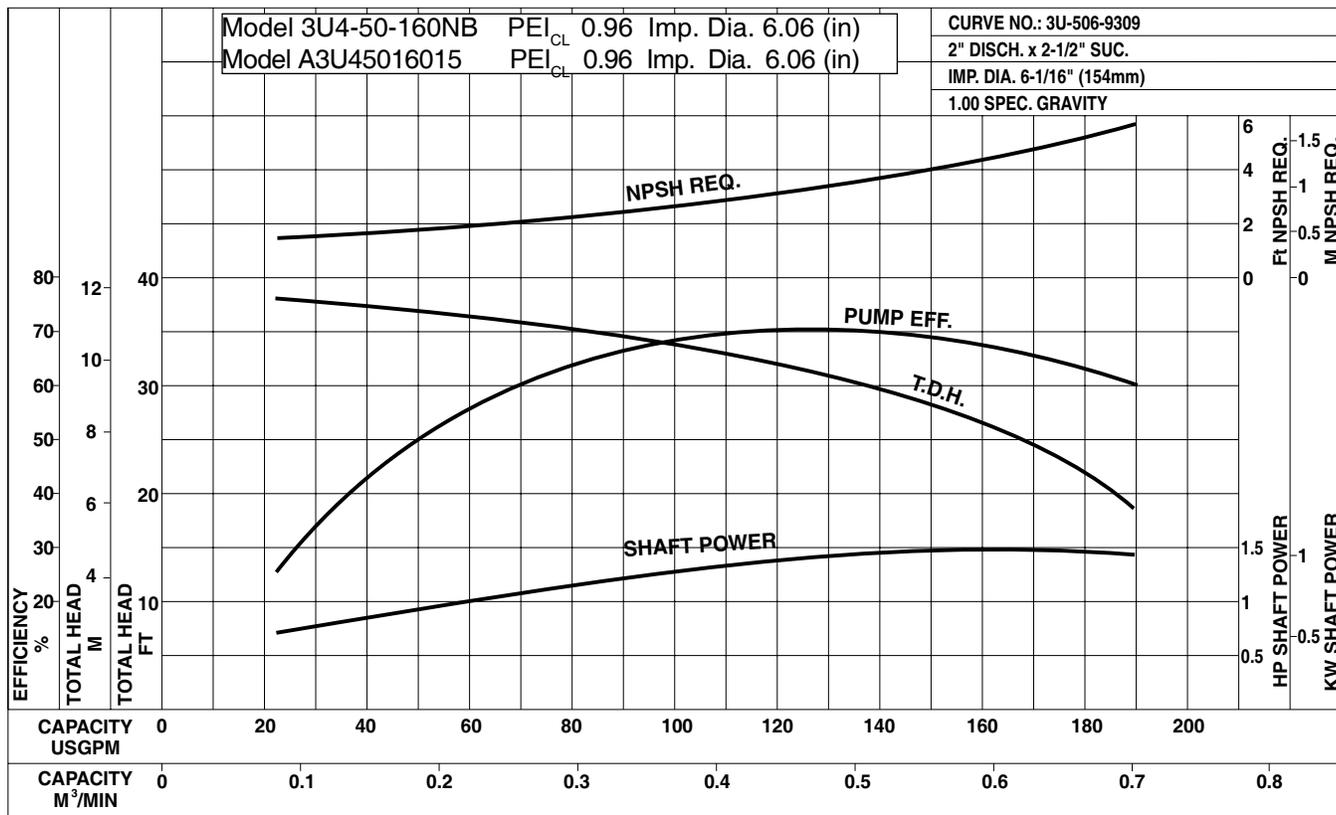


Performance Curves

3U4 50-160-1½HP

Nominal Speed: 1725 RPM

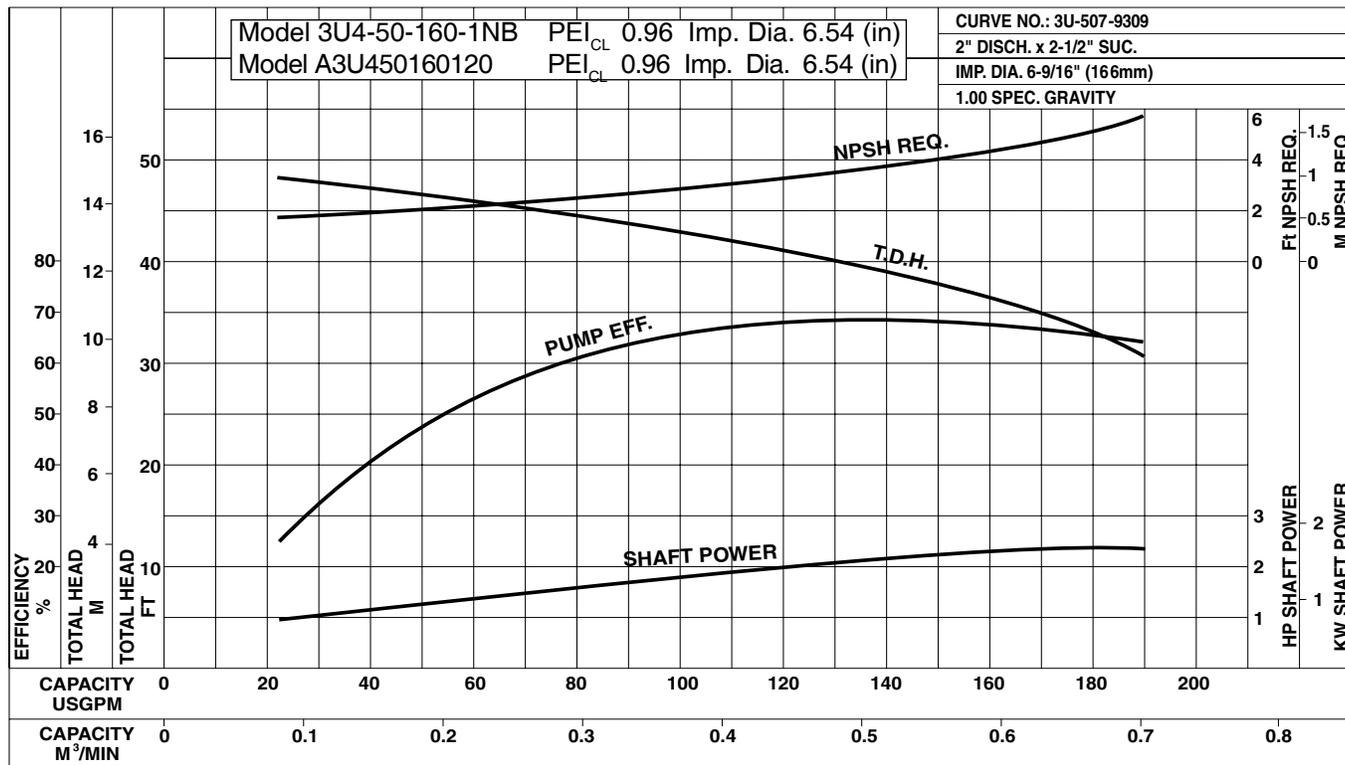
Size: 2 x 2½ x 6¼



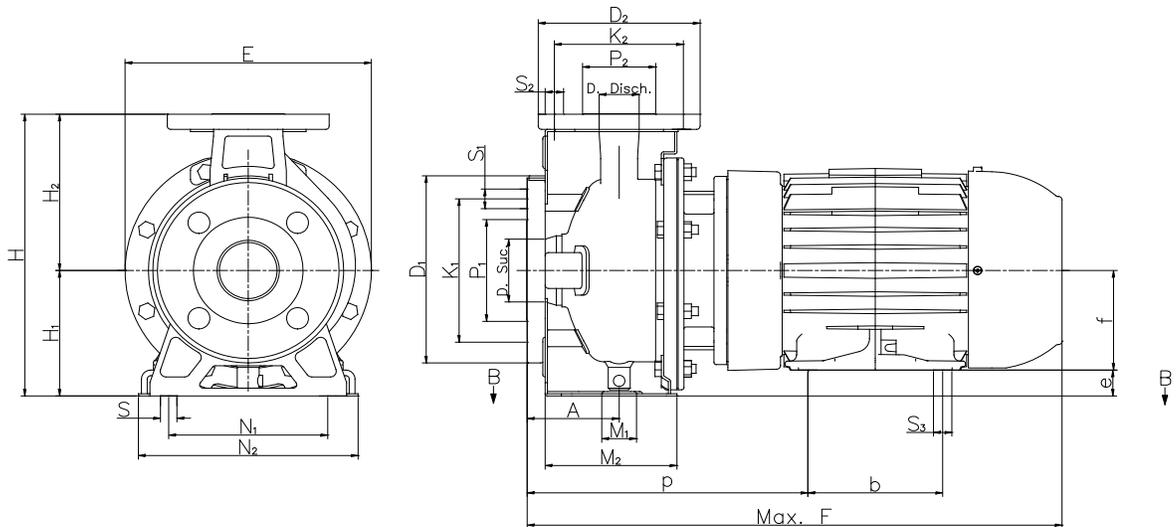
3U4 50-160-1-2HP

Nominal Speed: 1725 RPM

Size: 2 x 2½ x 6¼



Pump Dimensions



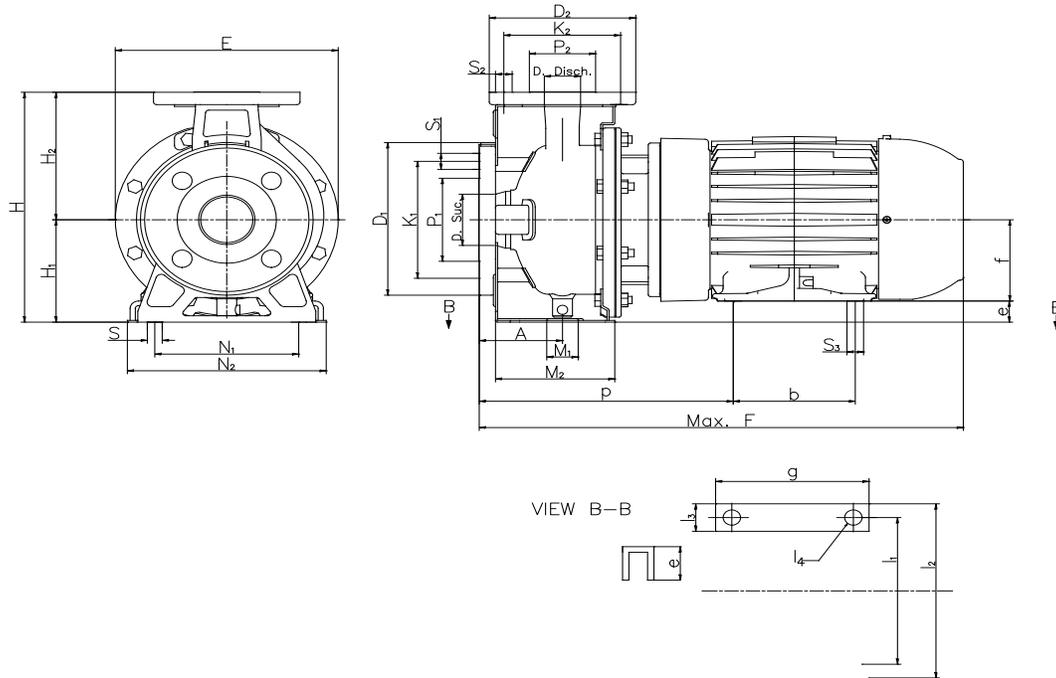
Unit: inch

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 5 ¹ / ₁₆	2	3 ³ / ₄	4 ¹ / ₁₆	6½	1 ¹ / ₁₆	1¼	2½	3½	5½	¾	3 ³ / ₁₆	8 ³ / ₁₆	9 ¹ / ₁₆	4 ¹ / ₁₆	5½	2 ³ / ₄	4½	5½	7½	¾
32-160A-5HP	1¼ x 2 x 5 ¹ / ₁₆	2	3 ³ / ₄	4 ¹ / ₁₆	6½	1 ¹ / ₁₆	1¼	2½	3½	5½	¾	3 ³ / ₁₆	10	11½	5 ⁵ / ₁₆	6 ⁵ / ₁₆	2 ³ / ₄	4 ³ / ₄	7½	9 ¹ / ₁₆	¾
32-160B-5HP	1¼ x 2 x 6 ¹ / ₁₆	2	3 ³ / ₄	4 ¹ / ₁₆	6½	1 ¹ / ₁₆	1¼	2½	3½	5½	¾	3 ³ / ₁₆	10	11½	5 ⁵ / ₁₆	6 ⁵ / ₁₆	2 ³ / ₄	4 ³ / ₄	7½	9 ¹ / ₁₆	¾
32-200-7½HP	1¼ x 2 x 7 ¹ / ₁₆	2	3 ³ / ₄	4 ¹ / ₁₆	6½	1 ¹ / ₁₆	1¼	2½	3½	5½	¾	3 ³ / ₁₆	11 ¹ / ₁₆	13 ³ / ₁₆	6 ⁵ / ₁₆	7½	2 ³ / ₄	4 ¹ / ₁₆	7½	9 ¹ / ₁₆	¾
32-200-10HP	1¼ x 2 x 7 ¹ / ₁₆	2	3 ³ / ₄	4 ¹ / ₁₆	6½	1 ¹ / ₁₆	1¼	2½	3½	5½	¾	3 ³ / ₁₆	11 ¹ / ₁₆	13 ³ / ₁₆	6 ⁵ / ₁₆	7½	2 ³ / ₄	4 ¹ / ₁₆	7½	9 ¹ / ₁₆	¾
40-125A-5HP	1½ x 2½ x 4 ¹ / ₁₆	2½	4 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₁₆	1½	2 ¹ / ₁₆	3 ³ / ₁₆	5 ¹ / ₁₆	¾	3 ³ / ₁₆	8 ³ / ₁₆	9 ¹ / ₁₆	4 ¹ / ₁₆	5½	2 ³ / ₄	4½	6 ⁵ / ₁₆	8¼	¾
40-125B-5HP	1½ x 2½ x 5½	2½	4 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₁₆	1½	2 ¹ / ₁₆	3 ³ / ₁₆	5 ¹ / ₁₆	¾	3 ³ / ₁₆	8 ³ / ₁₆	9 ¹ / ₁₆	4 ¹ / ₁₆	5½	2 ³ / ₄	4½	6 ⁵ / ₁₆	8¼	¾
40-160-7½HP	1½ x 2½ x 5 ¹ / ₁₆	2½	4 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₁₆	1½	2 ¹ / ₁₆	3 ³ / ₁₆	5 ¹ / ₁₆	¾	3 ³ / ₁₆	10	11½	5 ⁵ / ₁₆	6 ⁵ / ₁₆	2 ³ / ₄	4 ³ / ₄	7½	9 ¹ / ₁₆	¾
40-160-1-10HP	1½ x 2½ x 6 ¹ / ₁₆	2½	4 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₁₆	1½	2 ¹ / ₁₆	3 ³ / ₁₆	5 ¹ / ₁₆	¾	3 ³ / ₁₆	10	11½	5 ⁵ / ₁₆	6 ⁵ / ₁₆	2 ³ / ₄	4 ³ / ₄	7½	9 ¹ / ₁₆	¾
40-200A-15HP	1½ x 2½ x 7 ¹ / ₁₆	2½	4 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₁₆	1½	2 ¹ / ₁₆	3 ³ / ₁₆	5 ¹ / ₁₆	¾	3 ¹ / ₁₆	11 ¹ / ₁₆	13 ³ / ₁₆	6 ⁵ / ₁₆	7½	2 ³ / ₄	4½	8 ³ / ₁₆	10 ¹ / ₁₆	¾
40-200B-15HP	1½ x 2½ x 7 ¹ / ₁₆	2½	4 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₁₆	1½	2 ¹ / ₁₆	3 ³ / ₁₆	5 ¹ / ₁₆	¾	3 ¹ / ₁₆	11 ¹ / ₁₆	13 ³ / ₁₆	6 ⁵ / ₁₆	7½	2 ³ / ₄	4½	8 ³ / ₁₆	10 ¹ / ₁₆	¾
50-125-7½HP	2 x 2½ x 5 ³ / ₁₆	2½	4 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₁₆	2	3 ³ / ₄	4 ¹ / ₁₆	6 ¹ / ₁₆	1 ¹ / ₁₆	3 ¹ / ₁₆	10	11½	5 ⁵ / ₁₆	6 ⁵ / ₁₆	2 ³ / ₄	4½	7½	9 ¹ / ₁₆	¾
50-125-10HP	2 x 2½ x 5½	2½	4 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₁₆	2	3 ³ / ₄	4 ¹ / ₁₆	6 ¹ / ₁₆	1 ¹ / ₁₆	3 ¹ / ₁₆	10	11½	5 ⁵ / ₁₆	6 ⁵ / ₁₆	2 ³ / ₄	4½	7½	9 ¹ / ₁₆	¾
50-160-10HP	2 x 2½ x 6 ¹ / ₁₆	2½	4 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₁₆	2	3 ³ / ₄	4 ¹ / ₁₆	6 ¹ / ₁₆	1 ¹ / ₁₆	3 ¹ / ₁₆	11 ¹ / ₁₆	13 ³ / ₁₆	6 ⁵ / ₁₆	7½	2 ³ / ₄	4½	8 ³ / ₁₆	10 ¹ / ₁₆	¾
50-160-1-15HP	2 x 2½ x 6 ¹ / ₁₆	2½	4 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₁₆	2	3 ³ / ₄	4 ¹ / ₁₆	6 ¹ / ₁₆	1 ¹ / ₁₆	3 ¹ / ₁₆	11 ¹ / ₁₆	13 ³ / ₁₆	6 ⁵ / ₁₆	7½	2 ³ / ₄	4½	8 ³ / ₁₆	10 ¹ / ₁₆	¾



Pump Dimensions

3U 2-Pole Motor



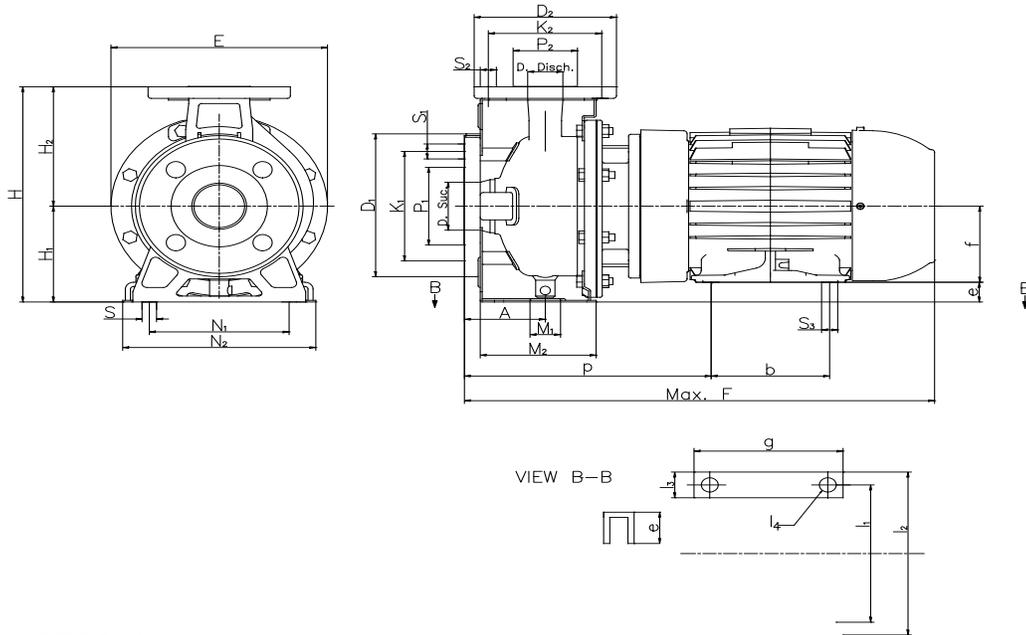
Unit: inch

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

Remarks:

1. "e" dimensions (-) means H₁ < f.
In this case, need distance piece under the pump.
2. "F" dimensions indicate maximum dimension.

Pump Dimensions

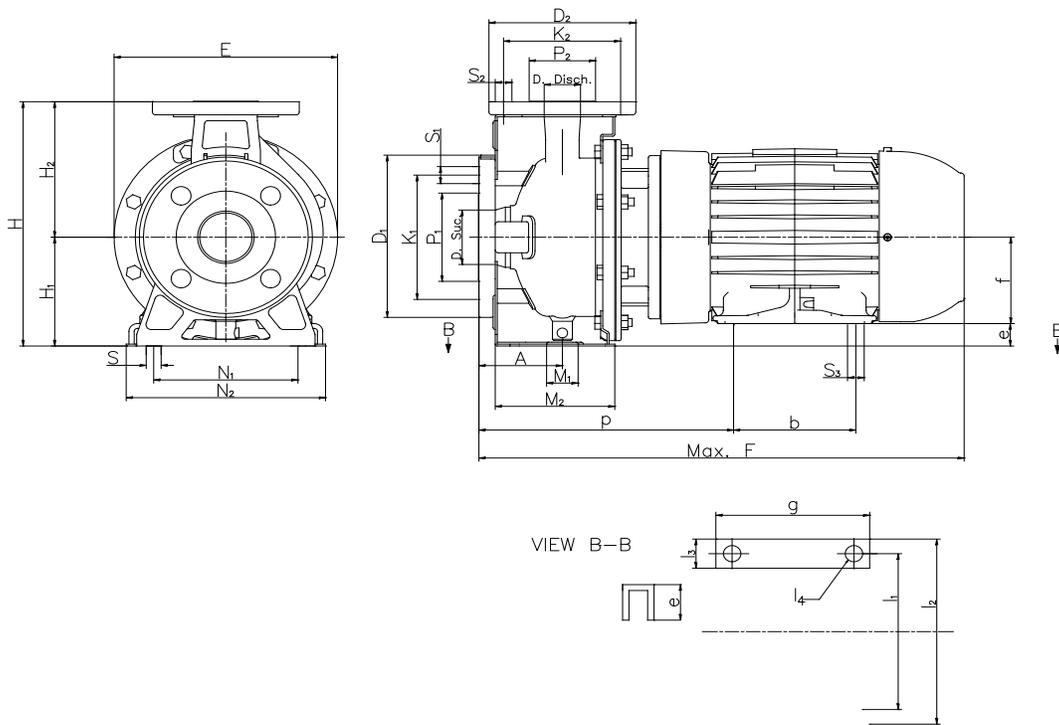


3U 4-Pole TEFC Motor

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	5/16	9 1/16	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	5/16	9 1/16	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	5/16	9 1/16	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	5/16	10 7/8	3/8	20 13/16
40-160	2	3	145JM	5	2 13/16	3 1/2	5 15/16	5 1/2	7 1/2	1 3/4	5/16	10 7/8	3/8	19 1/16
	1	1	145JM	5	2 13/16	3 1/2	5 15/16	5 1/2	7 1/2	1 3/4	5/16	7 9/16	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	5/16	7 1/2	3/8	19 3/4
40-200A/B	1.5	3	145JM	5	1 3/4	3 1/2	5 15/16	5 1/2	7 1/2	1 3/4	5/16	10 7/8	3/8	18 11/16
	1.5	3	145JM	5	2 13/16	3 1/2	5 15/16	5 1/2	7 1/2	1 3/4	5/16	7 1/2	3/8	18 3/4
50-125	2	3	145JM	5	2 13/16	3 1/2	5 15/16	5 1/2	7 1/2	1 3/4	5/16	7 1/2	3/8	18 3/4
	1	3	143JM	5	1 11/16	3 1/2	5 15/16	5 1/2	7 1/2	1 3/4	5/16	7 1/2	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	5/16	10 7/8	3/8	19 1/2
50-160	2	3	145JM	5	1 11/16	3 1/2	5 15/16	5 1/2	7 1/2	1 3/4	5/16	10 7/8	3/8	19 7/8
	1.5	1	145JM	5	2 13/16	3 1/2	5 15/16	5 1/2	7 1/2	1 3/4	5/16	10 1/2	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	5/16	10 1/2	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	5/16	10 1/2	3/8	19 5/8



Pump Dimensions



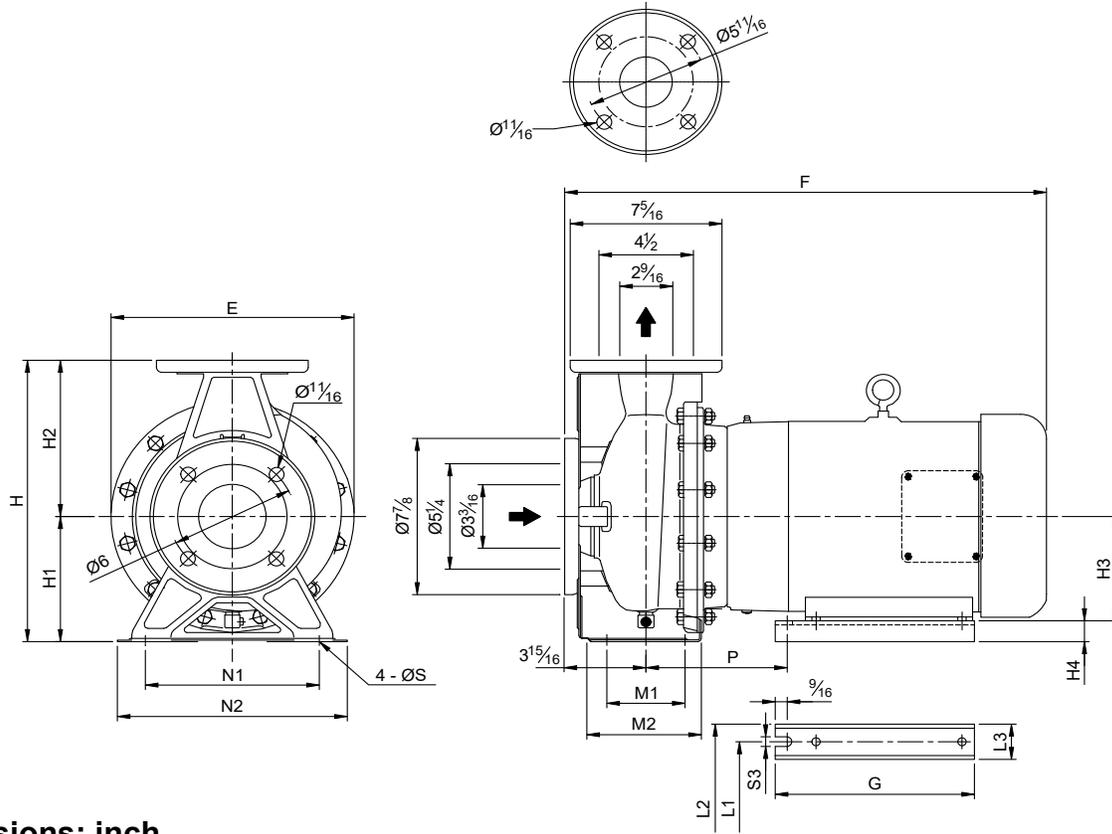
3U 4-Pole ODP Motor

Model	HP	Phase	JM Frame	b	e	f	g	I1	I2	I3	I4	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



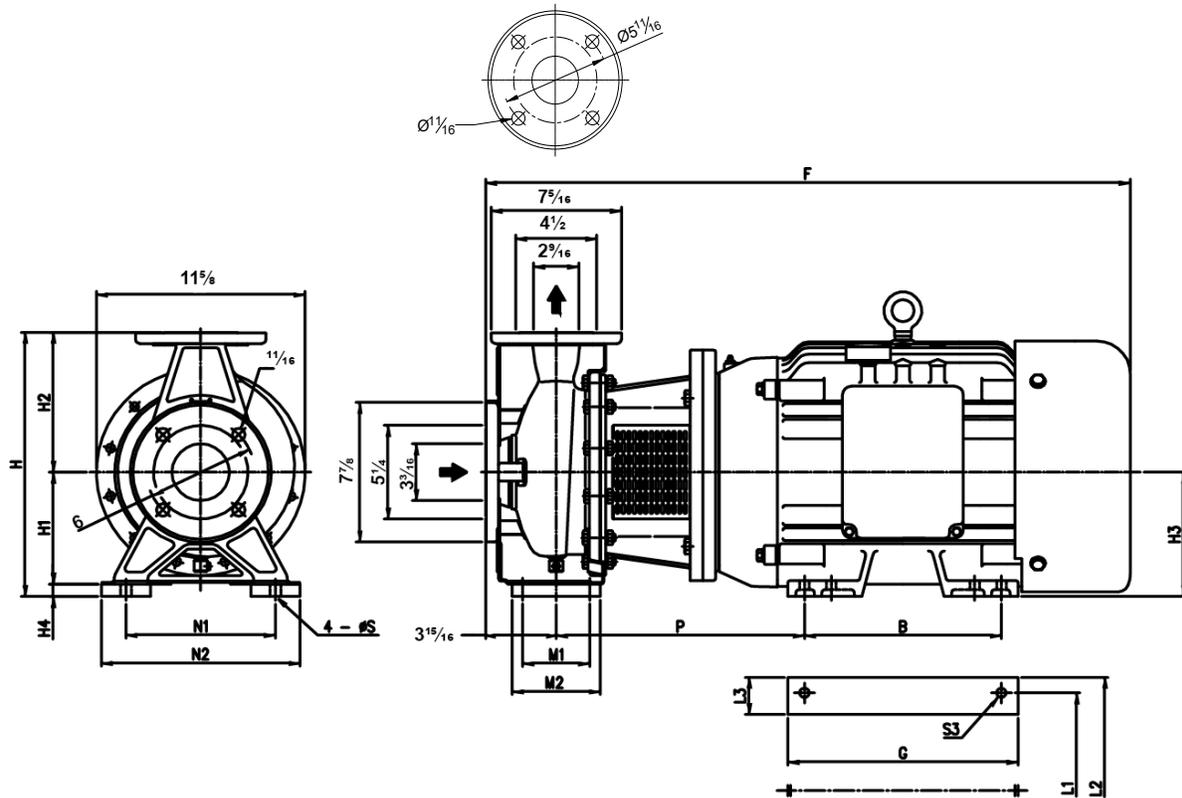
Dimensions: inch

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	1¼	¾	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	1¼	¾	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	1¼	¾	5½	8⅞	11	16⅞	⅞	½
3U 65-160/10	2½ x 3 x 5¼	1	11⅞	23⅜	9⅞	14⅞	6⅞	7⅞	5¼	1⅞	8½	10¼	1¼	¾	5½	8⅞	11	16⅞	⅞	½
3U 65-160/15	2½ x 3 x 5⅜	1	11⅞	23⅜	9⅞	14⅞	6⅞	7⅞	5¼	1⅞	8½	10¼	1¼	¾	5½	8⅞	11	16⅞	⅞	½



Dimensions

3U Type 2
3U Type 3



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 65-125/20	2 1/2 x 3 x 5 7/8	3	10	33 1/16	11 3/4	13 7/16	6 5/16	7 7/8	6 3/4	1 1/16	10	11 7/16	1 3/8	3 3/4	5 5/16	8 3/8	11 1/16	16 7/8	1 1/16	1 1/16
3U 65-160/20	2 1/2 x 3 x 6 5/16	3	11	33 1/2	11 3/4	14 3/16	6 5/16	7 7/8	6 3/4	1 1/16	10	11 7/16	1 3/8	3 3/4	5 5/16	8 3/8	11 1/2	13 3/16	1 1/16	1 1/16
3U 65-160/25	2 1/2 x 3 x 6 7/8	3	11	36	12 13/16	14 7/8	6 5/16	7 7/8	7	1 1/16	11	12 3/4	-	3 3/4	4 15/16	8 3/8	11 1/8	13 3/8	1 1/16	1 1/16
3U 65-200/20	2 1/2 x 3 x 6 3/4	3	10	32 3/8	13 3/16	15 15/16	7 1/16	8 7/8	6 3/4	1 3/16	10	12 3/8	2 3/8	3 3/4	5 1/2	9 13/16	12 5/8	13 13/16	1 1/16	1 1/16
3U 65-200/25	2 1/2 x 3 x 7 1/16	3	11	36	13	15 15/16	7 1/16	8 7/8	7	1 1/16	11	12 15/16	1 15/16	3 3/4	5 1/2	9 13/16	12 5/8	13 3/8	1 1/16	1 1/16



Sectional View

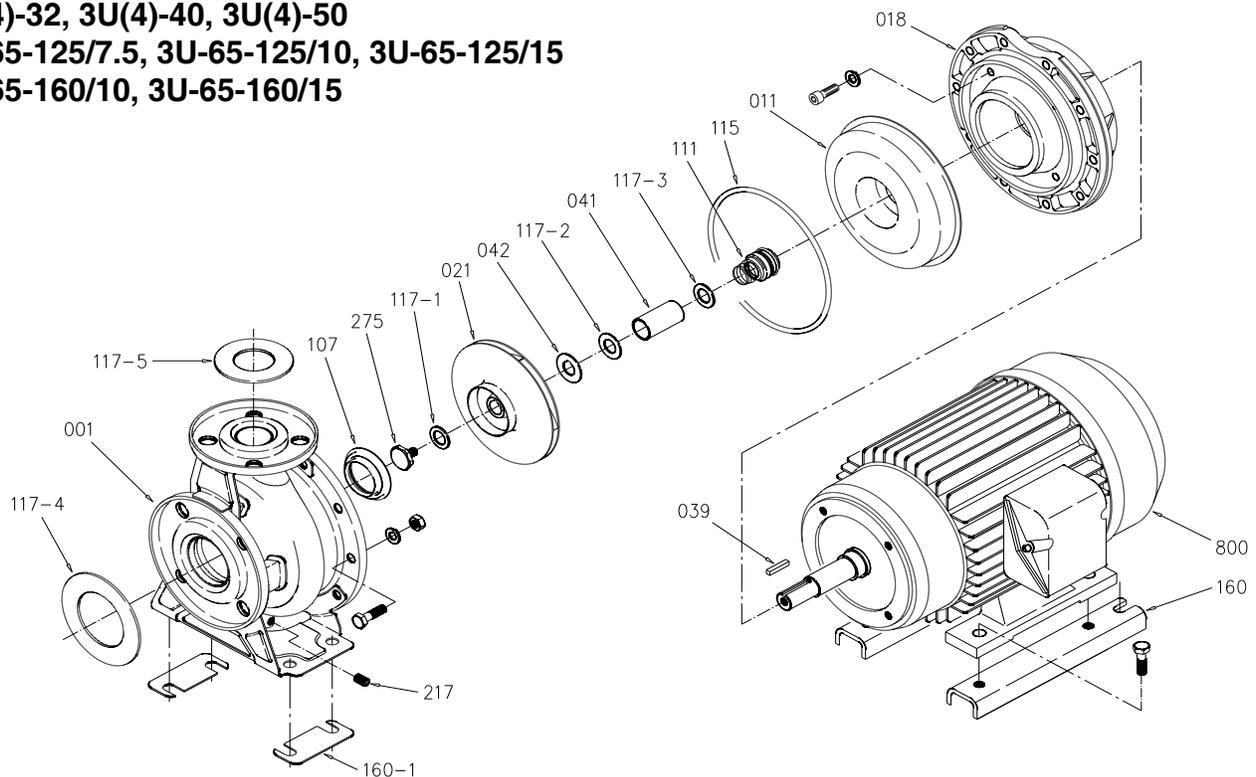
3U Type 1

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.

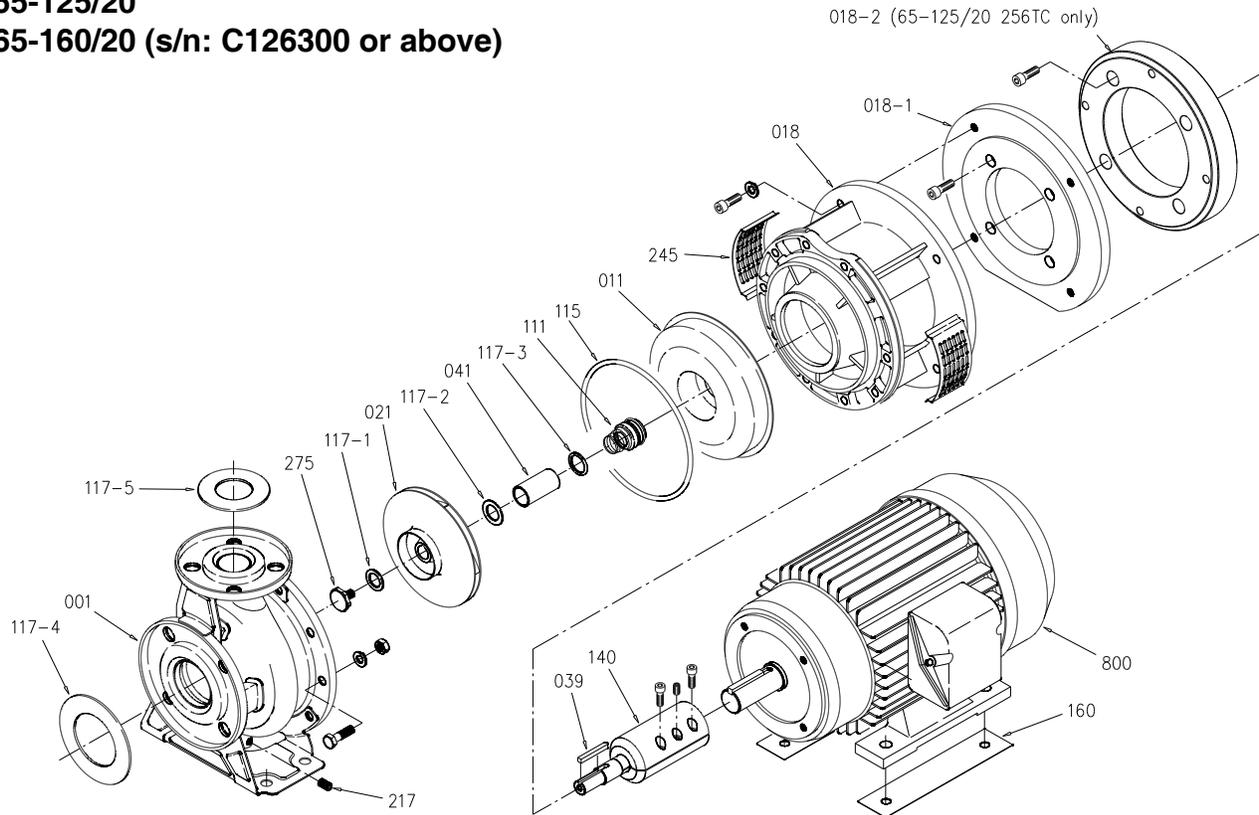


Sectional View

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

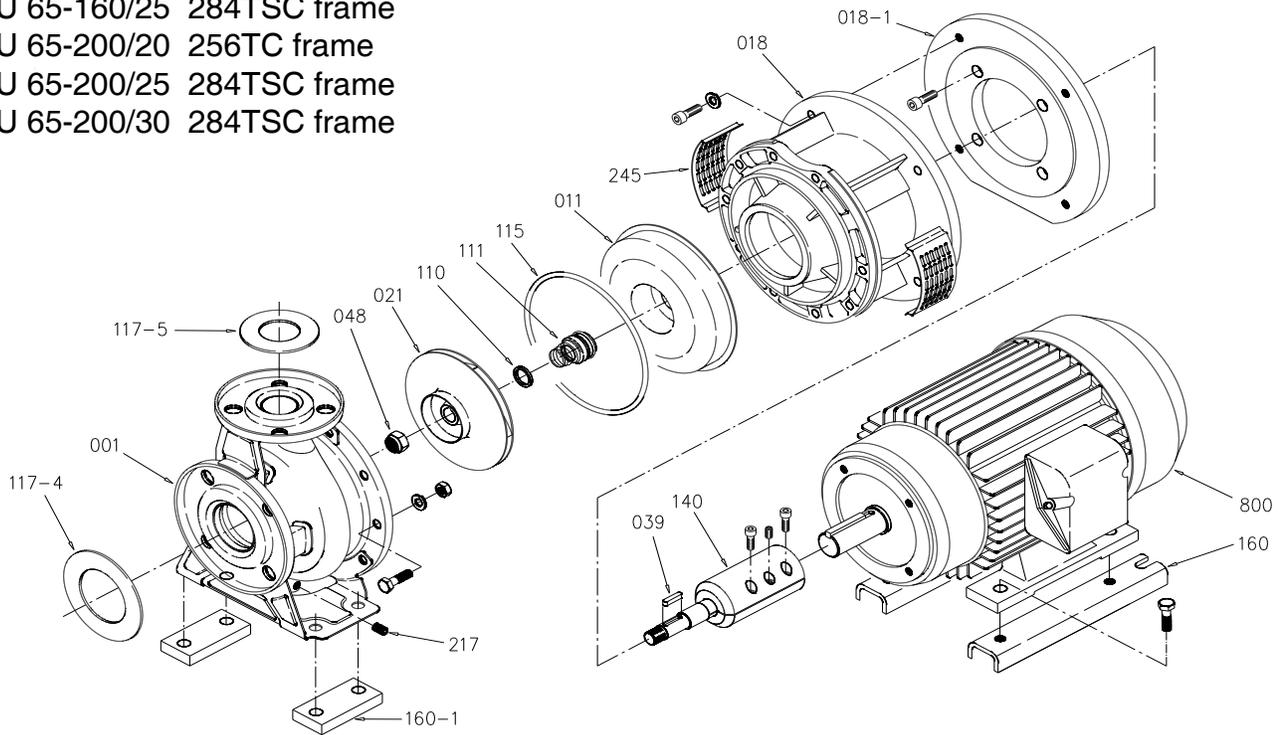
3U 65-160/20 256TC frame (s/n C1-C126299)

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.

