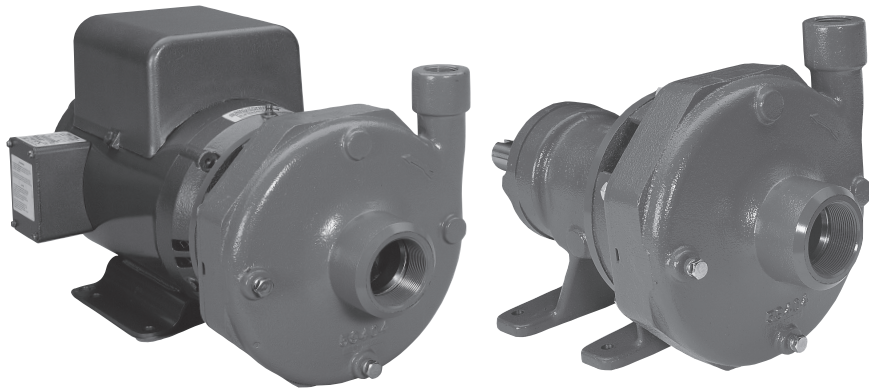




3656/3756 S-Group

Cast iron, bronze fitted centrifugal pumps

A full range of product features

Xylem's 3656 and 3756 S-Group pumps by Goulds Water Technology have been designed with technical benefits to meet the needs of users in a variety of water supply, recirculation, and cooling applications.

- The model 3656 offers close coupled design for space saving and simplified maintenance.
- The model 3756 offers a bearing frame mounted design for flexibility of installation and drive arrangements.
- Back pull-out to reduce maintenance down time.
- Standard Type 21 mechanical seal for both reliability and availability. Carbon/ceramic/BUNA standard, with other faces and elastomers available.
- 3656/3756 available in all iron, bronze fitted or all bronze construction for application versatility.
- Replaceable wearing components include stainless steel shaft sleeve and casing and hub wear rings to maintain peak efficiency.
- Enclosed impeller design, dynamic balancing and renewable wear rings reduce losses affecting performance and pump life.
- Suction and discharge pipe connections are NPT threaded, except 3 x 4 – 7 which has 125 lb. ANSI flat faced flanges.
- Rigid cast iron motor adapter provides support and registered fits maintain positive unit alignment.
- Standard NEMA motor frame, JM or JP shaft extension, C-face mounting, single-phase or three-phase, 3500 or 1750 RPM. Open drip proof and totally enclosed fan cooled. *
- Optional explosion proof motors available.*
- Optional rigid carbon steel bedplate, sheet metal coupling guard and T. B. Woods spacer coupling for 3756 models.
- **NSF 61 Certification:** Pumps assembled at the factory are certified to the NSF/ANSI 61 Drinking Water System Components Standard. (Minimum usage of 2L/day for BF models. Buna seal models are not certified.)

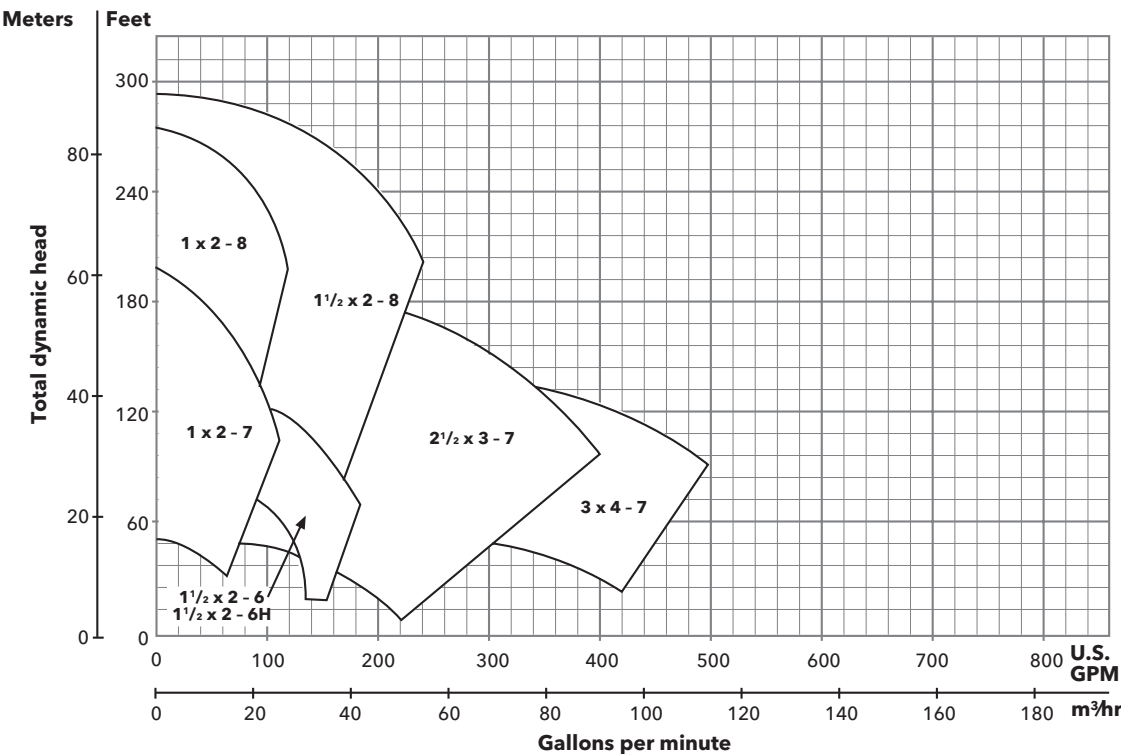


DRINKING WATER
NSF/ANSI 61 & 372

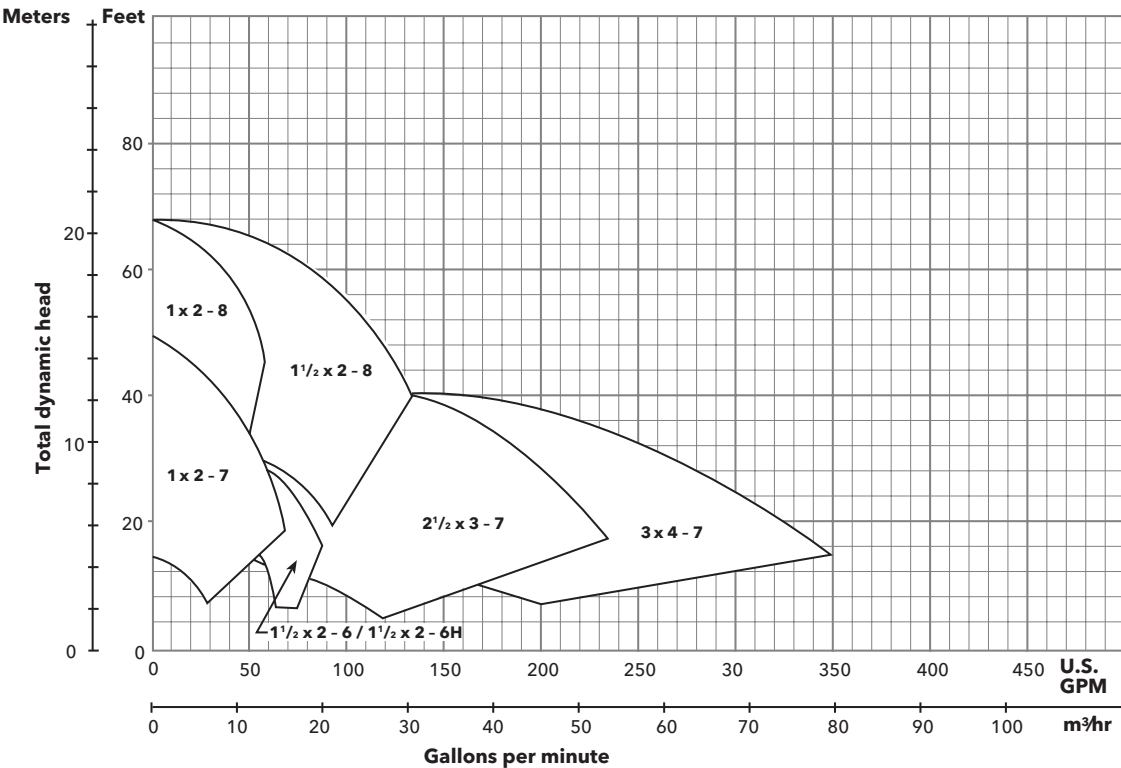
** Premium efficiency where required by Department of Energy regulations.*

Performance coverage

3500 coverage curve



1750 coverage curve



3656/3756 S-Group numbering system for all units built after August 3, 1998

The various versions of the 3656 and 3756 S-Group are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below.

Not all combinations of motor, impeller and seal options are available for every pump model. Please check with Goulds Water Technology on non-cataloged numbers.

Not recommended for operation beyond printed H-Q curve. For critical application conditions consult factory.

Example product code

9 BF 1 H 2 G 0 H

High head impeller (1½ x 2 – 6H only)

Mechanical seal and o-ring

Type 21 mechanical seal					
Seal code	Rotary	Stationary	Elastomers	Metal parts	Part #
0	Carbon	Ceramic	BUNA-N	316 SS	10K13
1		Sil-Carbide	EPR		10K19
3			Viton		10K27
5	Sil-carbide				10K64

Note: 10K27 replaces obsolete 10K25

Impeller option code

Impeller code	22BF	9BF	3BF		5BF	4BF	6BF
	1 x 2 – 7	1 x 2 – 8	1½ x 2 – 6	1½ x 2 – 6H	1½ x 2 – 8	2½ x 3 – 7	3 x 4 – 7
	Dia.	Dia.	Dia.	Dia.	Dia.	Dia.	Dia.
A	6¾"	8 ¹ / ₁₆ "	5 ¹⁵ / ₁₆ "	5 ¹⁵ / ₁₆ "	8 ¹ / ₁₆ "	7 ¹ / ₁₆ "	7 ¹ / ₁₆ "
B	6 ⁷ / ₁₆	7 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	7 ⁵ / ₈	6 ⁷ / ₈	6 ³ / ₈
C	6	7 ⁵ / ₁₆	5 ¹ / ₈		6¾	6 ⁹ / ₁₆	6
D	5¾	7	4¾		5¾	6	5½
E	5½	6½			7¾	5 ¹¹ / ₁₆	5 ¹ / ₈
F	5 ¹ / ₁₆	6 ³ / ₁₆			7	5 ⁷ / ₁₆	4 ¹¹ / ₁₆
G	4 ¹³ / ₁₆	5 ³ / ₈			6¼	5 ³ / ₁₆	
H	4 ⁹ / ₁₆	5 ¹ / ₈			6 ¹ / ₈	4¾	
J	4 ³ / ₈					4½	
K	4 ¹ / ₁₆					4 ¹ / ₁₆	
L	3 ¹³ / ₁₆						

Note: Impellers will be trimmed in 1/16" increments only. If you are ordering a trim within 1/16" of the standard impeller, you will receive the standard impeller trim.

Driver

1 = 1 PH, ODP 5 = 3 PH, TEFC C = 3 PH, WD PE
 2 = 3 PH, ODP 6 = 3 PH, 575 V, TEFC
 3 = 3 PH, 575 V, ODP 7 = 3 PH, XP
 4 = 1PH, TEFC 8 = 3 PH, 575 V, XP

HP rating

C = ½ HP E = 1 HP G = 2 HP J = 5 HP L = 10 HP M = 15 HP
 D = ¾ HP F = 1 ½ HP H = 3 HP K = 7 ½ HP N = 20 HP

Driver: Hertz/pole/RPM

1 = 60 Hz, 2 pole, 3500 RPM 3 = 60 Hz, 6 pole, 1150 RPM 5 = 50 Hz, 4 pole, 1450 RPM
 2 = 60 Hz, 4 pole, 1750 RPM 4 = 50 Hz, 2 pole, 2900 RPM

Material

BF = Bronze fitted AI = All iron AB = All bronze

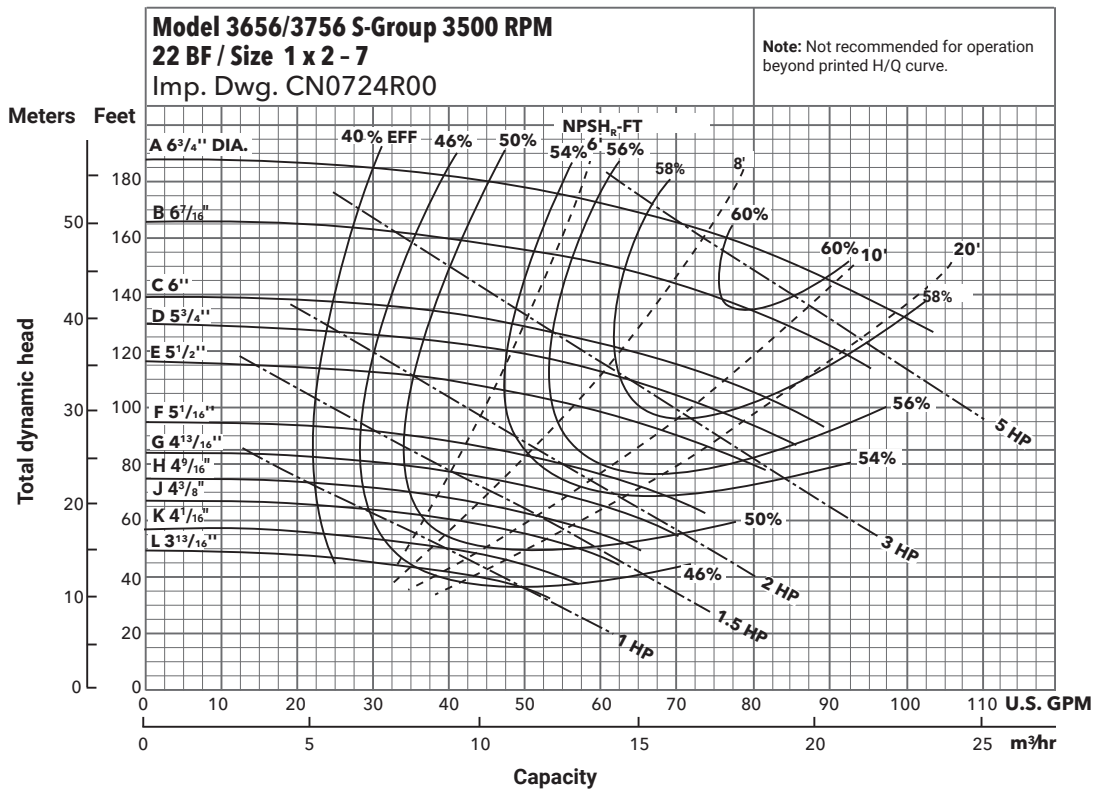
Pump size

3 = 1½ x 2 – 6(H) 4 = 2½ x 3 – 7 5 = 1½ x 2 – 8 6 = 3 x 4 – 7* 9 = 1 x 2 – 8 22 = 1 x 2 – 7
 *Flanged design suction and discharge. The 1 x 2 – 8 and 1 x 2 – 7 are only available in bronze fitted.

For frame mounted version, substitute the letters "FRM" in these positions.

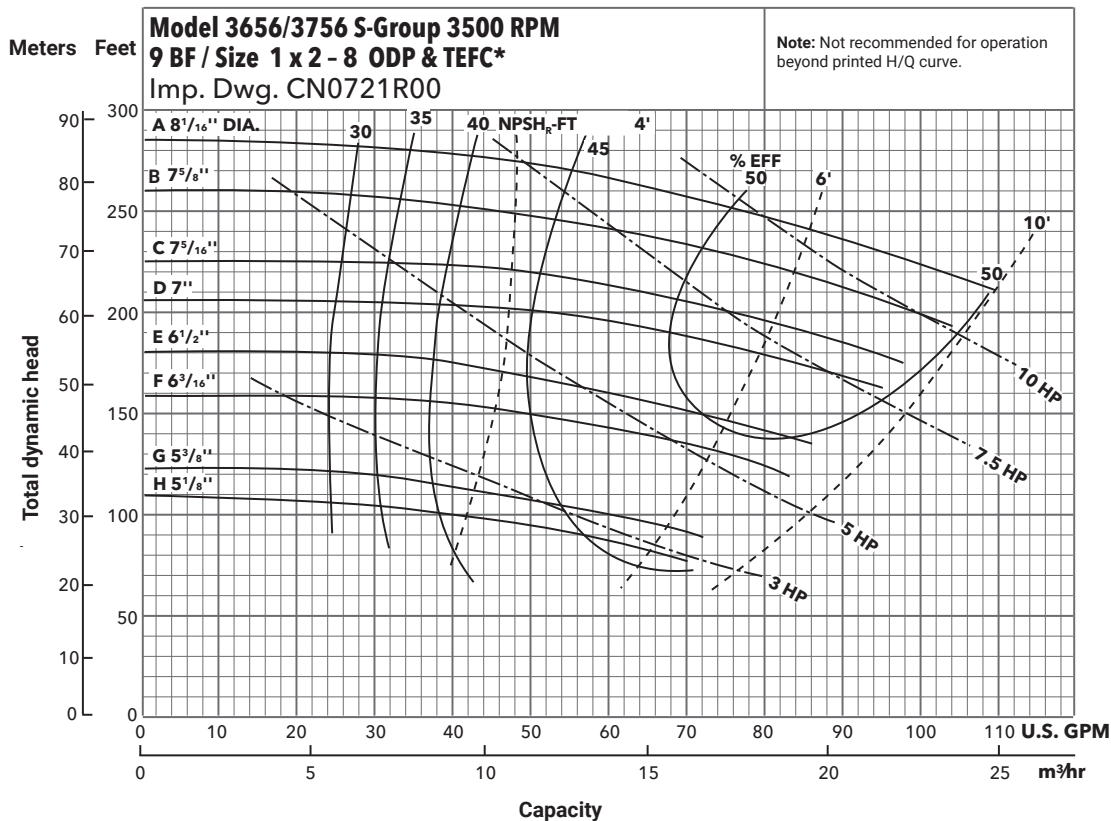
Performance curves – 60 HZ, 3500 RPM

These curves show the performance of the 3656 and 3756 at 3500 RPM and 1750 RPM, 60 Hz, and at 2900 RPM and 1450 RPM, 50 Hz. Standard impeller trims are shown.



Optional impeller	
Ordering code	Dia.
A	6 3/4"
B	6 7/16"
C	6"
D	5 3/4"
E	5 1/2"
F	5 1/16"
G	4 3/16"
H	4 9/16"
J	4 3/8"
K	4 1/16"
L	3 13/16"

Note: Pump will pass a sphere to 3/16" diameter.

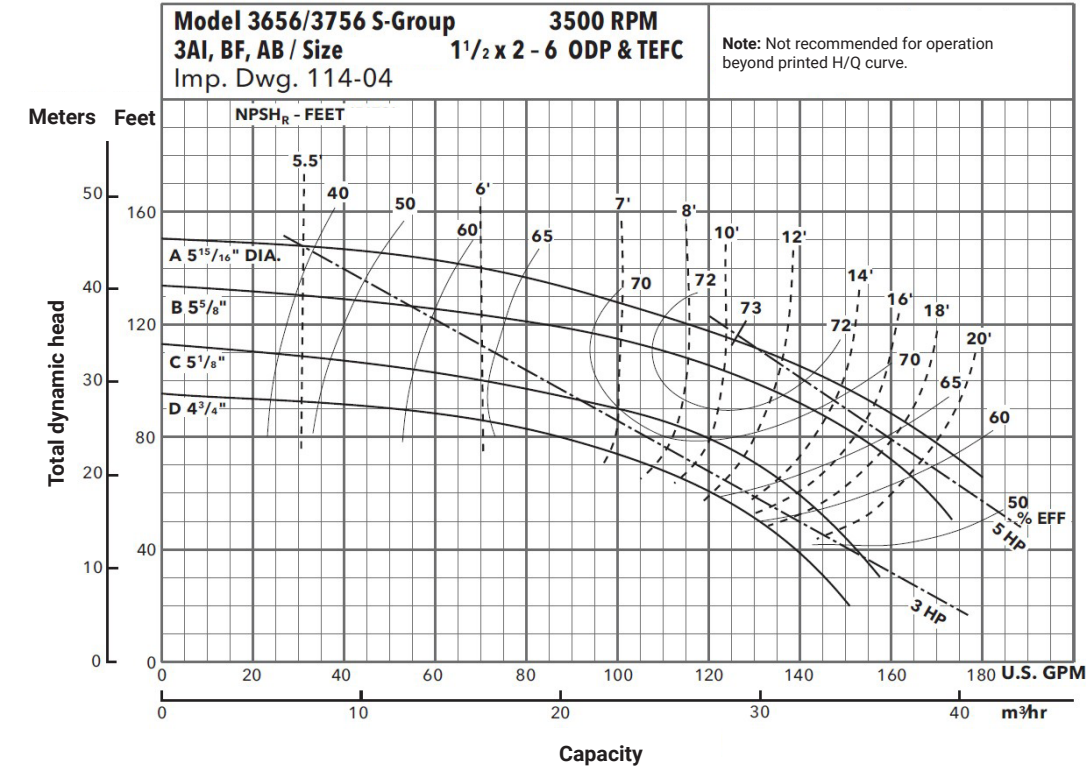


Optional impeller	
Ordering code	Dia.
A	8 1/16"
B	7 5/8"
C	7 5/16"
D	7"
E	6 1/2"
F	6 3/16"
G	5 3/8"
H	5 1/8"

Note: Pump will pass a sphere to 3/16" diameter.

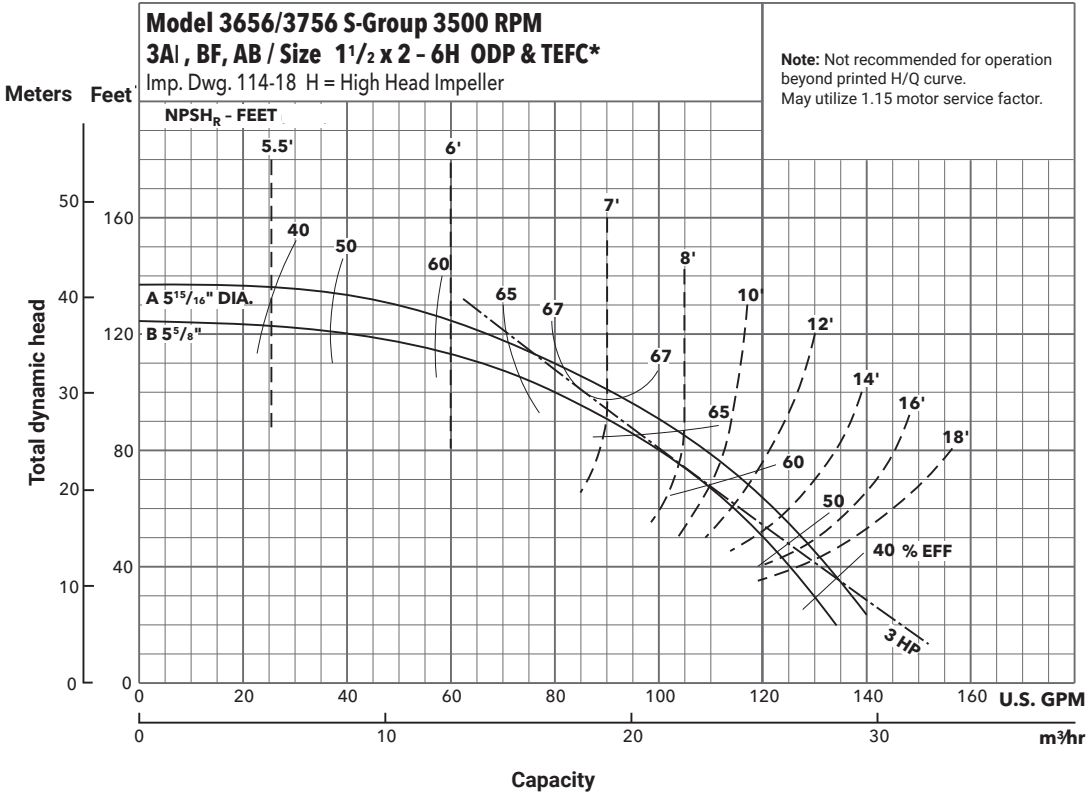
* Premium efficiency where required by Department of Energy regulations.

Performance curves – 60 Hz, 3500 RPM



Optional impeller	
Ordering code	Dia.
A	5 15/16
B	5 5/8
C	5 1/8
D	4 3/4

Note: Pump will pass a sphere to 5/16 diameter.

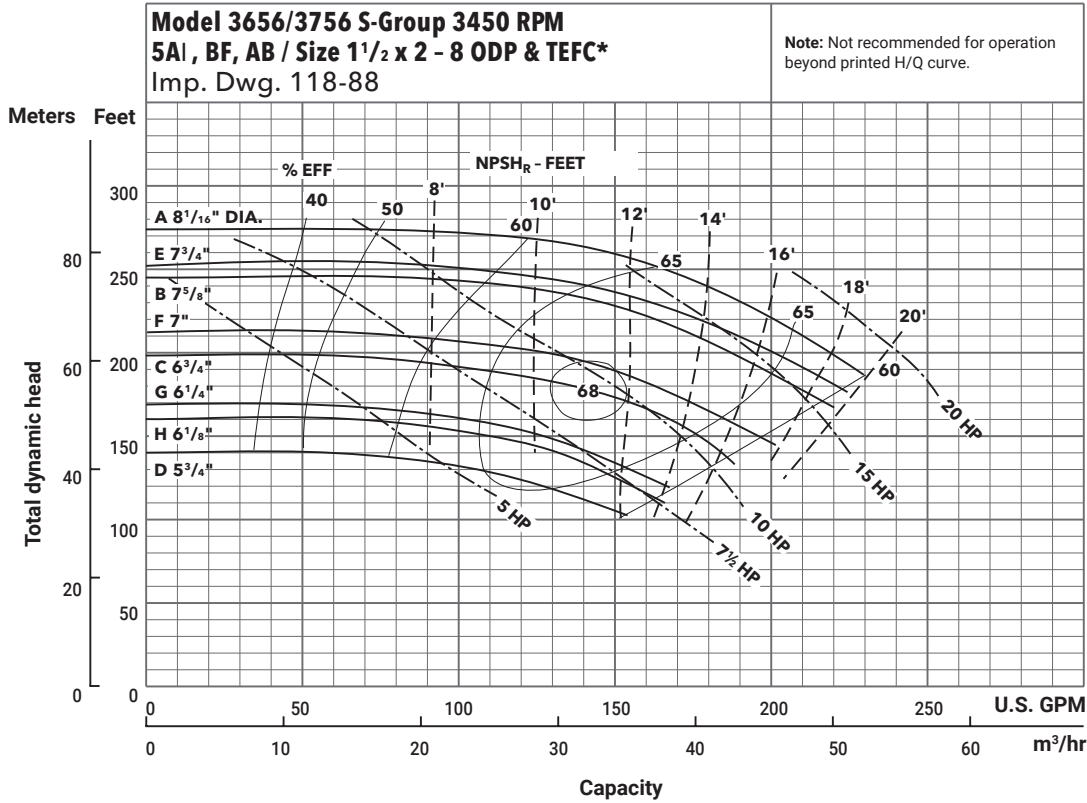


Optional impeller	
Ordering code	Dia.
A	5 15/16
B	5 5/8

Note: Pump will pass a sphere to 3/16 diameter.

* Premium efficiency where required by Department of Energy regulations.

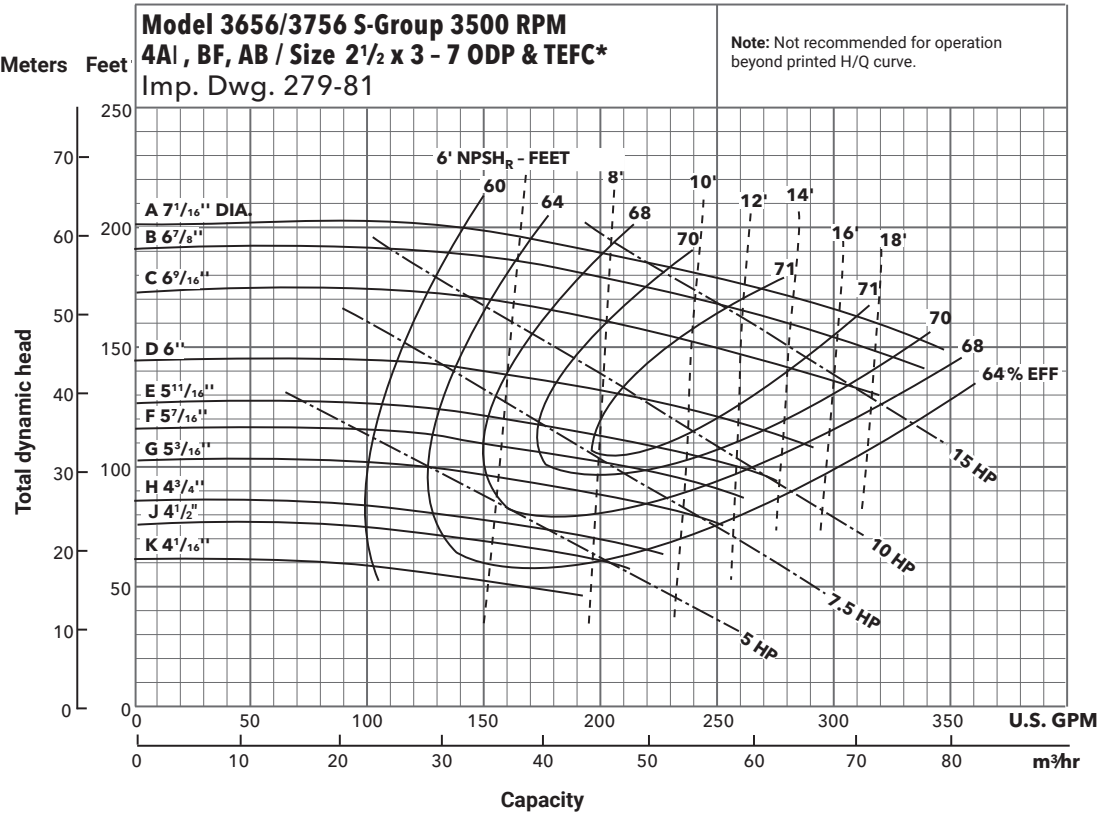
Performance curves – 60 Hz, 3500 RPM



Optional impeller	
Ordering code	Dia.
A	8 1/16
E	7 3/4
B	7 5/8
F	7
C	6 3/4
G	6 1/4
H	6 1/8
D	5 3/4

Note: Pump will pass a sphere to 5/16" diameter.

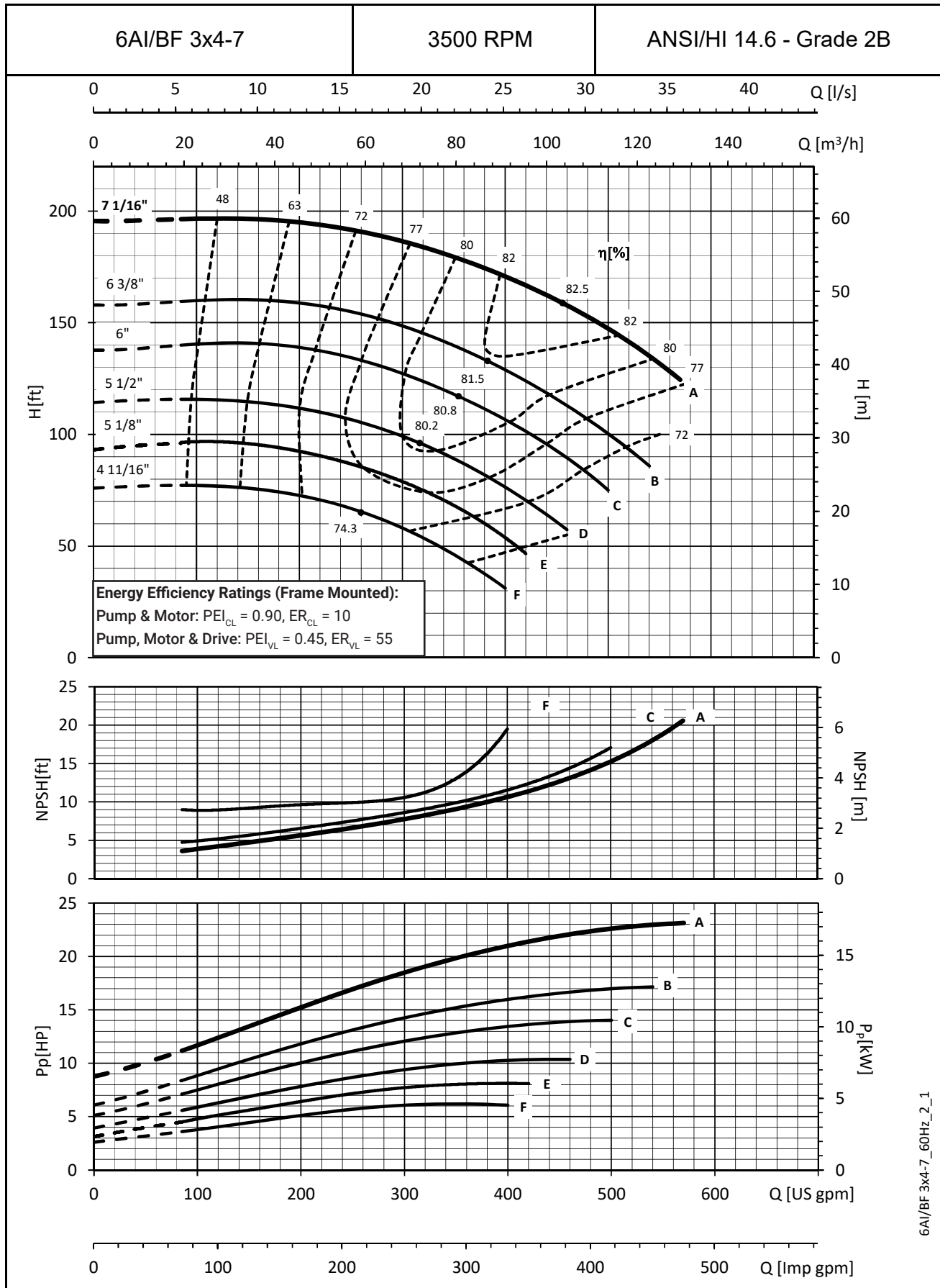
* Premium efficiency where required by Department of Energy regulations.



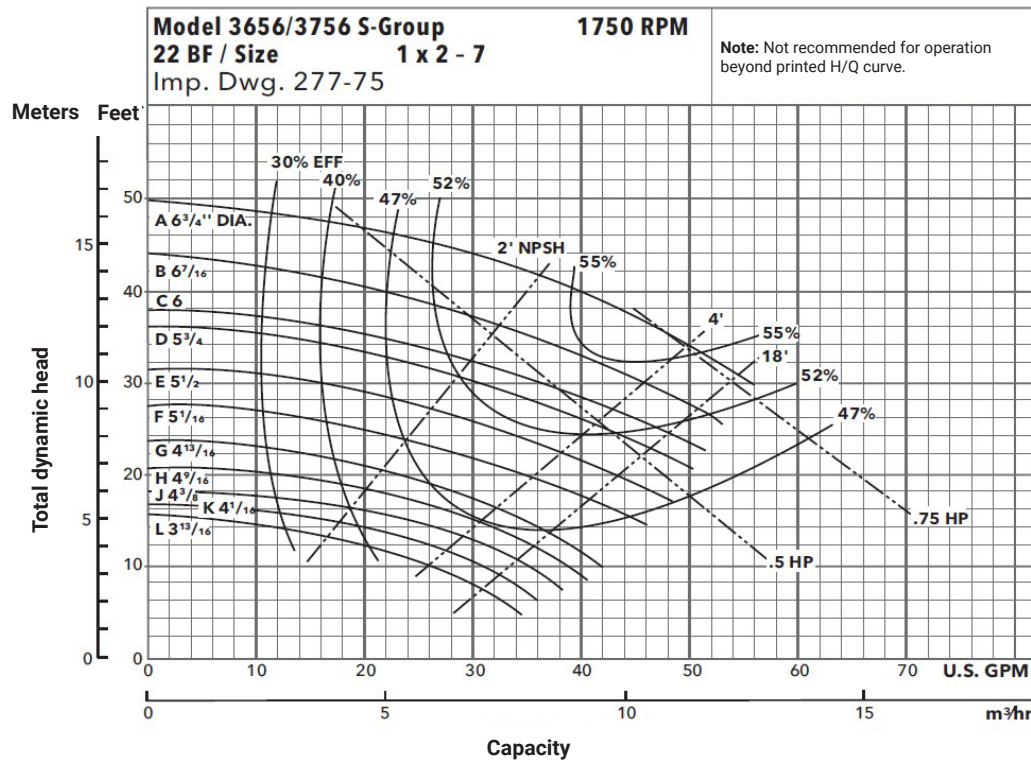
Optional impeller	
Ordering code	Dia.
A	7 1/16*
B	6 7/8
C	6 9/16
D	6
E	5 11/16
F	5 7/16
G	5 3/16
H	4 3/4
J	4 1/2
K	4 1/16

Note: Pump will pass a sphere to 7/16" diameter.

* Premium efficiency where required by Department of Energy regulations.

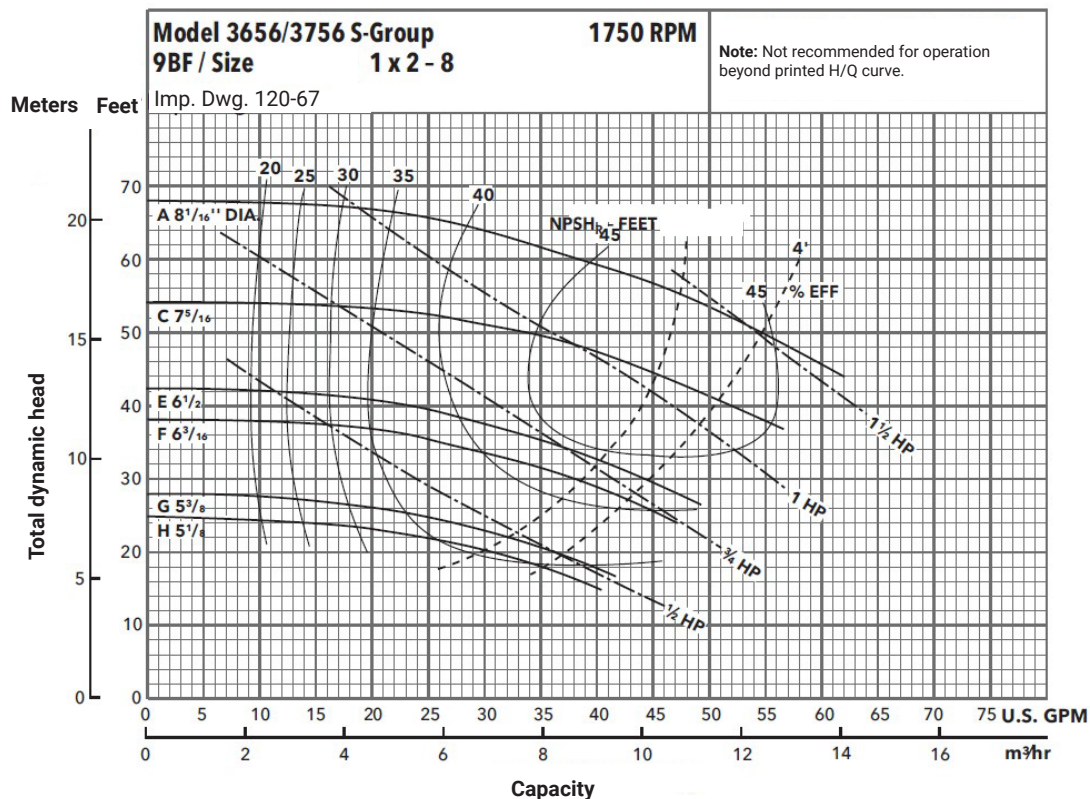


Performance curves – 60 Hz, 1750 RPM



Optional impeller	
Ordering code	Dia.
A	6 3/4
B	6 7/16
C	6
D	5 3/4
E	5 1/2
F	5 1/16
G	4 13/16
H	4 9/16
J	4 3/8
K	4 1/16
L	3 13/16

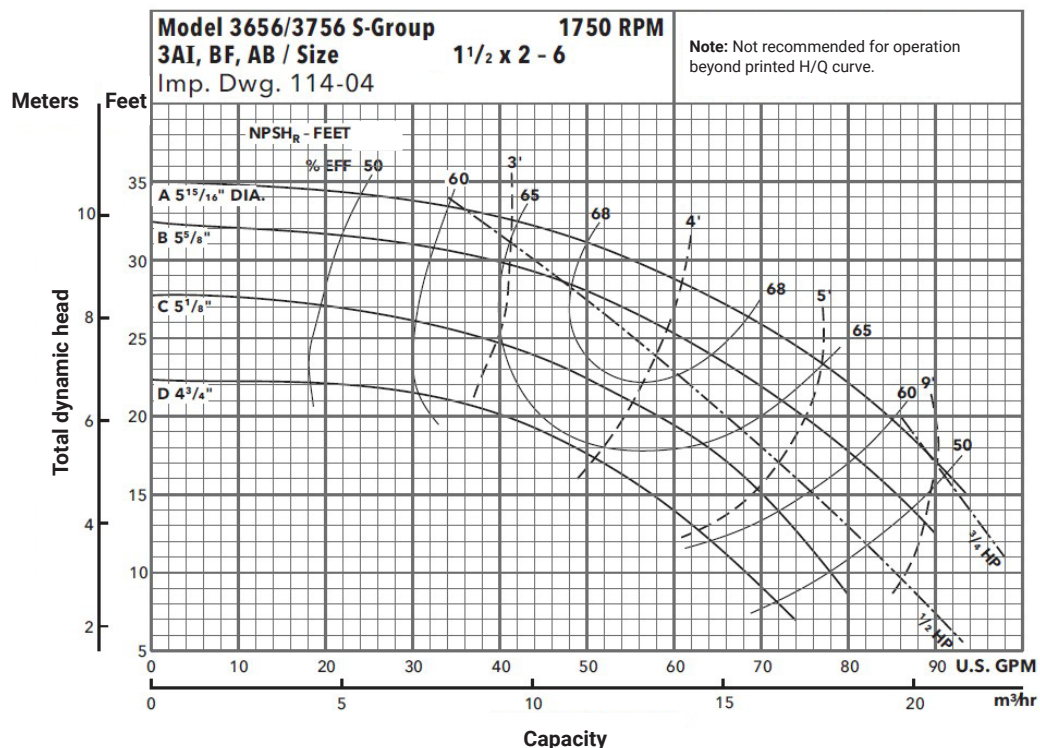
Note: Pump will pass a sphere to 3/16 diameter.



Optional impeller	
Ordering code	Dia.
A	8 1/16
C	7 5/16
E	6 1/2
F	6 3/16
G	5 3/8
H	5 1/8

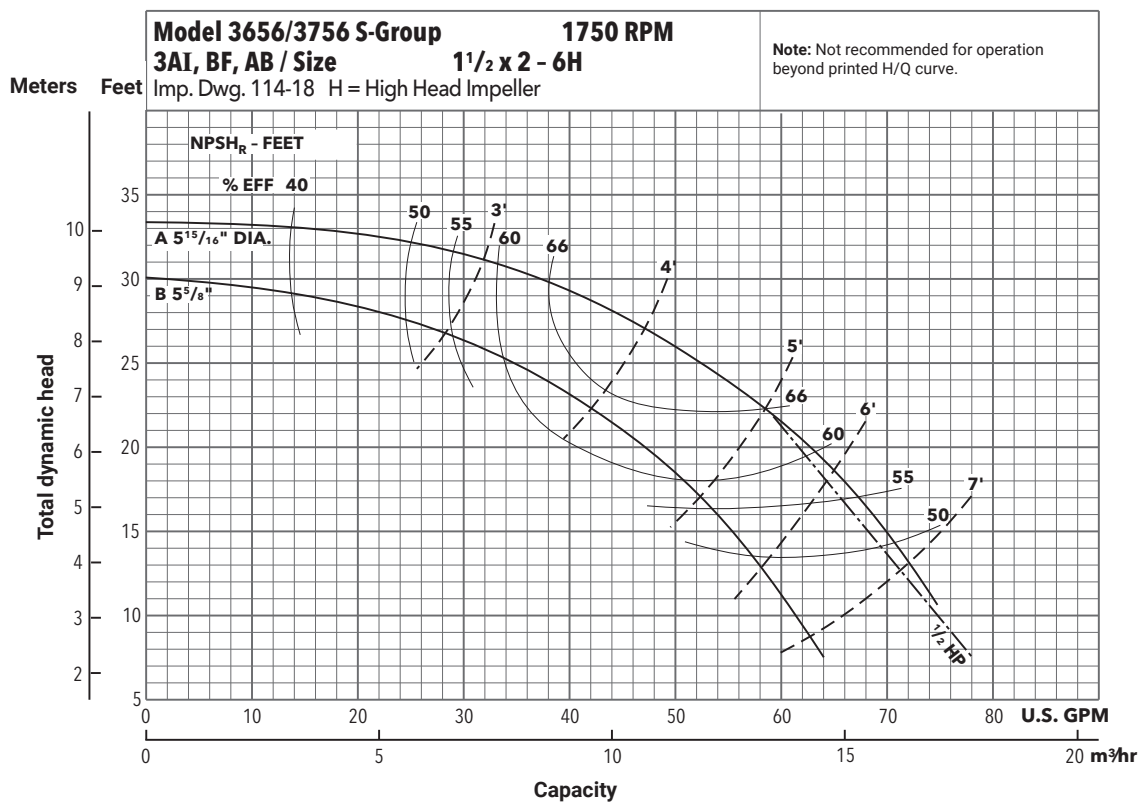
Note: Pump will pass a sphere to 3/16 diameter.

Performance curves – 60 Hz, 1750 RPM



Optional impeller	
Ordering code	Dia.
A	5 15/16
B	5 5/8
C	5 1/8
D	4 3/4

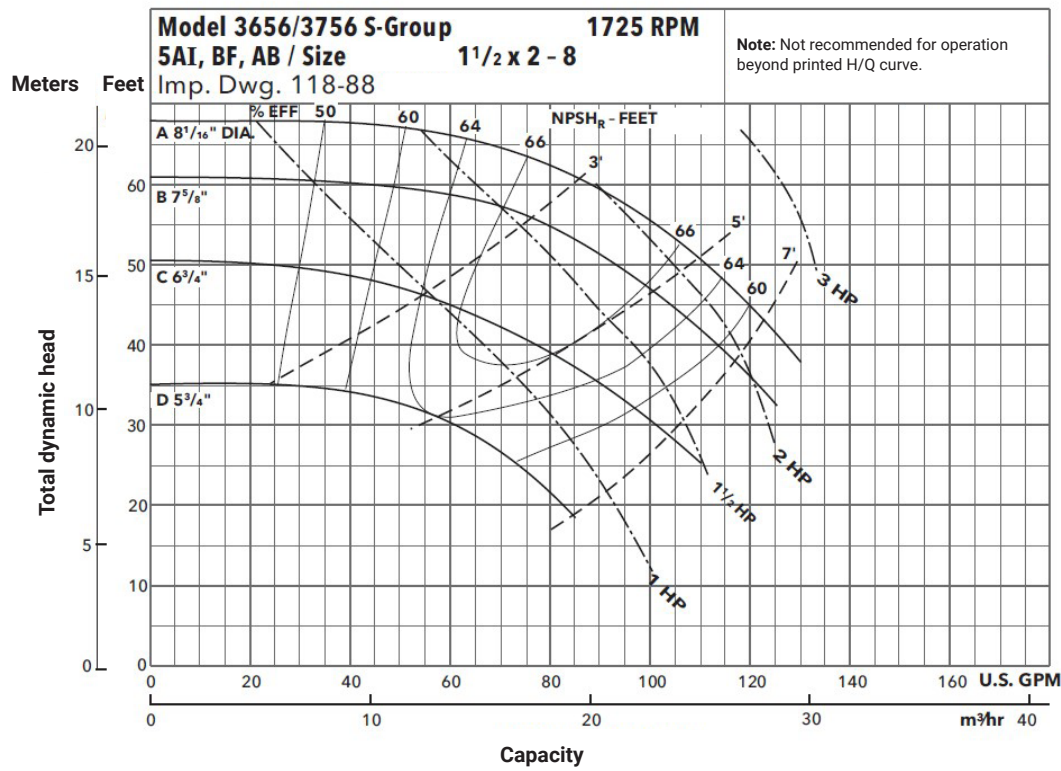
Note: Pump will pass a sphere to 5/16 diameter.



Optional impeller	
Ordering code	Dia.
A	5 15/16
B	5 5/8

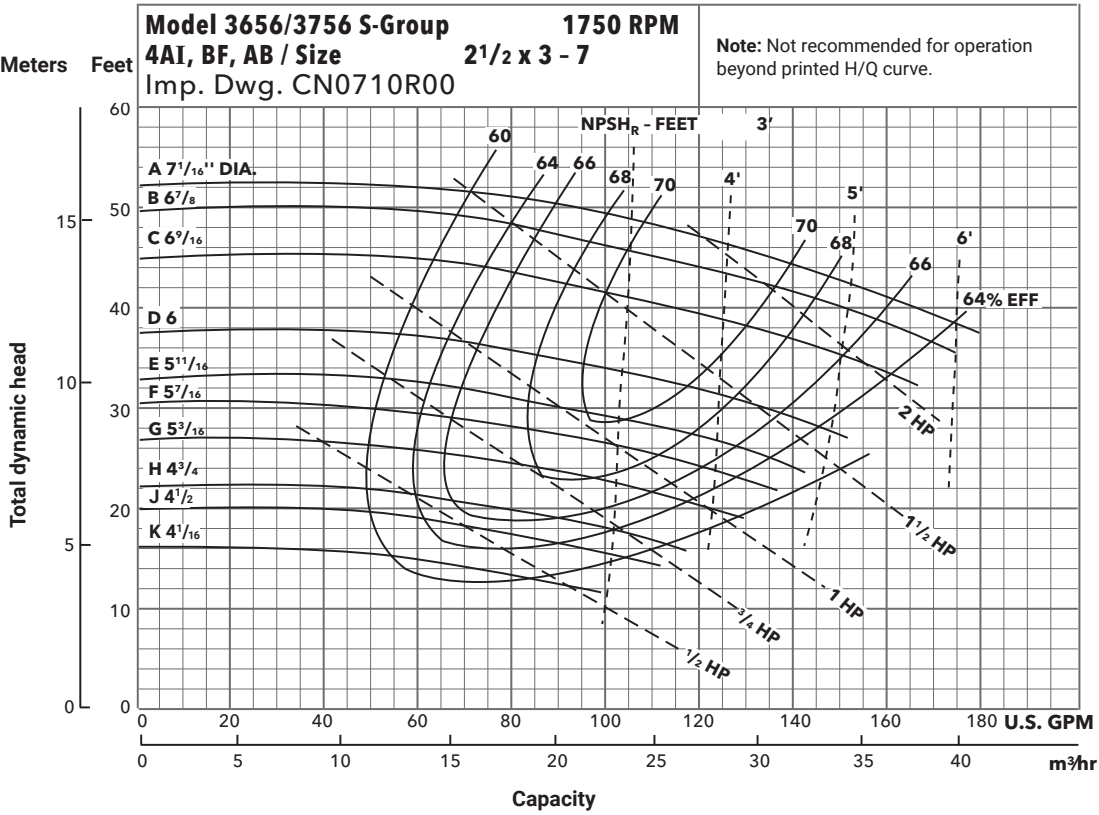
Note: Pump will pass a sphere to 3/16 diameter.

Performance curves – 60 Hz, 1750 RPM



Optional impeller	
Ordering code	Dia.
A	8 1/16
B	7 7/8
C	6 3/4
D	5 3/4

Note: Pump will pass a sphere to 5/16 diameter.



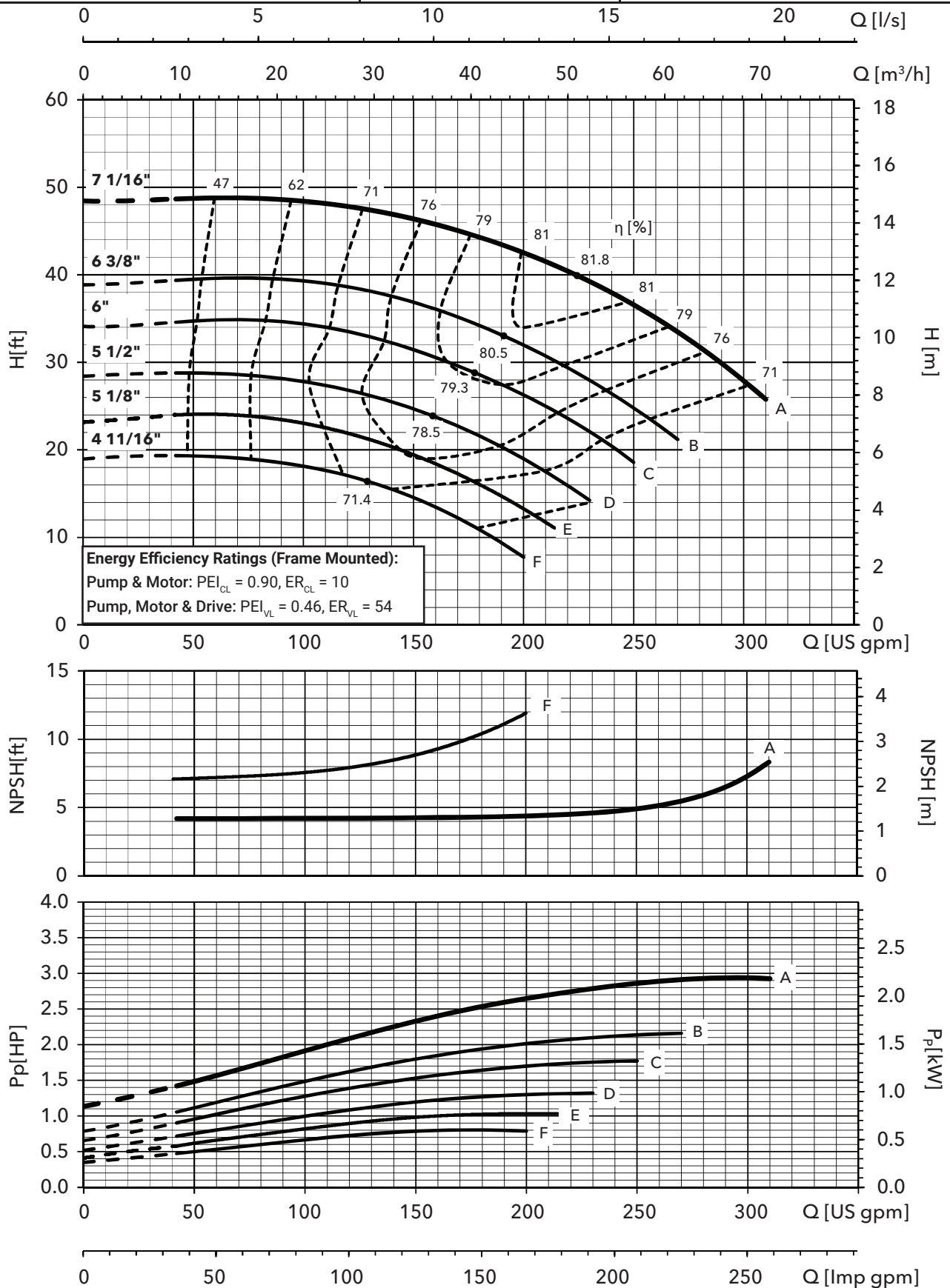
Optional impeller	
Ordering code	Dia.
A	7 1/16
B	6 7/8
C	6 9/16
D	6
E	5 11/16
F	5 7/16
G	5 3/16
H	4 3/4
J	4 1/2
K	4 1/16

Note: Pump will pass a sphere to 7/16 diameter.

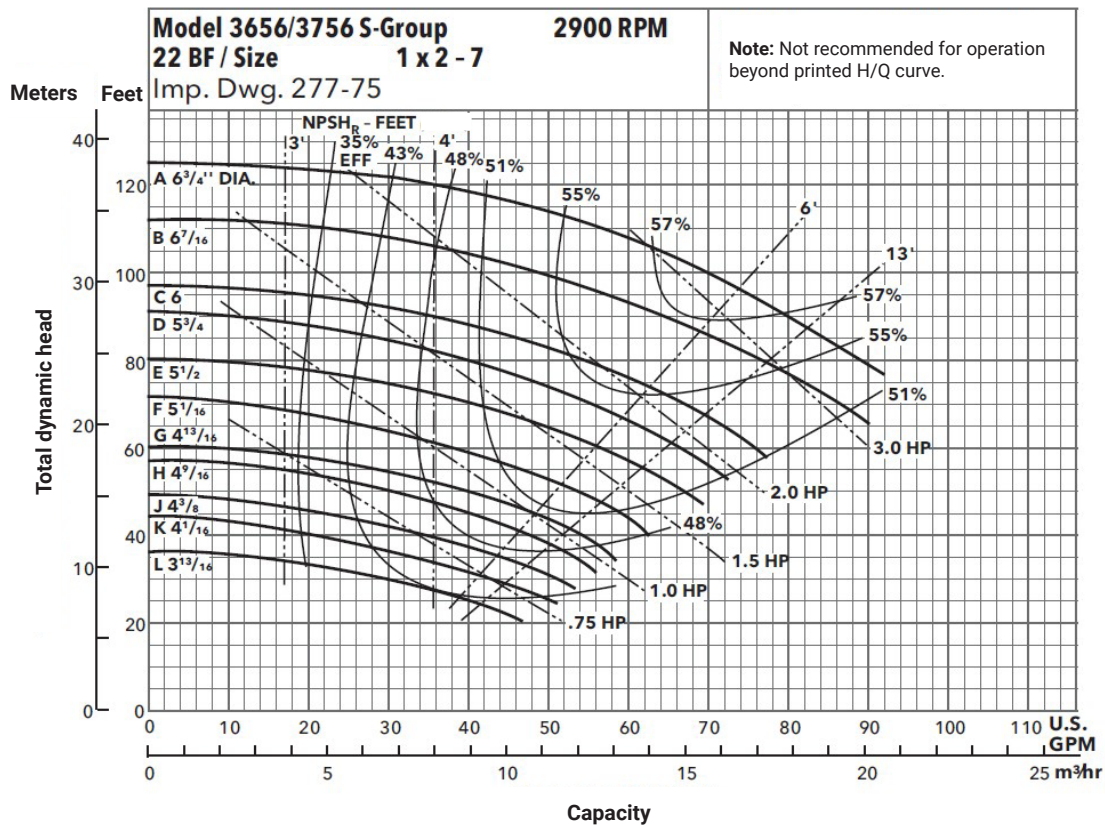
6AI/BF/AB 3x4-7

1750 RPM

ANSI/HI 14.6 - Grade 2B

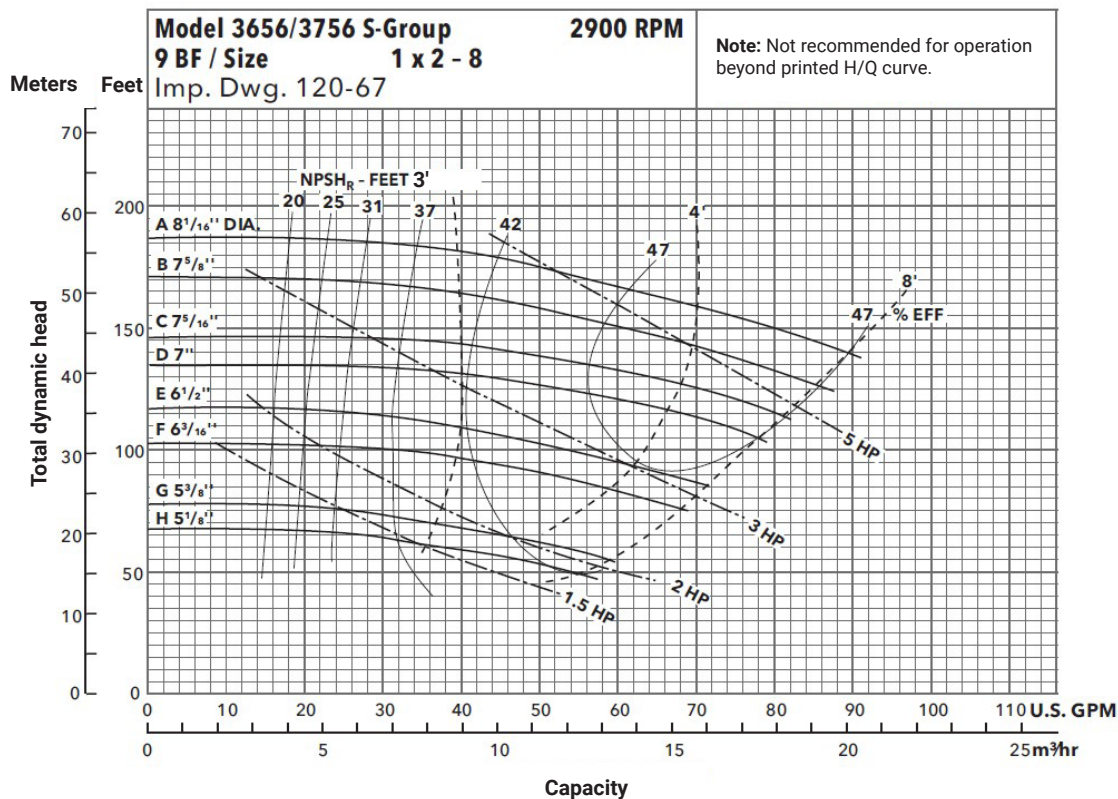


Performance curves – 50 Hz, 2900 RPM



Optional impeller	
Ordering code	Dia.
A	6 ³ / ₄
B	6 ⁷ / ₁₆
C	6
D	5 ³ / ₄
E	5 ¹ / ₂
F	5 ¹ / ₁₆
G	4 ¹³ / ₁₆
H	4 ⁹ / ₁₆
J	4 ³ / ₈
K	4 ¹ / ₁₆
L	3 ¹³ / ₁₆

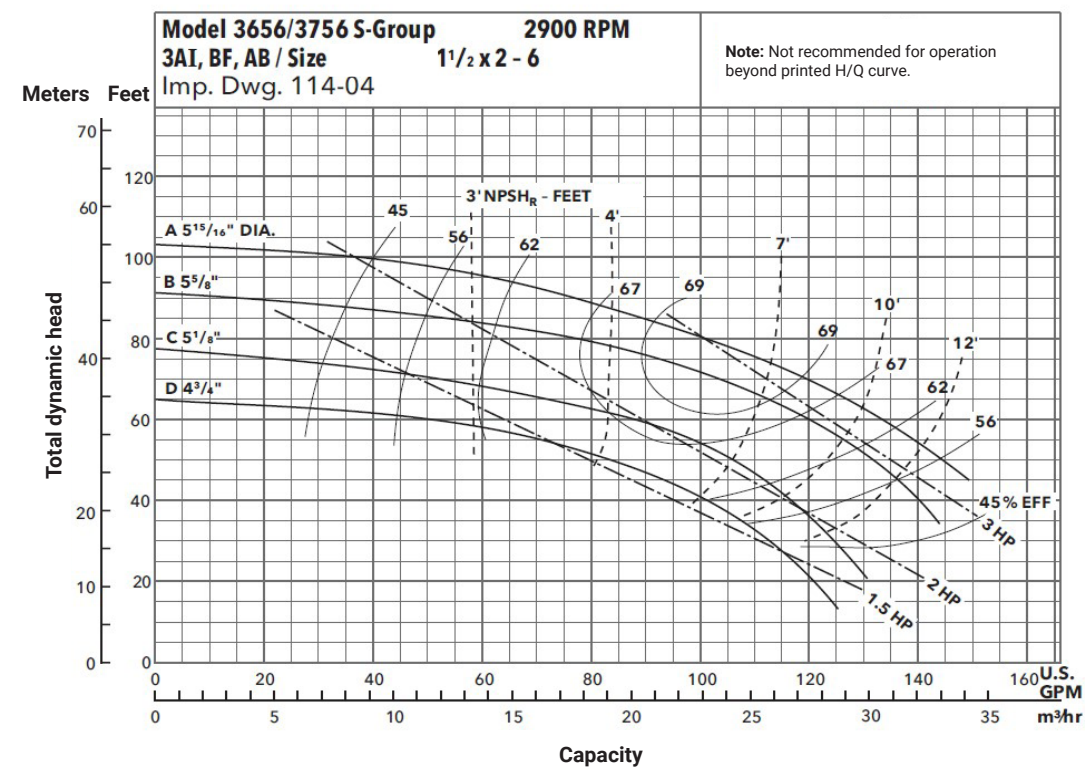
Note: Pump will pass a sphere to ³/₁₆ diameter.



Optional impeller	
Ordering code	Dia.
A	8 ¹ / ₁₆
B	7 ⁵ / ₈
C	7 ⁵ / ₁₆
D	7
E	6 ¹ / ₂
F	6 ³ / ₁₆
G	5 ³ / ₈
H	5 ¹ / ₈

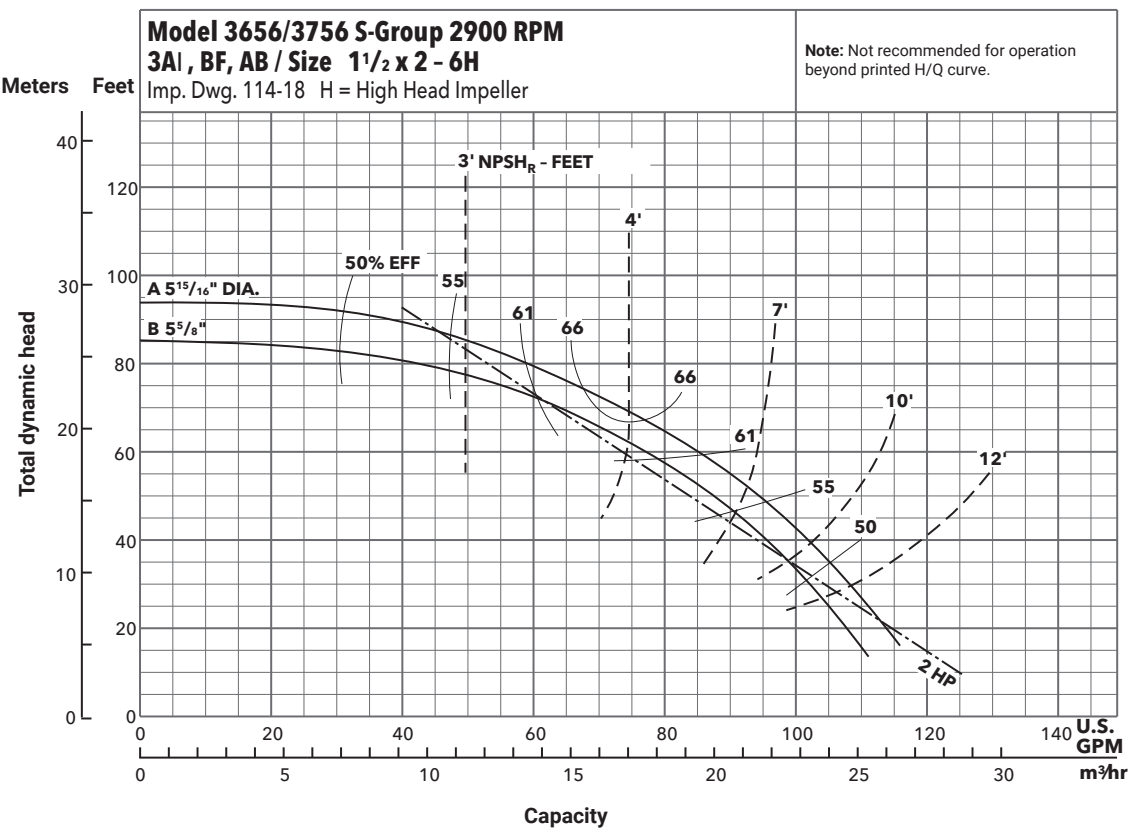
Note: Pump will pass a sphere to ⁵/₁₆ diameter.

Performance curves – 50 Hz, 2900 RPM



Optional impeller	
Ordering code	Dia.
A	5 15/16
B	5 5/8
C	5 1/8
D	4 3/4

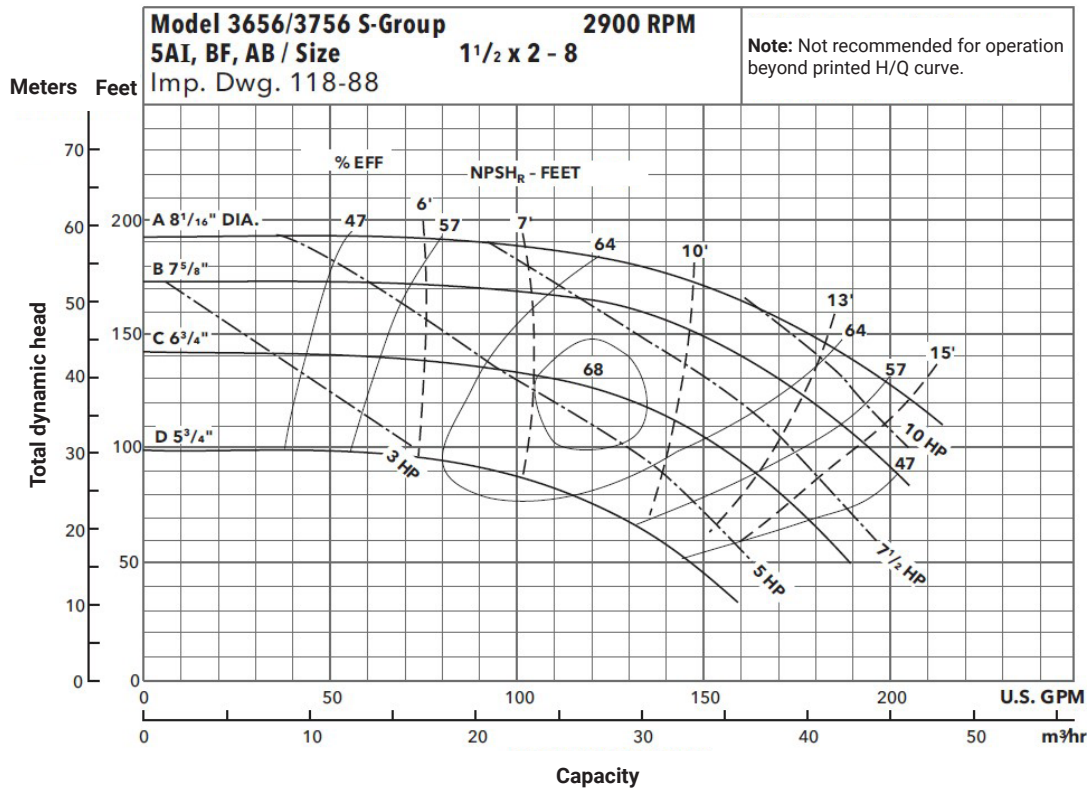
Note: Pump will pass a sphere to 7/16 diameter.



Optional impeller	
Ordering code	Dia.
A	5 15/16
B	5 5/8

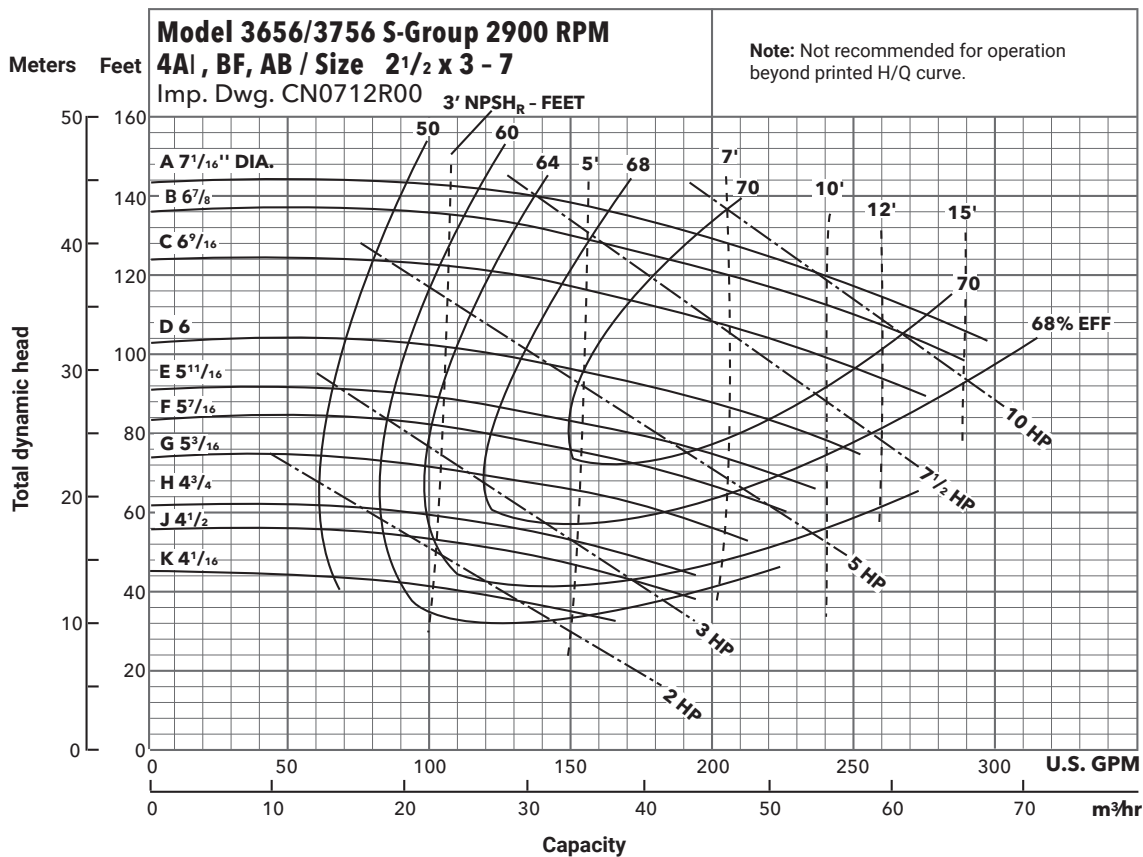
Note: Pump will pass a sphere to 1½ diameter.

Performance curves – 50 Hz, 2900 RPM



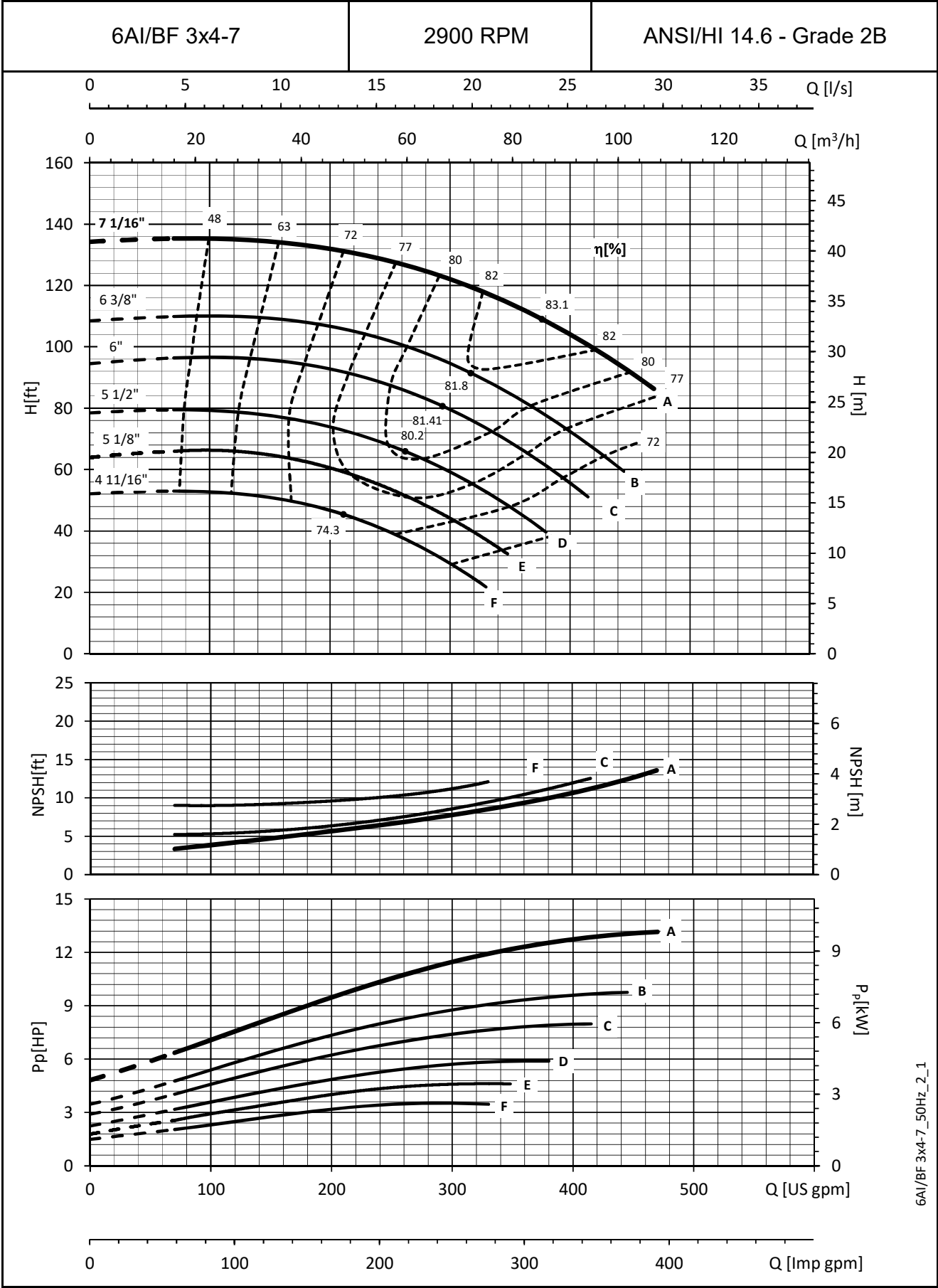
Optional impeller	
Ordering code	Dia.
A	8 ¹ / ₁₆
B	7 ⁵ / ₈
C	6 ³ / ₄
D	5 ³ / ₄

Note: Pump will pass a sphere to ³/₁₆ diameter.



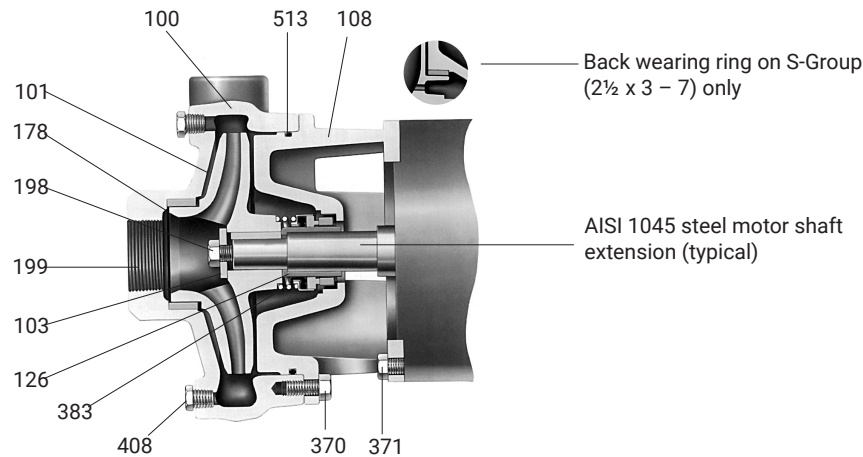
Optional impeller	
Ordering code	Dia.
A	7 ¹ / ₁₆
B	6 ⁷ / ₁₆
C	6 ⁹ / ₁₆
D	6
E	5 ¹¹ / ₁₆
F	5 ⁷ / ₁₆
G	5 ³ / ₁₆
H	4 ³ / ₄
J	4 ¹ / ₂
K	4 ¹ / ₁₆

Note: Pump will pass a sphere to ⁵/₁₆ diameter.



6AI/BF 3x4-7_50Hz_2_1

3656 S-Group materials of construction



Item no.	Description	Materials	
		All iron	Bronze fitted
100	Casing	1001	1101
101	Impeller	1101	
103	Casing wear ring	1618	1618
108	Adapter	1003	1003
184	Seal housing	One piece with adapter	1101
126	Shaft sleeve	AISI Type 300 stainless steel	
198	Impeller screw		
199	Impeller washer		
178	Impeller key	Carbon steel	
370	Hex head cap screw (adapter to case)	Steel SAE 1200 Grade E	
371	Hex head cap screw (adapter to motor)		
408	Pipe plug 1/4" or 3/8"	Steel bronze	
513	O-ring	BUNA-N	
Material code		Engineering standard	
1003		Cast iron ASTM A48-CL30	
1101		Silicon bronze ASTM B584, C87500	
1618		Bismuth brass	

Note:

Pumps will be shipped with top-vertical discharge position as standard. For other orientations, remove casing bolts – rotate discharge to desired position – replace and tighten bolts to 25 ft./lbs. Note that discharge may extend below motor mounting surface in bottom-horizontal position; adequate clearance must be provided.

① For separate seal housing and adapter construction, all bronze material only, see repair parts page.

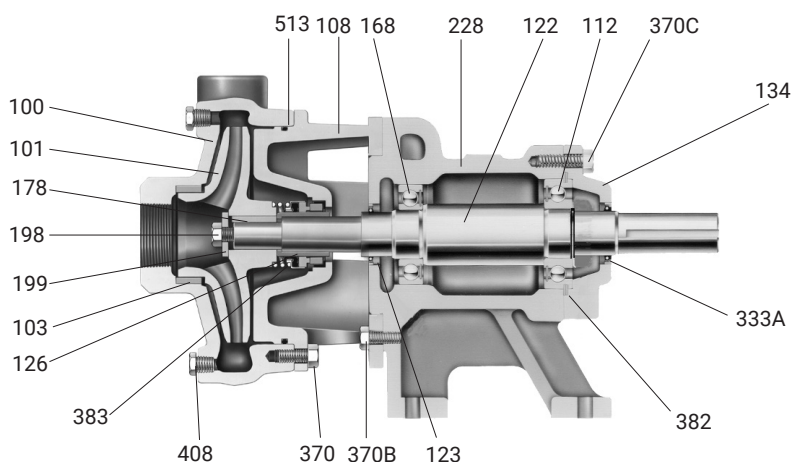
Packed box arrangement

Material code	Engineering standard	Materials
105	Lantern ring	Teflon
106	Packing, 5 rings	Teflon impregnated
107	Gland	AISI 316SS
126	Shaft sleeve	AISI Type 300 Series stainless steel
353	Gland stud	
355	Gland nut	

Type 21 mechanical seal					
Seal code	Rotary	Stationary	Elastomers	Metal parts	Part no.
0	Carbon	Ceramic	BUNA-N	316 SS	10K13
1		Sil-carbide	EPR		10K19
3			Viton		10K27
5			Sil-carbide		
9	Packed box design with BUNA O-Ring				15K16

Note: 10K27 replaces obsolete 10K25

3756 S-Group materials of construction



Note:

Above shows typical AI or BF construction. For separate seal housing adapter, all bronze construction, see repair parts.

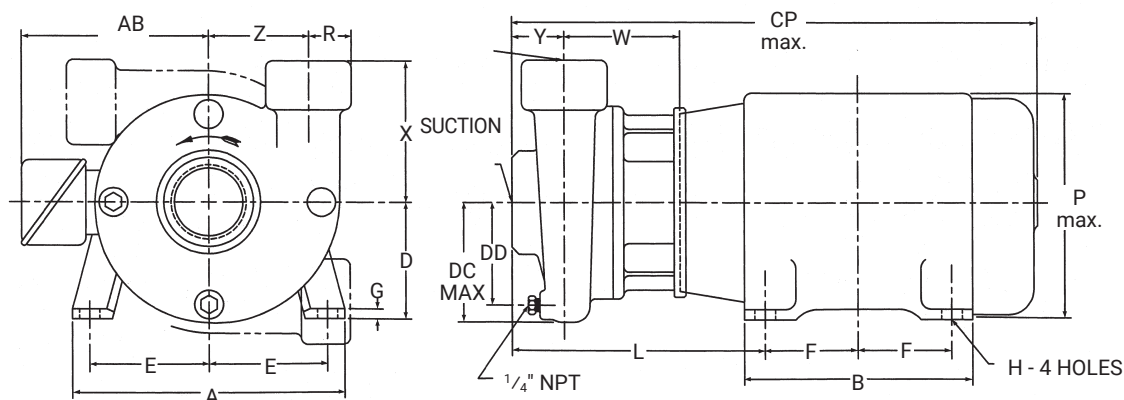
Pumps will be shipped with top-vertical discharge position as standard. For other orientations, remove casing bolts – rotate discharge to desired position – replace and tighten bolts to 25 ft./lbs. Note that discharge may extend below motor mounting surface in bottom-horizontal position; adequate clearance must be provided.

Item no.	Description	Materials	
		All iron	Bronze fitted
100	Casing	1001	1101
101	Impeller	1101	
103	Casing wear ring	1618	1618
108	Adapter	1003	1003
184	Seal housing	One piece with adapter	1101
112	Ball bearing (outboard)	Steel	
122	Shaft	Carbon steel	
123	V-ring (deflector)	BUNA-N	
126	Shaft sleeve	AISI Type 303 SS	
134	Bearing cover	1001	
168	Ball bearing (inboard)	Steel	
178	Impeller key	Carbon steel	
198	Impeller screw	AISI Type 303 SS	
199	Impeller washer	1001	
228	Bearing frame	Steel	
333A	Lip seal	Carbon steel	
370	Hex head cap screw (adapter to case)	Steel SAE 1200 Grade E	
370B	Hex head cap screw (adapter to bearing frame)		
370C	Hex head cap screw (bearing cover to frame)		
382	Retaining ring		
383	Mechanical seal	See seal chart	
408	Pipe plug 1/4" or 3/8"	Steel bronze	
513	O-ring	BUNA-N	

Material code	Engineering standard
1003	Cast iron ASTM A48-CL30
1101	Silicon bronze ASTM B584, C87500
1618	Bismuth brass

Packed box arrangement

Material code	Engineering standard	Materials
105	Lantern ring	Teflon
106	Packing, 5 rings	Teflon impregnated
107	Gland	AISI 316SS
126	Shaft sleeve	AISI Type 300 Series stainless steel
353	Gland stud	
355	Gland nut	



Pump dimensions and weights (Dimension "L" determined by pump and motor)

Pump	Suction	Discharge	CP (max.)	DC (max.)	DD	R	W	X	Y	Z	Wt. (lbs.)	Motor frame size			
												140	180	210	250
												L			
1 x 2 - 7	2	1	24 3/4	4 1/4	3 1/2	1 1/16	4 1/8	5 1/2	3	4	52	10	10 5/8	—	—
1 x 2 - 8					4		3 15/16	5 3/4	3 3/16	4 1/4	52			11 5/8	—
1 1/2 x 2 - 6		1 1/2	24 1/2	5 3/8	3 1/2	1 1/4	4 1/4	4 1/2	2 5/8	3 1/2	34	9 3/4	10 3/8	—	—
1 1/2 x 2 - 8					4 5/8			5		4 1/4	54			11 3/8	11 7/8
2 1/2 x 3 - 7	3	2 1/2	25 1/2	5 1/8	4 1/2	1 13/16	6	3	4	4 1/2	49	10 1/8	10 3/4	11 3/4	12 1/4
3 x 4 - 7	4*	3*	25 3/16	5 3/4	5 1/8	3 3/4					82	9 3/4	10 3/8	11 3/8	—

*For use with ANSI class 150 mating flange. All others are NPT connections.

Motor dimensions and weights (may vary with manufacturer)*

Frame size JM	A	AB (max.)	B	D	E	F	G	H	P (max.)	Weight (lbs.)
143	6 1/2	6 15/16	6 1/2	3 1/2	2 3/4	2	1/8	3/8	7 10/16	54
145						2 1/2				56
182	8 11/16	7 1/2	6 1/2	4 1/2	3 3/4	2 1/4	3/8	7/16	9 9/16	109
184						2 3/4				110
213	9 3/4	9 10/16	9 9/16	5 1/4	4 1/4	2 3/4	5/8	7/16	11 1/4	152
215						3 1/2				179
254 TCZ	11 1/2	12 10/16	11 1/2	6 1/4	5	4 1/8	1/4	1/2	13 1/2	392
256 TCZ						5				390

Note:

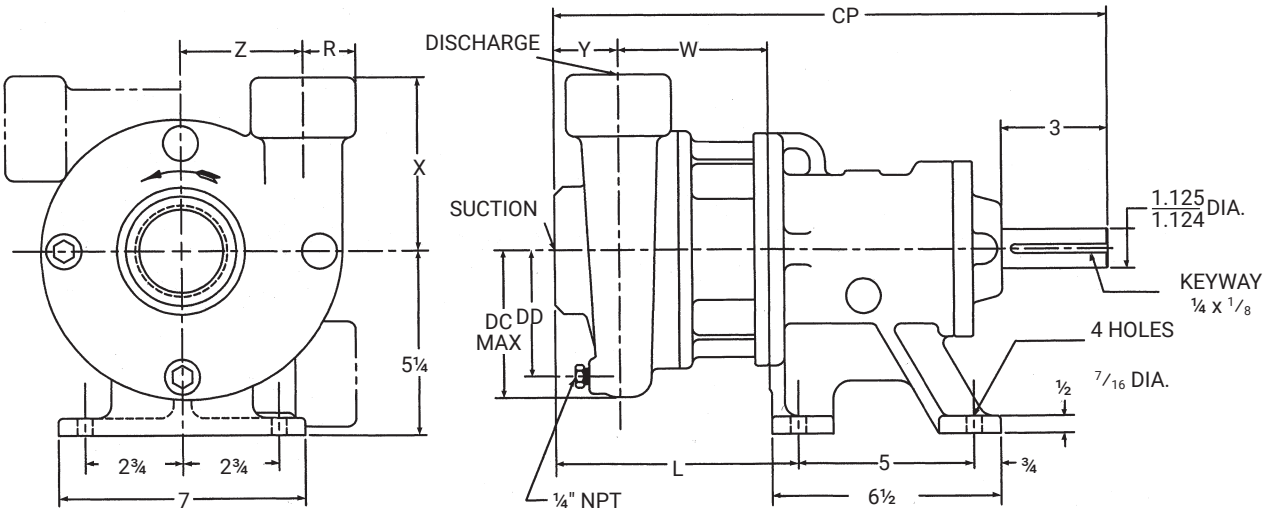
All pumps shipped in vertical discharge position. May be rotated in 90° increments. Tighten casing bolts to 25 ft./lbs. torque.

* Premium efficiency where required by Department of Energy regulations.

Motor frames and horsepower

Motor frame	3500 RPM						1750 RPM					
	1-Phase			3-Phase			1-Phase			3-Phase		
	ODP*	TEFC*	XP*	ODP*	TEFC*	XP*	ODP*	TEFC*	XP*	ODP*	TEFC*	XP*
143JM	1, 1 1/2	1, 1 1/2	—	1, 1 1/2	1, 1 1/2	—	1/2, 3/4, 1	1/2, 3/4, 1	1/2	1/2, 3/4, 1	1/2, 3/4, 1	—
145JM	2	2	—	2, 3	2	2	1 1/2	1 1/2	—	1 1/2, 2	1 1/2, 2	—
182JM	3	3	3	5	3	3	2	2, 3	2	3	3	3
184JM	5	5	—	7 1/2	5	5	3	—	—	5	5	—
213JM	7 1/2	—	—	10	7 1/2	7 1/2	—	—	—	—	—	—
215JM	10	7 1/2, 10	—	15	10, 15	10	—	—	—	—	—	—
254TCZ	—	—	—	20	—	15	—	—	—	—	—	—
256TCZ	—	—	—	—	20	20	—	—	—	—	—	—

All dimensions in inches and weights in lbs. Do not use for construction purposes.

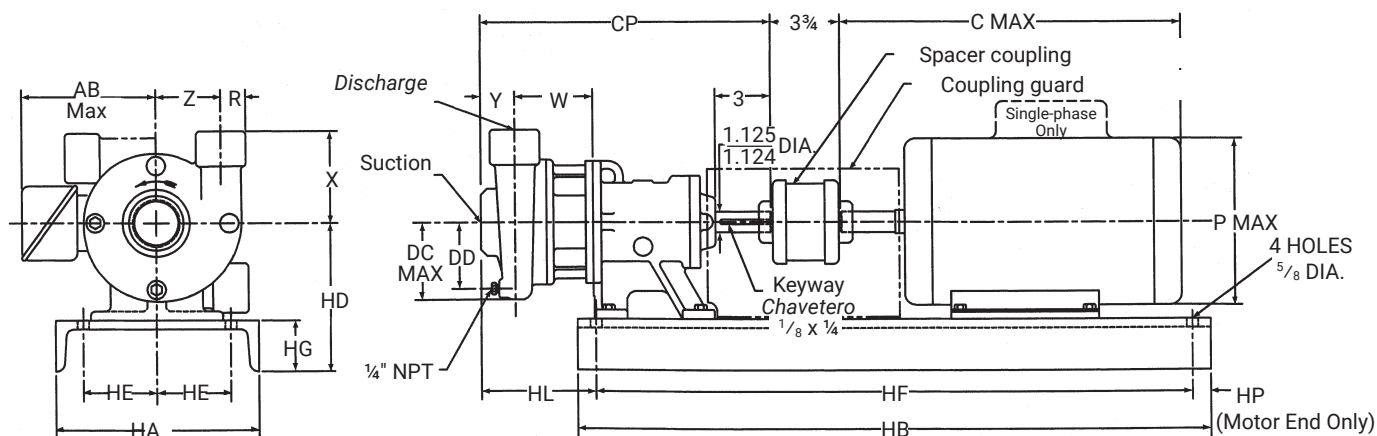


Pump dimensions and weights (Dimension “L” determined by pump and motor)

Pump	Suction	Discharge	CP	DC (max.)	DD	L	R	W	X	Y	Z	Weight (lbs.)
1 x 2 – 7	2	1	16¾	4¼	3½	8	1⅛	4⅛	5½	3	4	84
1 x 2 – 8					4			3 ¹⁵ / ₁₆	5¾	3 ³ / ₁₆	4¼	84
1 1/2 x 2 – 6		1½	16½	3½	7¾	1¼	4¼	4½	2 ⁵ / ₈	3½	66	
1 1/2 x 2 – 8				5 ³ / ₈				4 ⁵ / ₈		5	4¼	86
2 1/2 x 3 – 7	3	2½	16 ⁷ / ₈	5 ¹ / ₈	4½	8 ¹ / ₈	11 ³ / ₁₆	4 ³ / ₈	6	3	4	81
3 x 4 – 7	4*	3*	16½	5¾	5 ¹ / ₈	7¾	3¾			2½	4½	114

Note:
 All pumps shipped in vertical discharge position. May be rotated in 90° increments. Tighten casing bolts to 25 ft./lbs. torque.
 Dimensions in inches, weights in lbs. Do not use for construction purposes.

*For use with ANSI class 150 mating flange. All others are NPT connections.



Pump dimensions and weights (Dimension "HL" determined by pump and motor)

Pump	Suction	Discharge	CP (max.)	DC (max.)	DD	R	W	X	Y	Z	Weight (lbs.)	Motor frame size		
												140 / 180	210	250 / 280
												HL		
1 x 2 - 7	2	1	16 ³ / ₈	4 ¹ / ₄	3 ¹ / ₂	1 ¹ / ₁₆	4 ¹ / ₈	5 ¹ / ₂	3	4	84	9 ¹ / ₄	—	—
1 x 2 - 8					4		3 ¹⁵ / ₁₆	5 ³ / ₄	3 ³ / ₁₆	4 ¹ / ₄	84		—	—
1 1/2 x 2 - 6		1 ¹ / ₂	16 ¹ / ₂	5 ³ / ₈	3 ¹ / ₂	1 ¹ / ₄	4 ¹ / ₂	4 ¹ / ₂	2 ⁵ / ₈	3 ¹ / ₂	66		7 ³ / ₄	—
1 1/2 x 2 - 8					5 ³ / ₈		4 ¹ / ₄	5	4 ¹ / ₄	4 ¹ / ₄	86		—	—
2 1/2 x 3 - 7	3	2 ¹ / ₂	16 ⁷ / ₈	5 ¹ / ₈	4 ¹ / ₂	1 ¹³ / ₁₆			3	4	81	9 ⁵ / ₈	8 ¹ / ₈	4 ³ / ₈
3 x 4 - 7	4*	3*	16 ¹ / ₂	5 ¹ / ₄	5 ¹ / ₈	3 ³ / ₄	4 ³ / ₈		2 ¹ / ₂	4 ¹ / ₂	114	9 ¹ / ₄	7 ³ / ₄	7

*For use with ANSI class 150 mating flange. All others are NPT connections.

Motor dimensions and weights

Motor frame	3500 RPM					1750 RPM						AB (max.)	C (max.)	P (max.)	Weight (lbs.)
	1-Phase		3-Phase			1-Phase			3-Phase						
	ODP*	TEFC*	ODP*	TEFC*	XP*	ODP*	TEFC*	XP*	ODP*	TEFC*	XP*				
143T	1, 1½	1, 1½	1, 1½	1, 1½	—	½, ¾, 1	½, ¾	—	½, ¾, 1	½, ¾, 1	—	6 ¹⁵ / ₁₆	12 ⁵ / ₁₆	7 ³ / ₁₆	41
145T	2	2	2, 3	2	—	1½	1½	—	1½, 2	1½, 2	2		15¼		58
182T	—	3	5	3	3	2	—	2	3	3	—	8 ³ / ₁₆	17 ⁷ / ₁₆	9 ⁷ / ₁₆	108
184T	5	5	7½	5	—	3, 5	5	—	5	5	—		18 ¹ / ₁₆		110
213T	7½	7½	10	7½	—	—	—	—	—	—	—	9 ¹¹ / ₁₆	19	11	136
215T	10	10	15	10, 15	10	—	—	—	—	—	—		20½		212
254T	—	—	20	—	—	—	—	—	—	—	—	10 ¹ / ₁₆	23¾	13¾	258
256T	—	—	—	20	—	—	—	—	—	—	—				291
284TS/T	—	—	—	—	—	—	—	—	—	—	—	13 ¹ / ₈	27¾	14¾	398

* Premium efficiency where required by Department of Energy regulations.

Bedplate dimensions and weights

Motor frame	HA	HB	HD	HE	HF	HG	HP*	Motor	Bearing frame	Weight (lbs.)
143 T	10	28	8	3 ³ / ₄	24	2 ³ / ₄	3 ⁴ / ₈	1 ³ / ₄	—	48
145 T					24	2 ¹ / ₂				
182 T					3 ³ / ₄	2 ¹ / ₄	1 ¹ / ₅	3 ⁴ / ₈	—	
184 T					3 ³ / ₄	2 ³ / ₄				
213 T	12	31	8 ¹ / ₄	4 ¹ / ₄	29	3	1	—	—	65
215 T					29	3 ¹ / ₂				
254 T	13	42	9 ¹ / ₄	5 ¹ / ₄	38 ¹ / ₂	4	1 ³ / ₄	—	1	110
256 T					38 ¹ / ₂	5				
284 TS/T	15	44	10 ¹ / ₂	5 ³ / ₄	40 ¹ / ₂	3 ¹ / ₂		—	1 ³ / ₄	124

* "HP" dimension at motor end only.

Note:

1. All pumps shipped in vertical discharge position. May be rotated in 90° increments. Tighten casing bolts to 25 ft./lbs. torque.
2. Dimensions in inches, weights in lbs. Do not use for construction purposes.
3. Motor dimensions and weights vary with manufacturer.

Specifications

Capacities to: 550 GPM (125 m³/hr) at 3500 RPM 350 GPM (79 m³/hr) at 1750 RPM

Heads to: 280 feet TDH (85 m) at 3500 RPM 67 feet TDH (20 m) at 1750 RPM

Working pressure to: 175 PSIG (12 bars)

Suction pressure to: 100 PSIG (7 bars)

Maximum temperature to: 212°F (100°C) with standard seal or 250°F (121°C) with optional seal

Motor: NEMA standard JM frame or JP frame for 3656 or T-frame for 3756. Open drip-proof*, totally enclosed fan cooled* and explosion proof* enclosures available. Single-phase (115/208-230V) ½-1 HP, (115/230V) 1½-3 HP and three-phase (230/460V) ½-25 HP.

Direction of rotation: Clockwise viewed from motor end

** Premium efficiency where required by Department of Energy regulations.*

Typical applications

- Booster service
- Spraying systems
- Irrigation
- Water circulation
- Liquid transfer
- General purpose pumping

Notes



Learn more about
our full line of
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