

STAINLESS STEEL END SUCTION

JE2, JE2Z SERIES



Stainless Steel Construction
Closed impeller
Flow: 13 to 750 GPM
Head: to 250 GPM
Range of HP: to 30 HP

Applications
Commercial booster system
HVAC
Boiler feed

JE2-Z (3450 RPM)

SPECIFICATIONS	N1-02
SELECTION CHART	N1-03
DIMENSIONS	N1-28

MODEL No.	PERFORMANCE CURVE
JE2-Z-125-7.5	N1-12
JE2-Z-125-10	N1-13
JE2-Z-160-10	N1-14
JE2-Z-160-15	N1-15
JE2-Z-160-20	N1-16
JE2-Z-160-25	N1-17
JE2-Z-200-20	N1-18
JE2-Z-200-25	N1-19
JE2-Z-200-25	N1-20

JE24 (1725 RPM)

SELECTION CHART	N1-03
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MODEL No.	PERFORMANCE CURVE
JE24-A-200-1HP	N1-22
JE24-A-200-1-1½HP	N1-22
JE24-B-160-1HP	N1-23
JE24-B-200A-1½HP	N1-23
JE24-B-200B-2HP	N1-24
JE24-B-125-1HP	N1-24
JE24-C-160-1½HP	N1-25
JE24-C-160-1-2HP	N1-25



NSF 61/Annex G Certified
Certified California AB 1953 Compliant
Certified Vermont Act 193 Compliant



CONTENTS:

JE2 (3540 RPM)

SPECIFICATIONS	N1-02
SELECTION CHART	N1-03
DIMENSIONS	N1-26

MODEL No.	PERFORMANCE CURVE
JE2-A-125-3HP	N1-04
JE2-A-160A-5HP	N1-04
JE2-A-160B-5HP	N1-05
JE2-A-200-7½HP	N1-05
JE2-A-200-1-10HP	N1-06
JE2-B-125A-5HP	N1-06
JE2-B-125B-5HP	N1-07
JE2-B-160-7½HP	N1-07
JE2-B-160-1-10HP	N1-08
JE2-B-200A-15HP	N1-08
JE2-B-200B-15HP	N1-09
JE2-C-125-7½HP	N1-09
JE2-C-125-1-10HP	N1-10
JE2-C-160-10HP	N1-10
JE2-C-160-1-15HP	N1-11



JDL PUMP SYSTEMS
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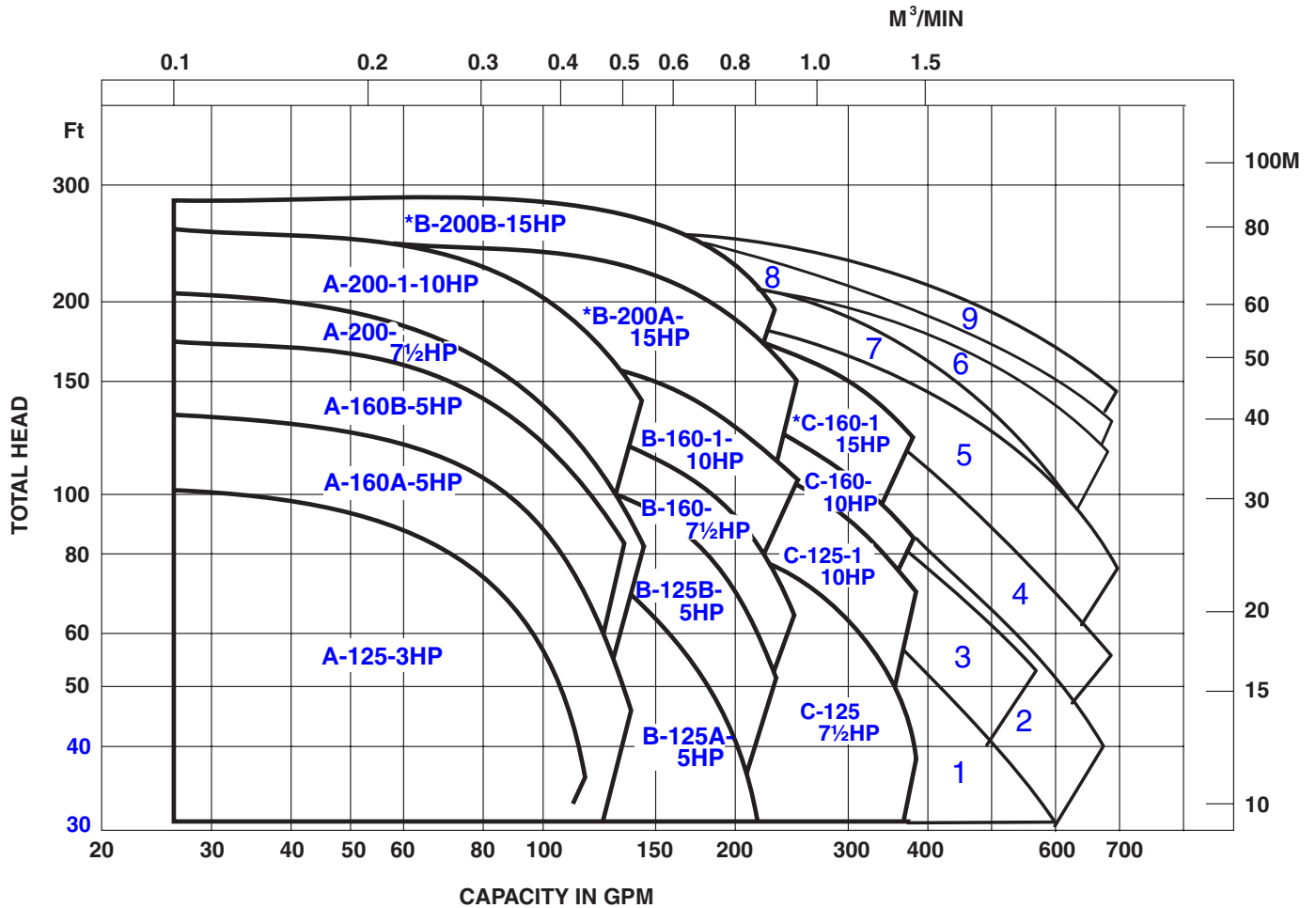
STAINLESS STEEL CENTRIFUGAL PUMPS

N1-00
rev.11/10

	STANDARD	OPTIONAL
Size Suction (150 lb. ANSI R.F. equivalent) Discharge (150 lb. ANSI R.F. equivalent)	JE2-A – 2" ANSI Equivalent JE2-B – 2½" ANSI Equivalent JE2-C – 2½" ANSI Equivalent JE2-D – 3" ANSI Equivalent JE2-A – 1¼" ANSI Equivalent JE2-B – 1½" ANSI Equivalent JE2-C – 2" ANSI Equivalent JE2-Z – 2½" ANSI Equivalent	Companion Flange kit 150 Lb. ANSI, Female NPT
Range of HP	JE2 3 HP to 15 HP JE2-Z 7½ HP to 30 HP	
Range of Performance Capacity Head	13 to 750 GPM at 3450 RPM 33 to 250 feet at 3450 RPM	
Liquid handled Type of liquid Temperature Max. working pressure	Clean water 212°F (100°C) 230 PSI (15 Bar)	Max. 250°F (121°C) with optional high temperature seal
Materials Casing Impeller (closed type) Shaft Sleeve Bracket	JE2 304L Stainless Steel 304L Stainless Steel 304L Stainless Steel Cast iron	JE2-Z 304L Stainless Steel 316L Stainless Steel 304L Stainless Steel Cast iron
Shaft Seal Seal Material	Mechanical Seal – Type 21 Carbon/Ceramic/Viton Carbon/Ceramic/Buna Hot water – Carbon/Ni-Resist/Viton, 250°F (121°C) max.	Consult factory for additional optional seal availability
Direction of Rotation	Clockwise when viewed from motor end	
Motor Type Speed Bearing Single Phase Three Phase Motor Protection	NEMA JM, TC, TSC Frame 60 Hz, 3450 RPM (2 poles) Ball Bearing TEFC – 3 HP ODP – 3 HP to 10 HP TEFC – 3 HP to 30 HP ODP – 3 HP to 30 HP 208-230/460V Overload protection must be provided	4 pole – consult factory as noted Explosion proof – consult factory for availability Washdown duty – consult factory for availability
Standard Accessories	Suction and Discharge Flange Gasket Motor support	

Model JE2, JE2Z

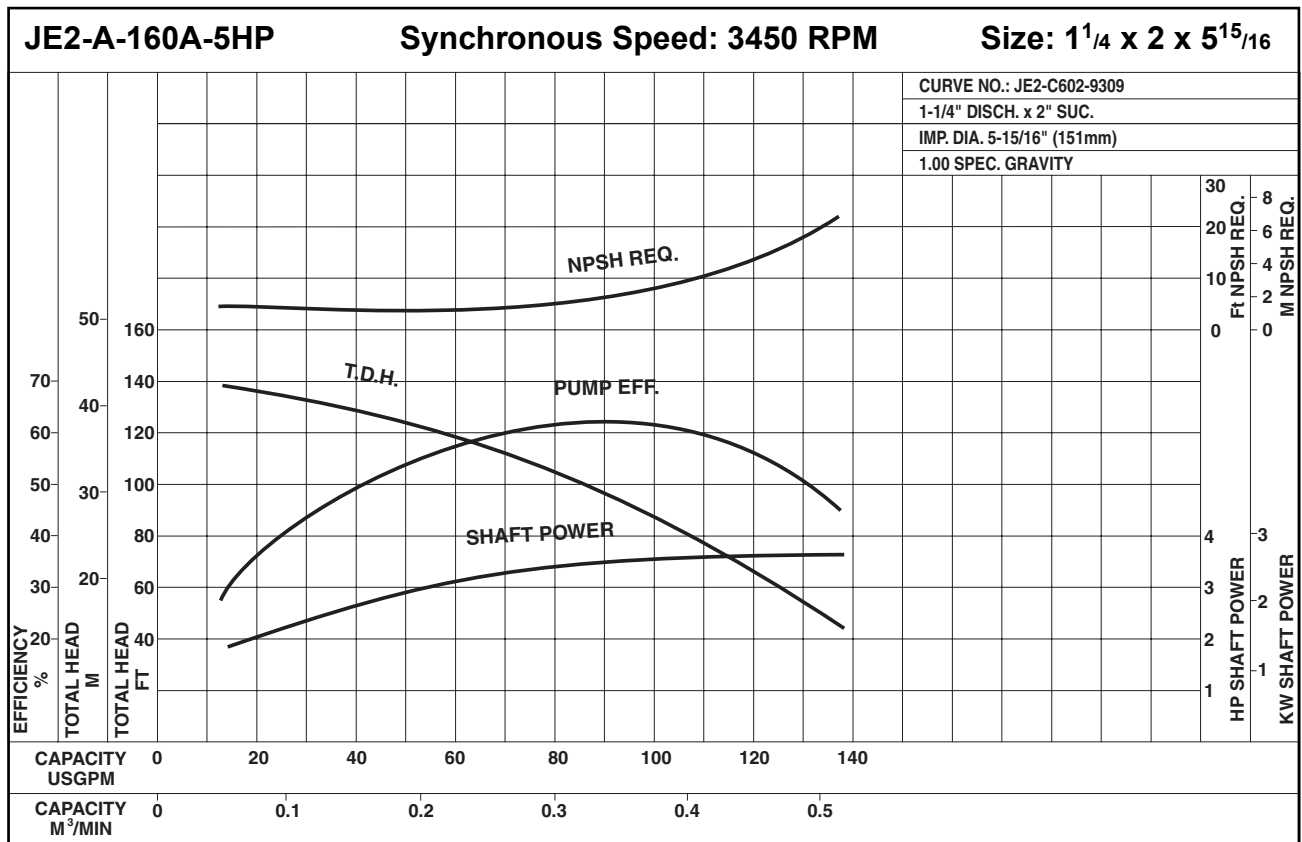
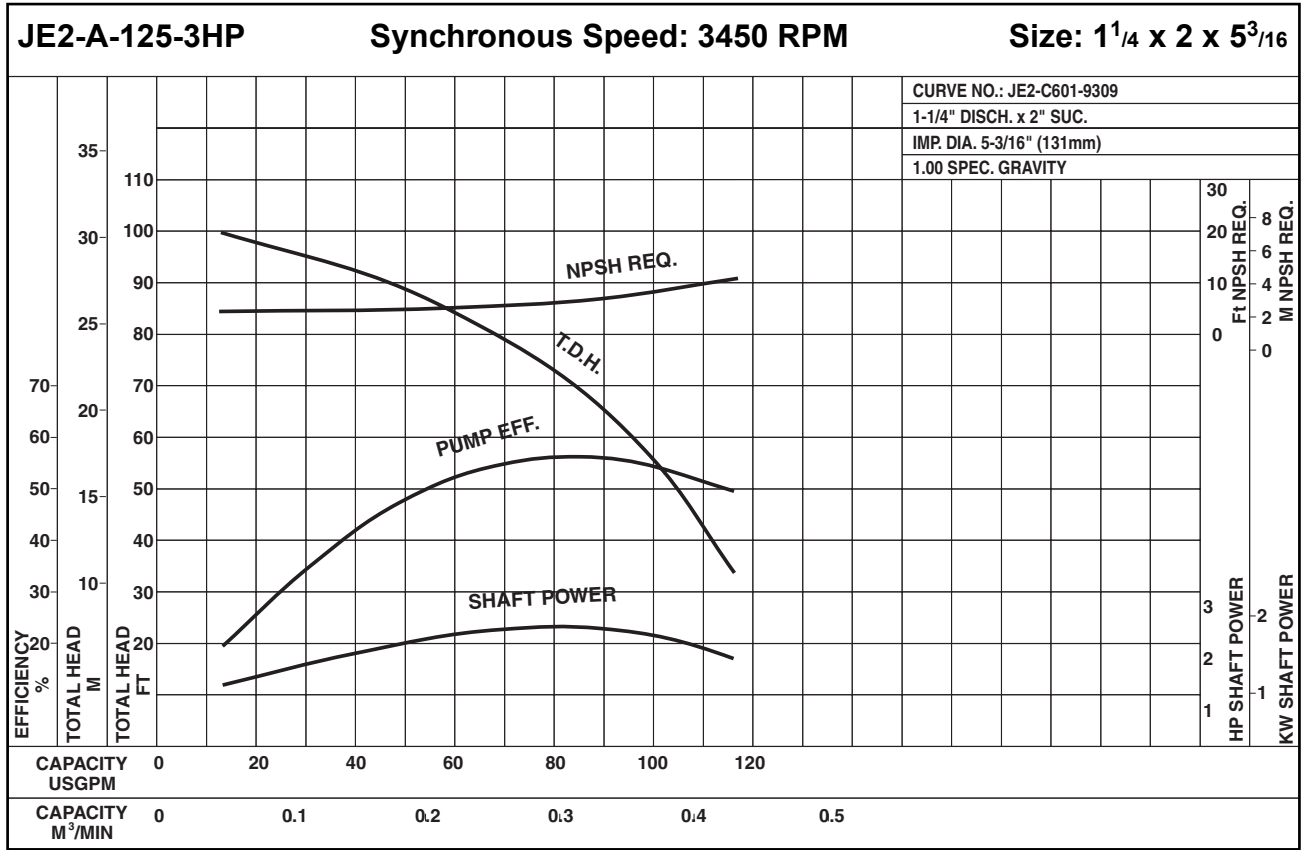
Synchronous Speed 3450 RPM

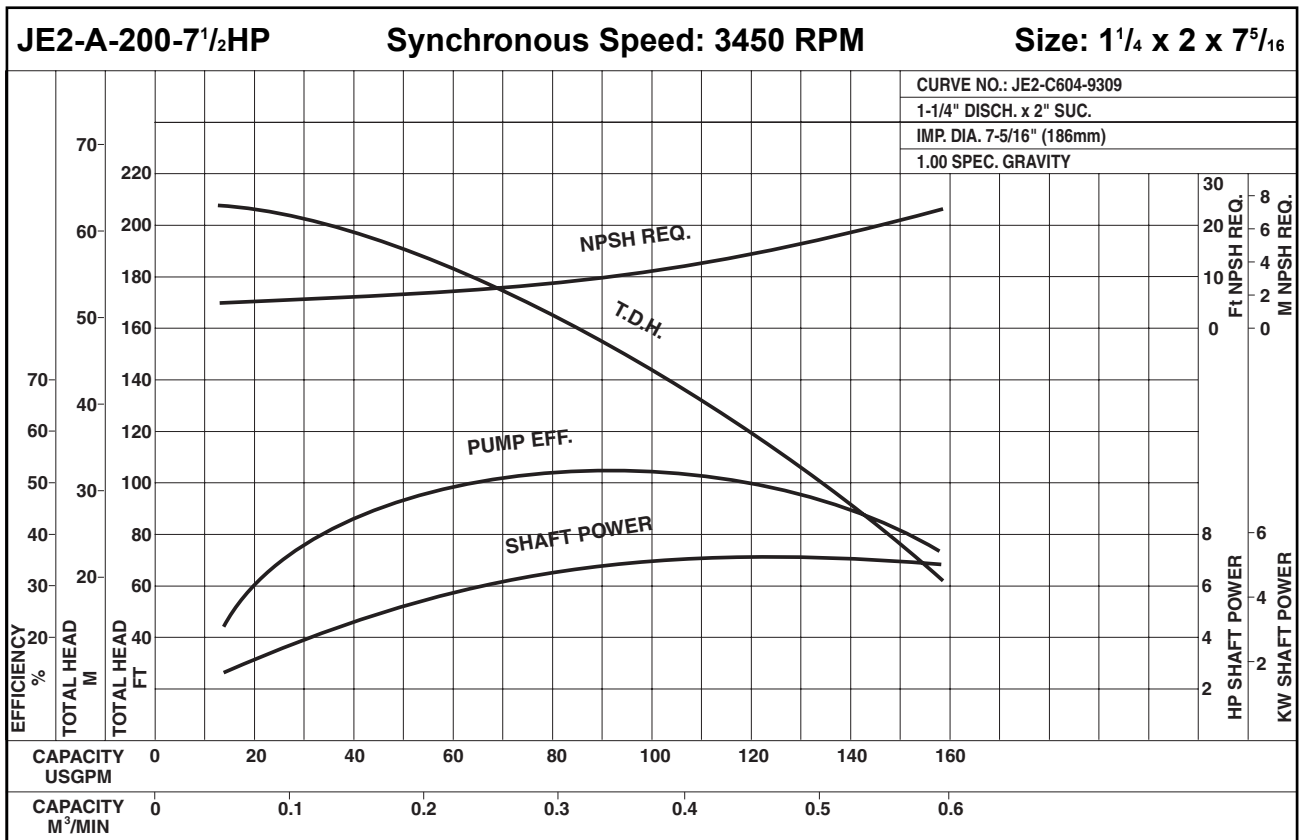
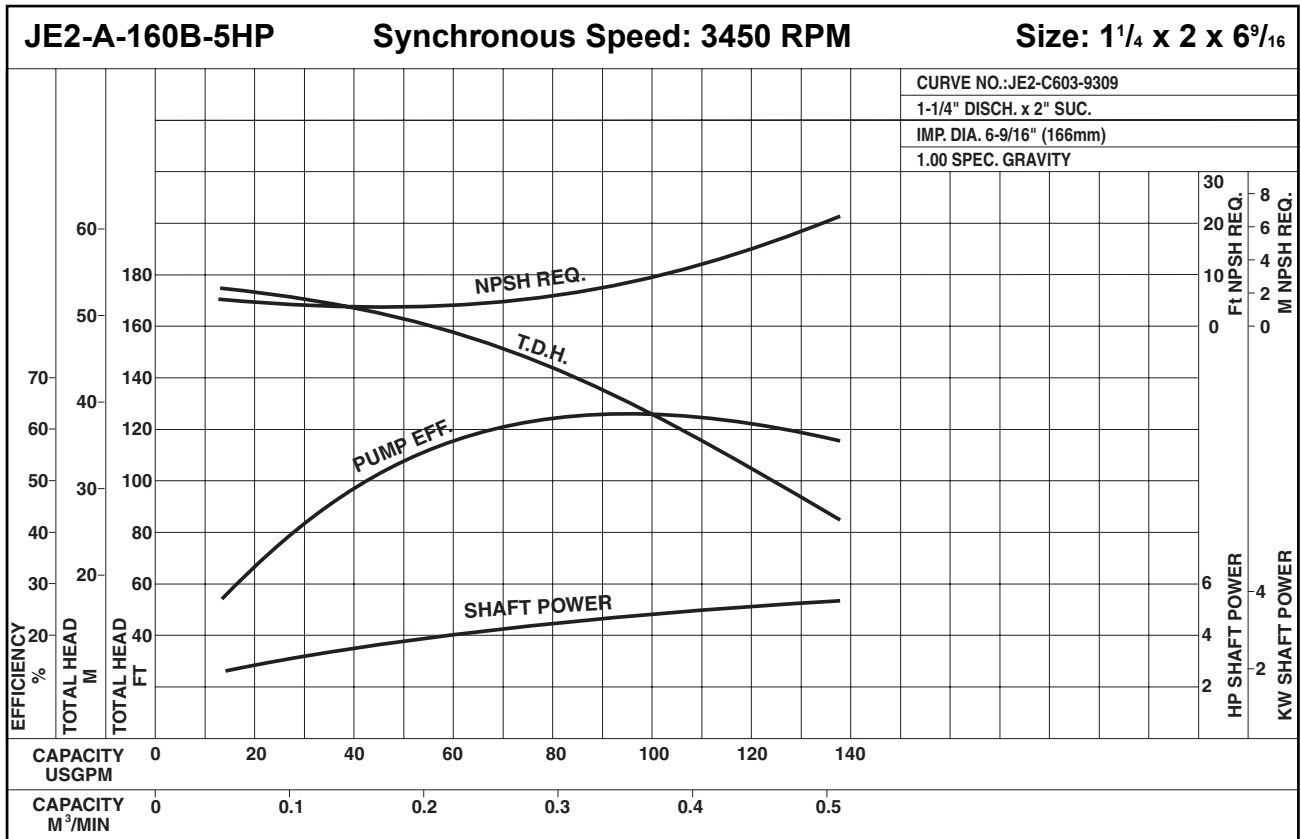


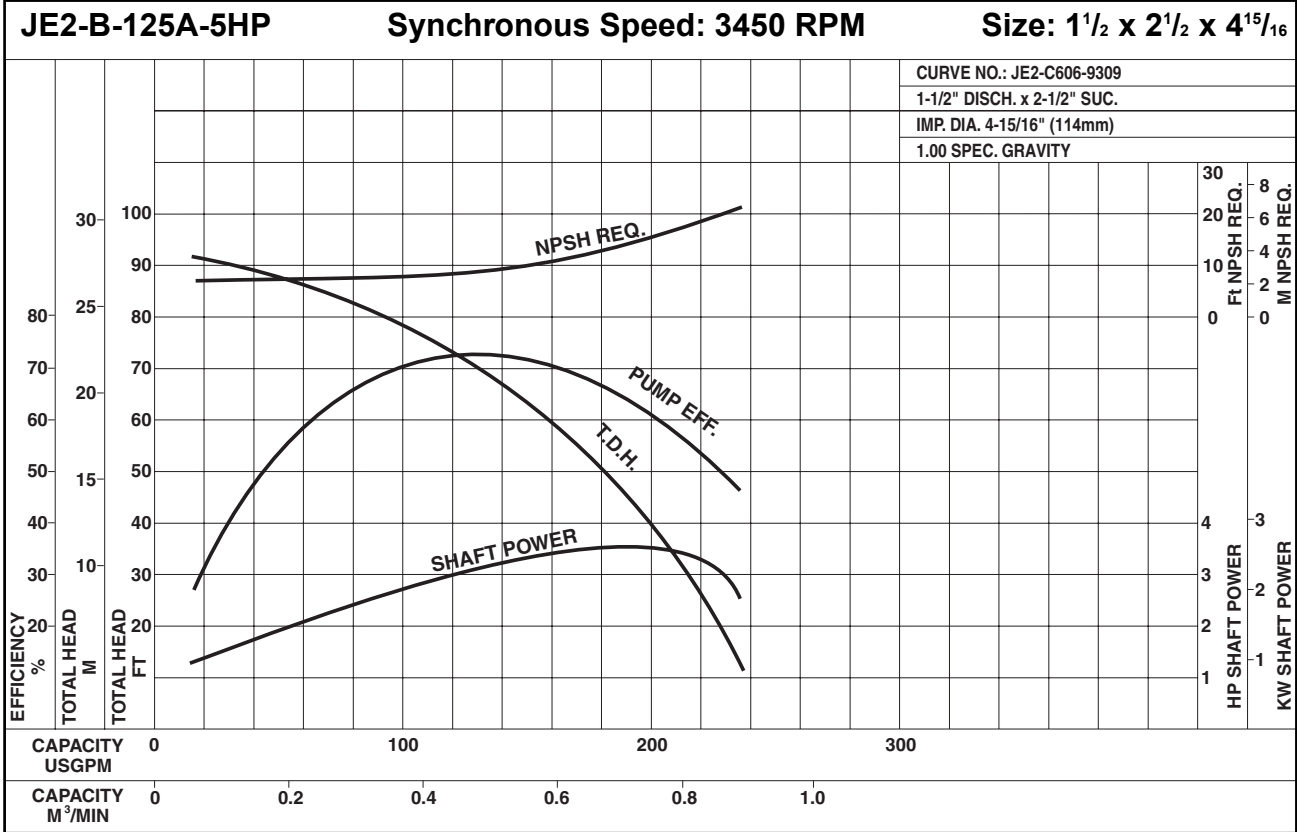
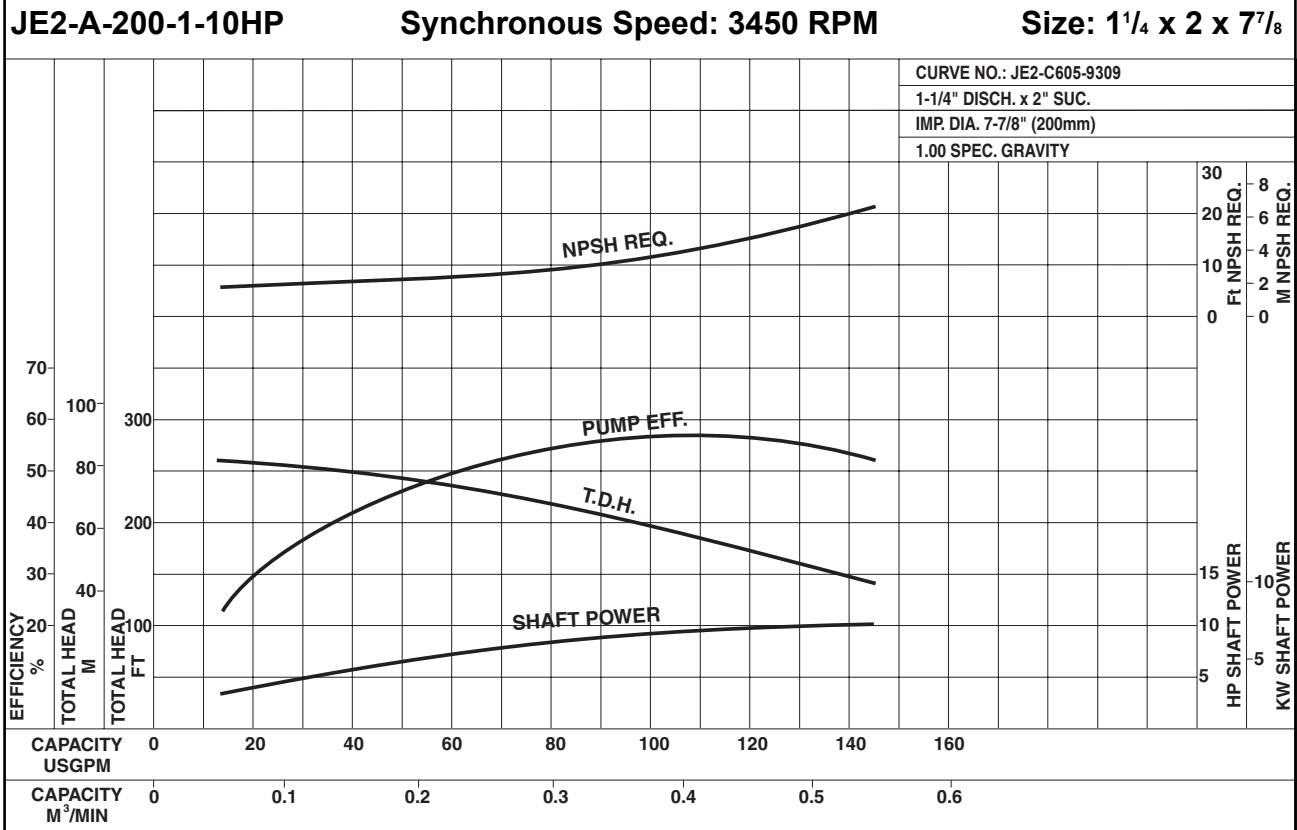
*Three phase motor only

1. JE2-Z-125-7 / 7.5HP
2. JE2-Z-125-10 / 10HP
3. JE2-Z-160-10 / 10HP
4. JE2-Z-160-15 / 15HP*
5. JE2-Z-160-20 / 20HP*
6. JE2-Z-160-25 / 25HP*
7. JE2-Z-200-20 / 20HP*
8. JE2-Z-200-25 / 25HP*
9. JE2-Z-200-30 / 30HP*

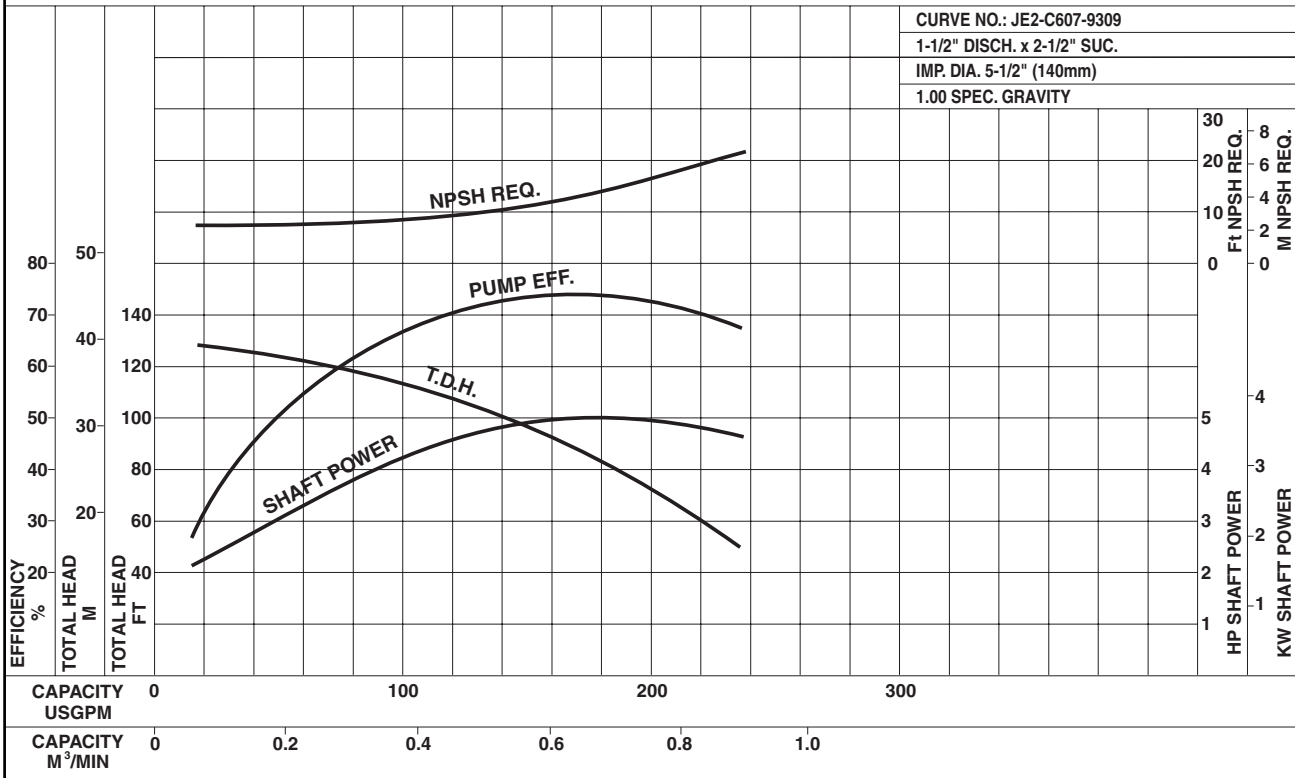




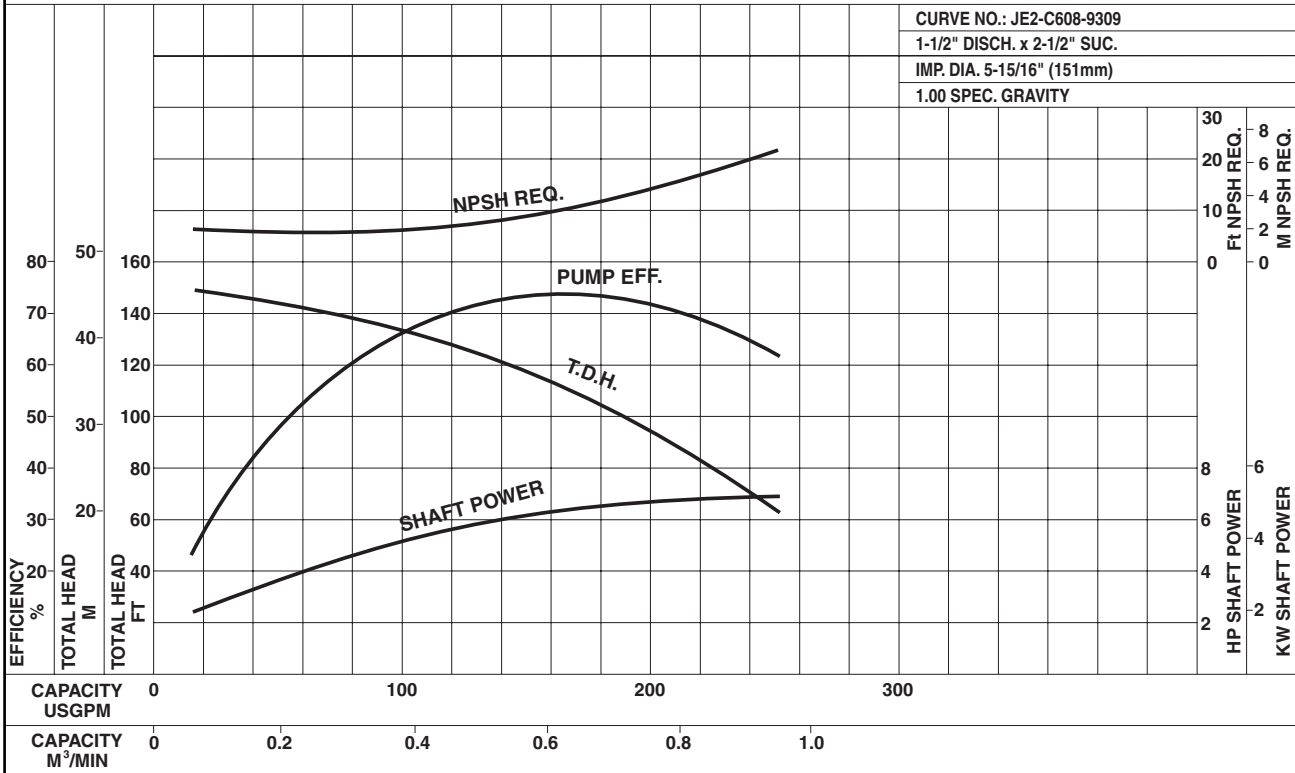


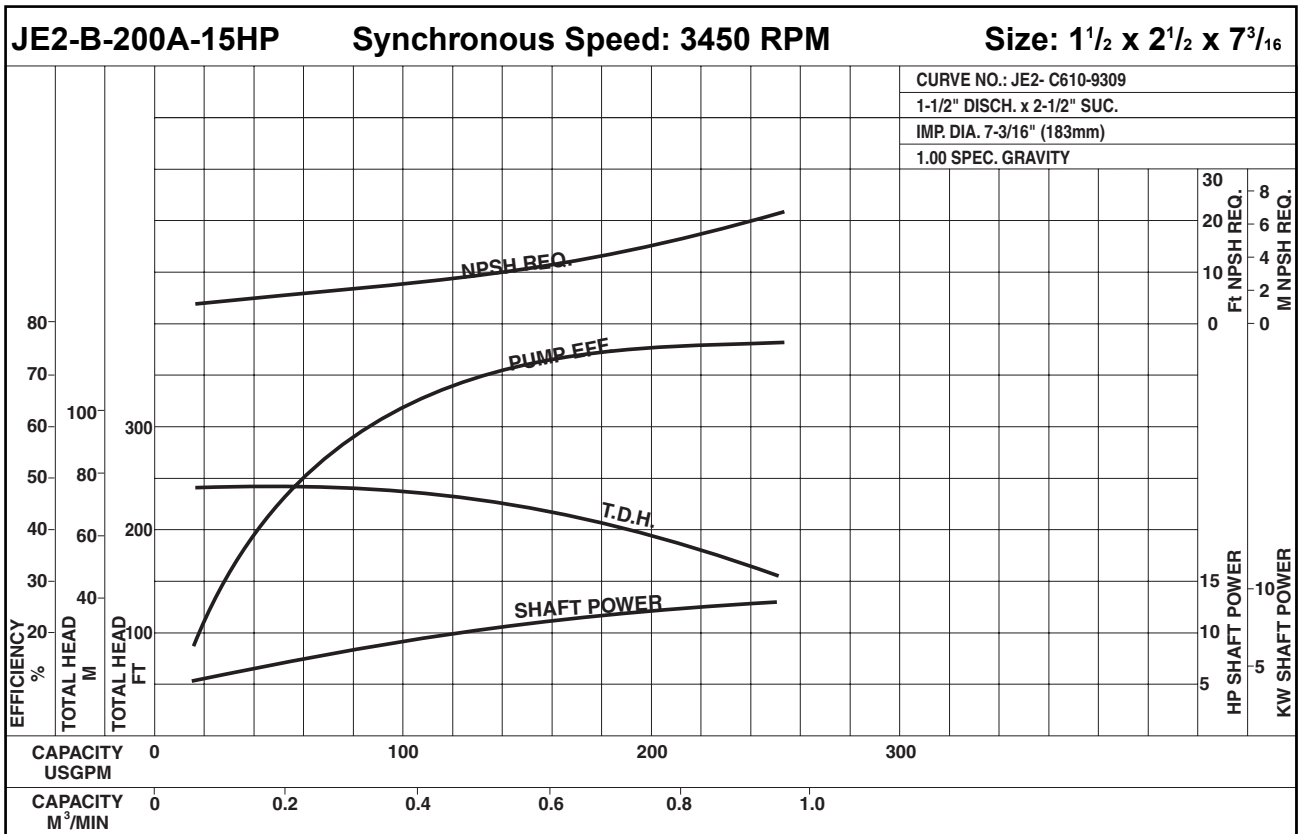
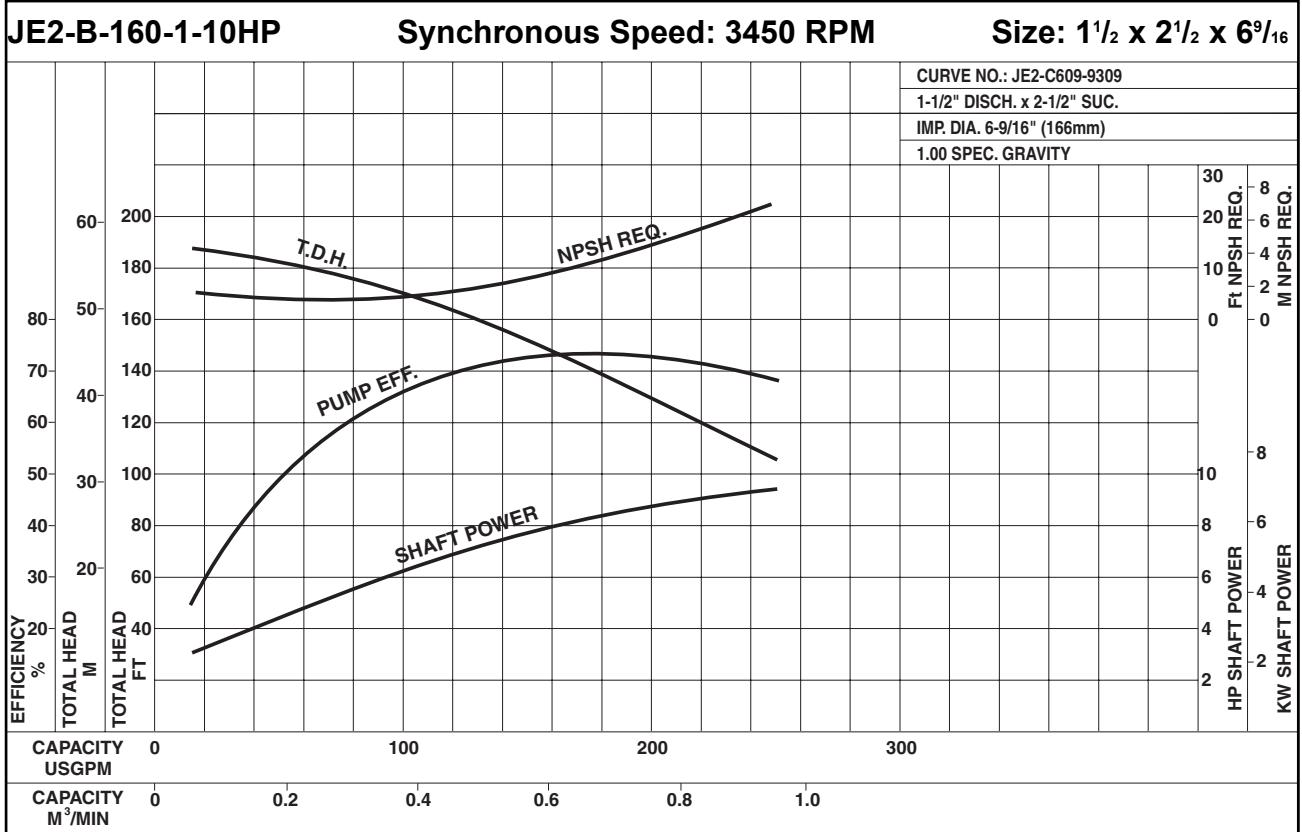


JE2-B-125B-5HP Synchronous Speed: 3450 RPM Size: 1 1/2 x 2 1/2 x 5 1/2

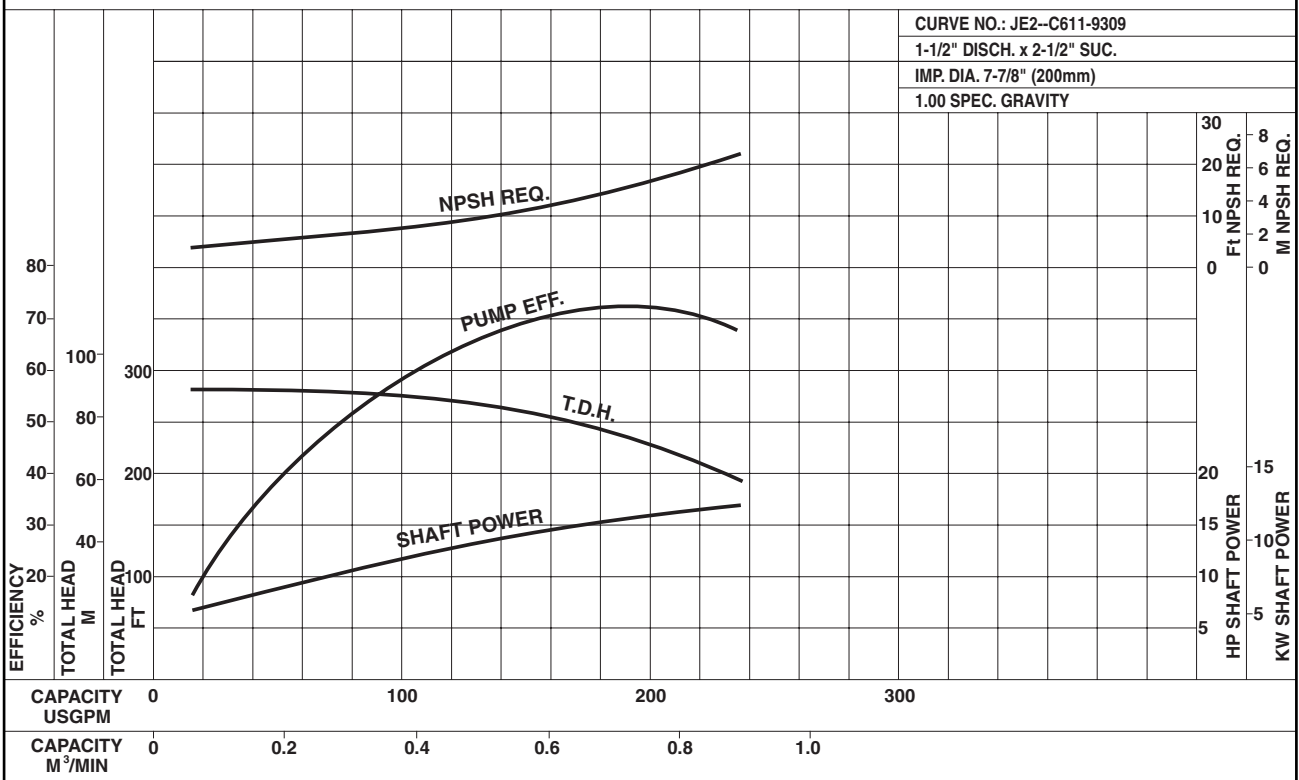


JE2-B-160-7 1/2HP Synchronous Speed: 3450 RPM Size: 1 1/2 x 2 1/2 x 5 15/16

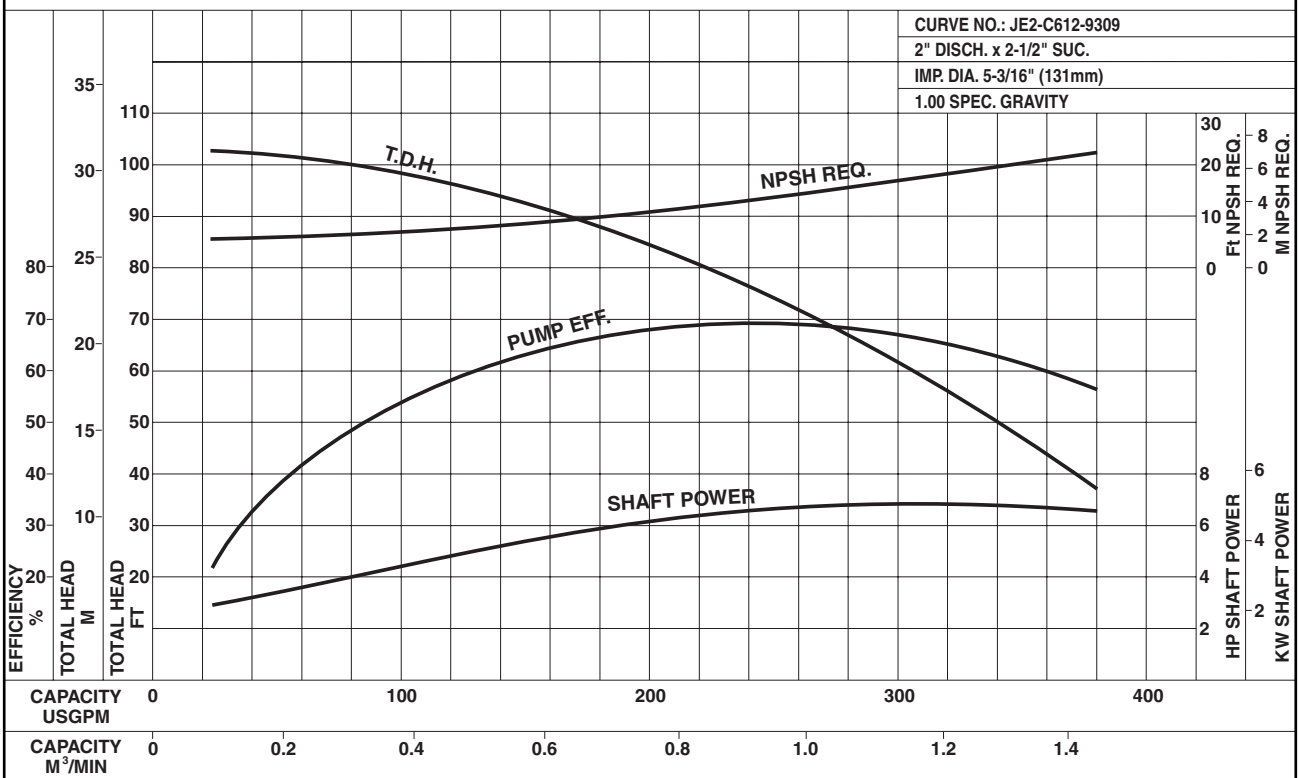


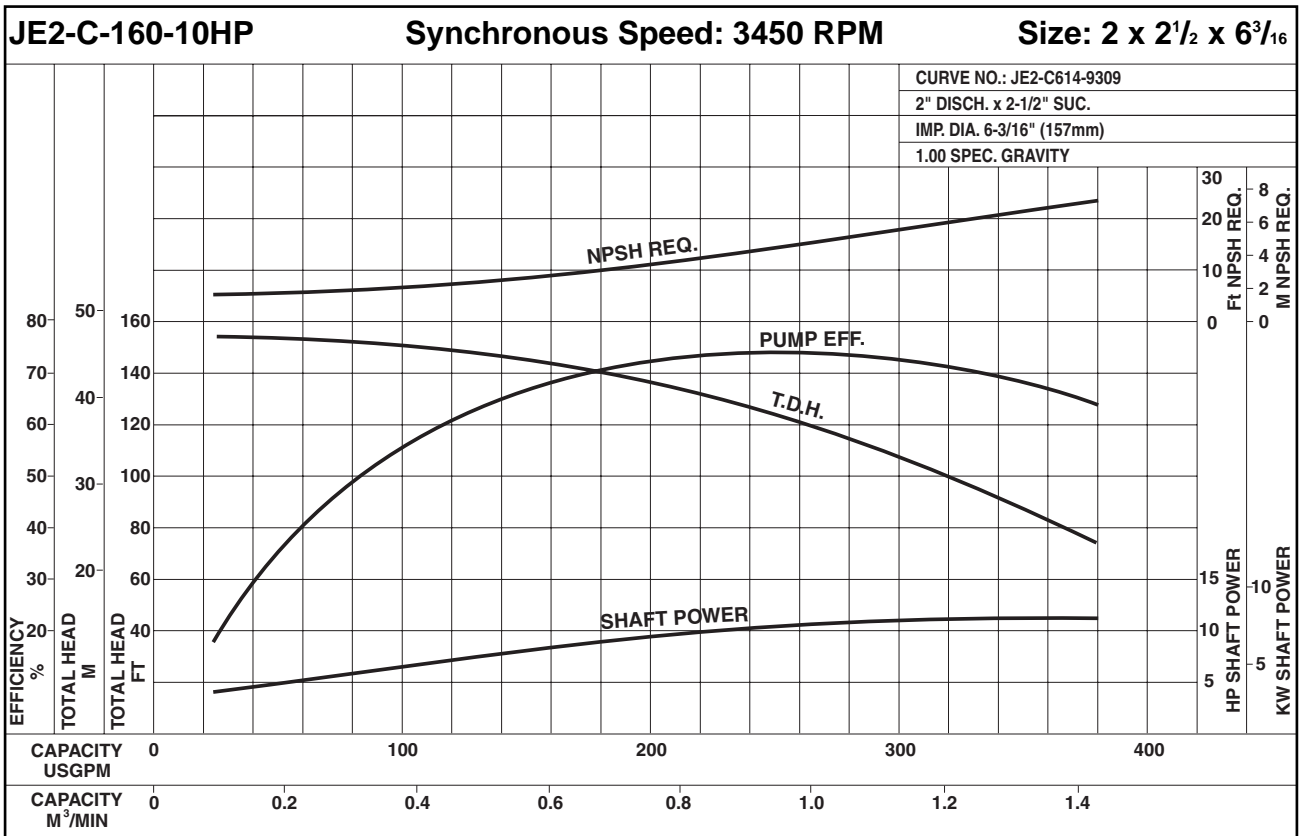
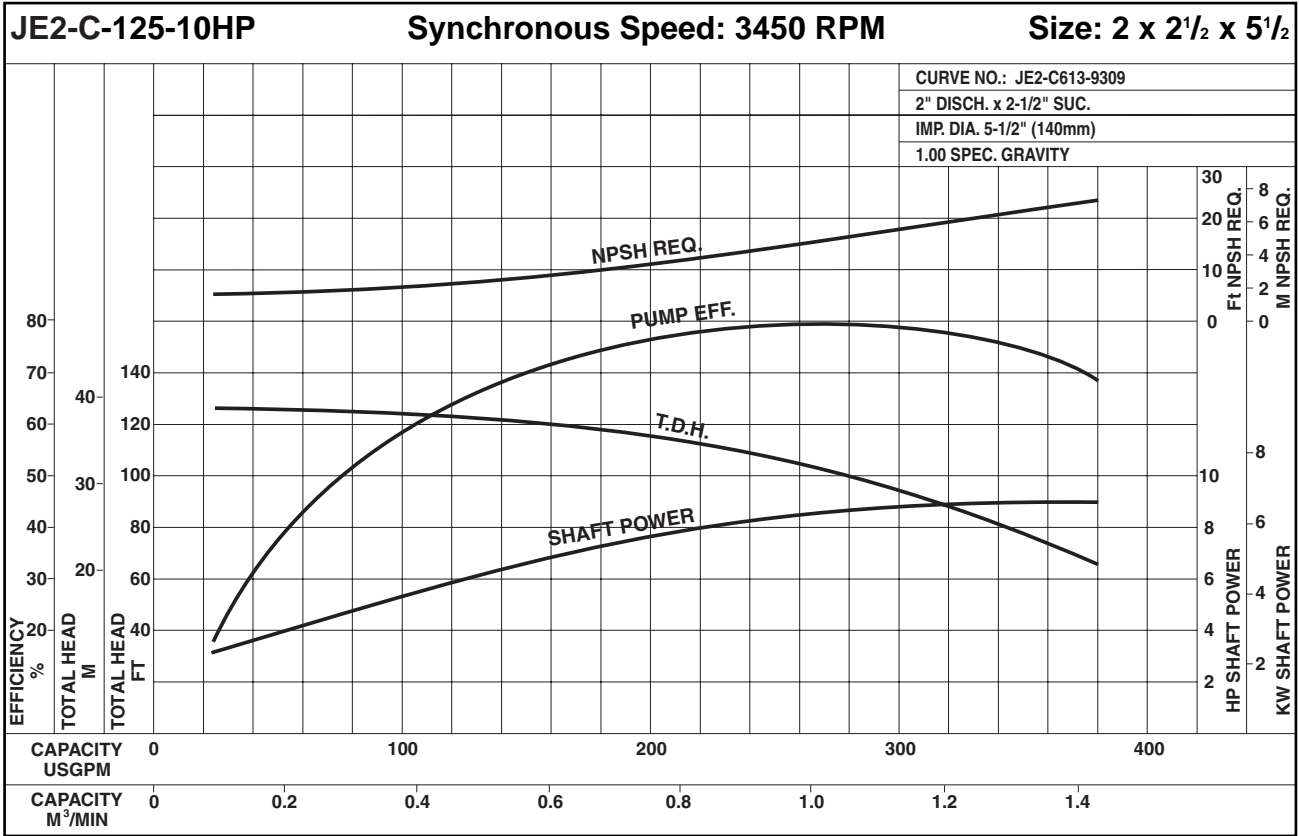


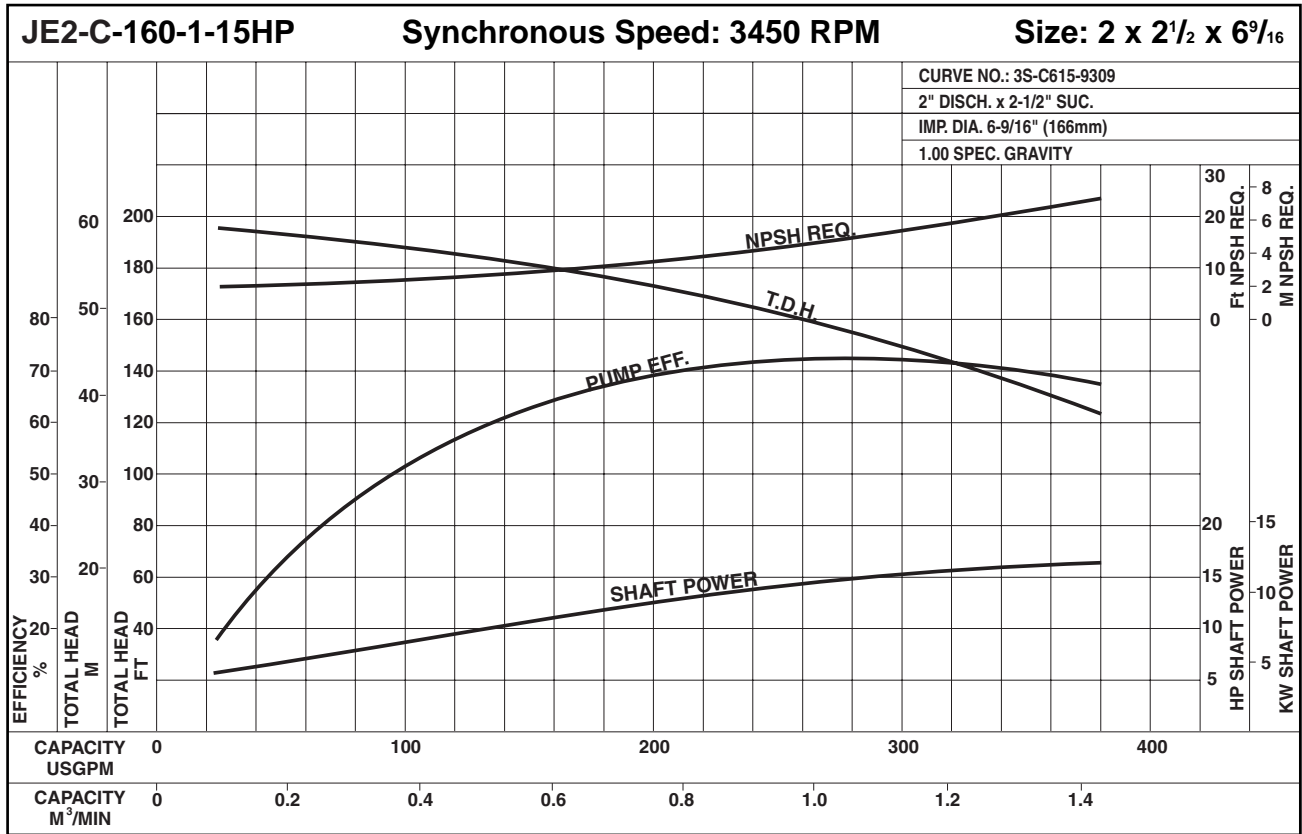
JE2-B-200B-15HP Synchronous Speed: 3450 RPM Size: 1½ x 2½ x 7⅞



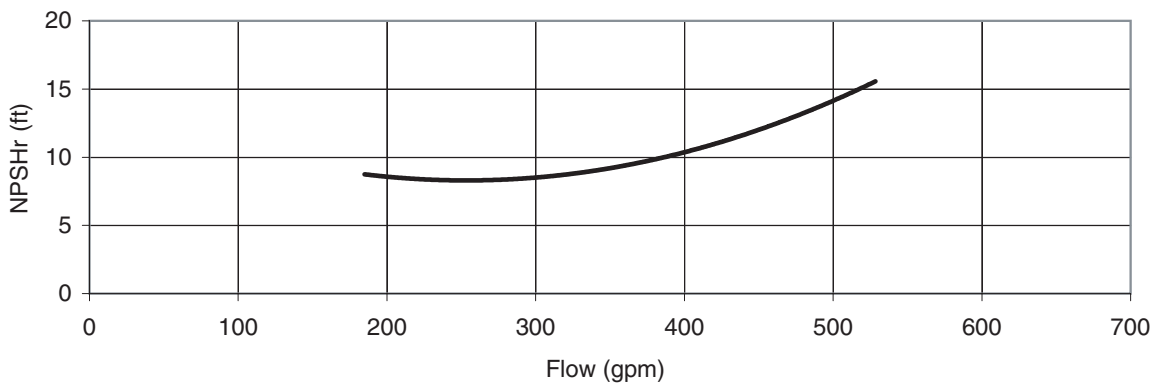
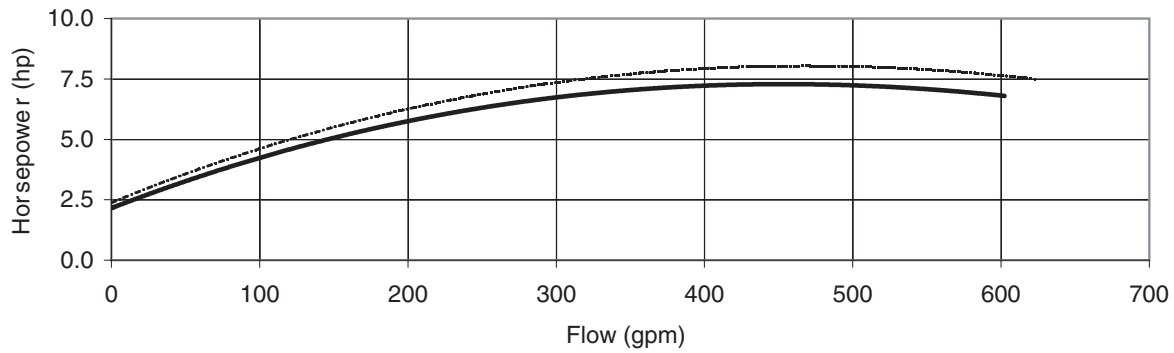
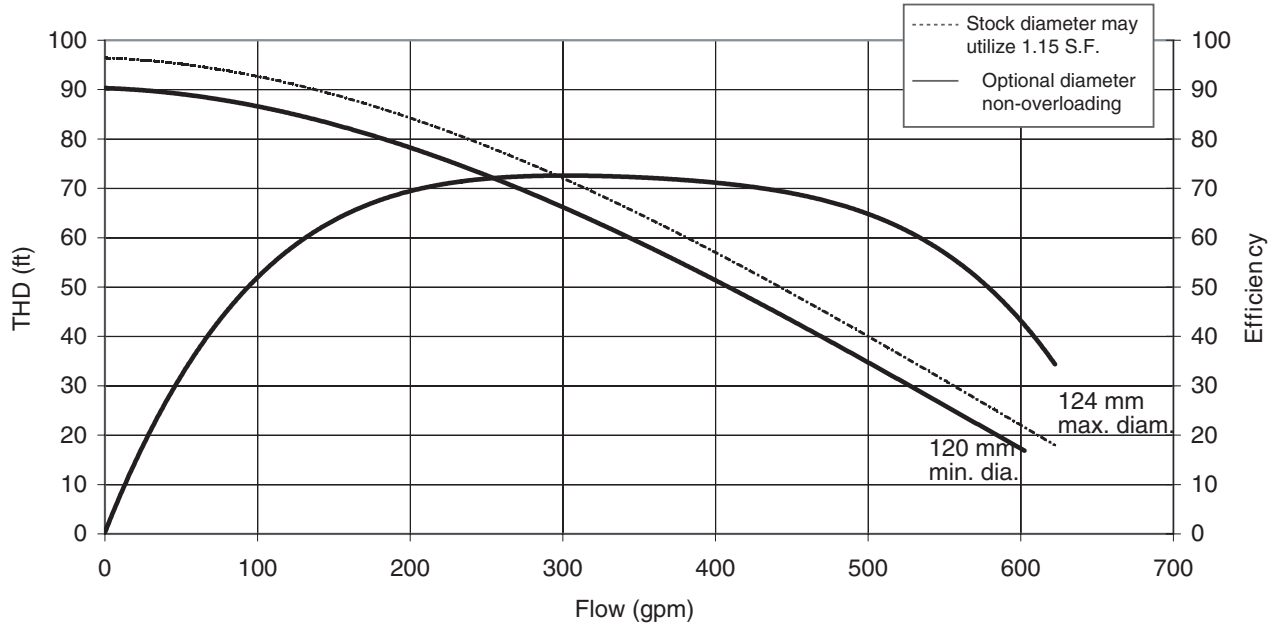
JE2-C-125-7½HP Synchronous Speed: 3450 RPM Size: 2 x 2½ x 5⅜





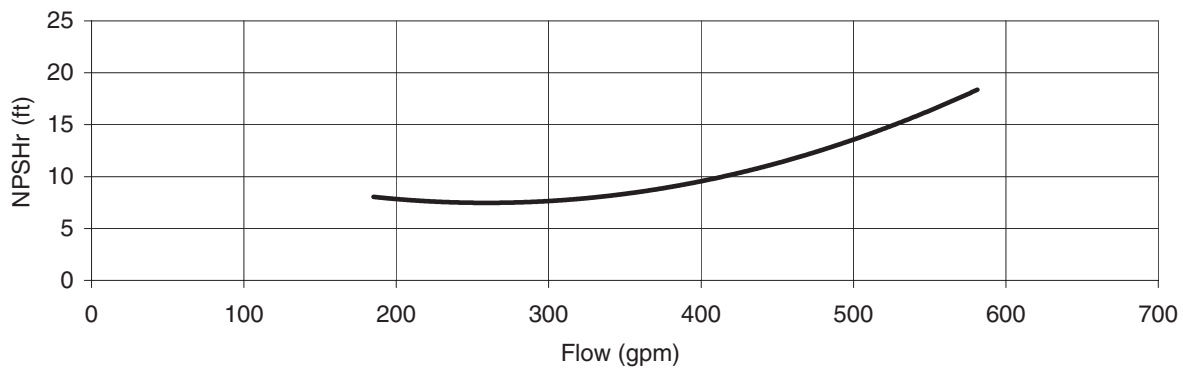
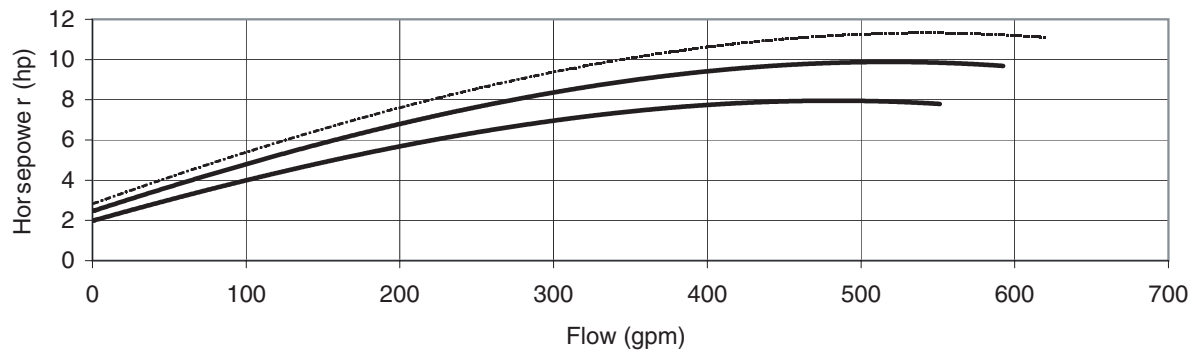
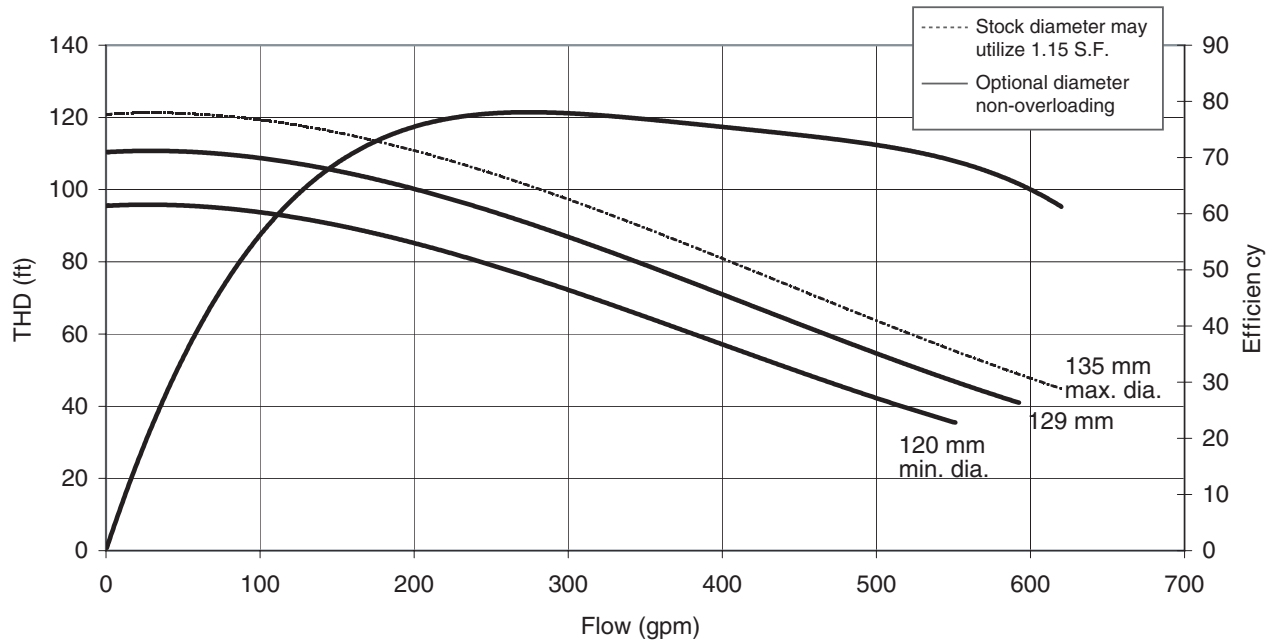


JE2-Z-125-7 / 7.5HP Synchronous Speed: 3450 RPM Size: 2½ x 3 x 4⅞ (124mm)

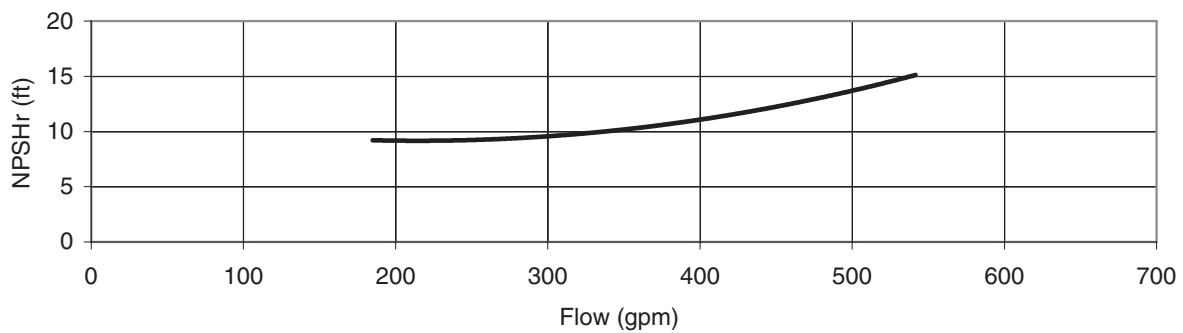
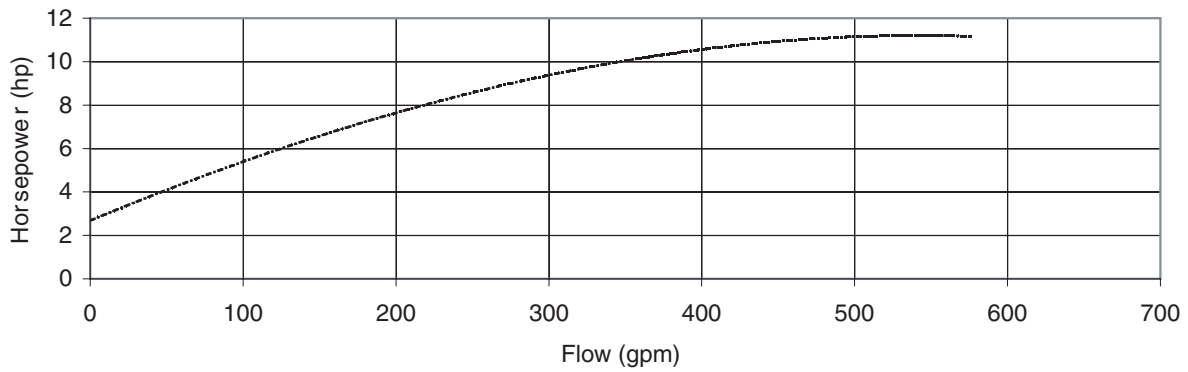
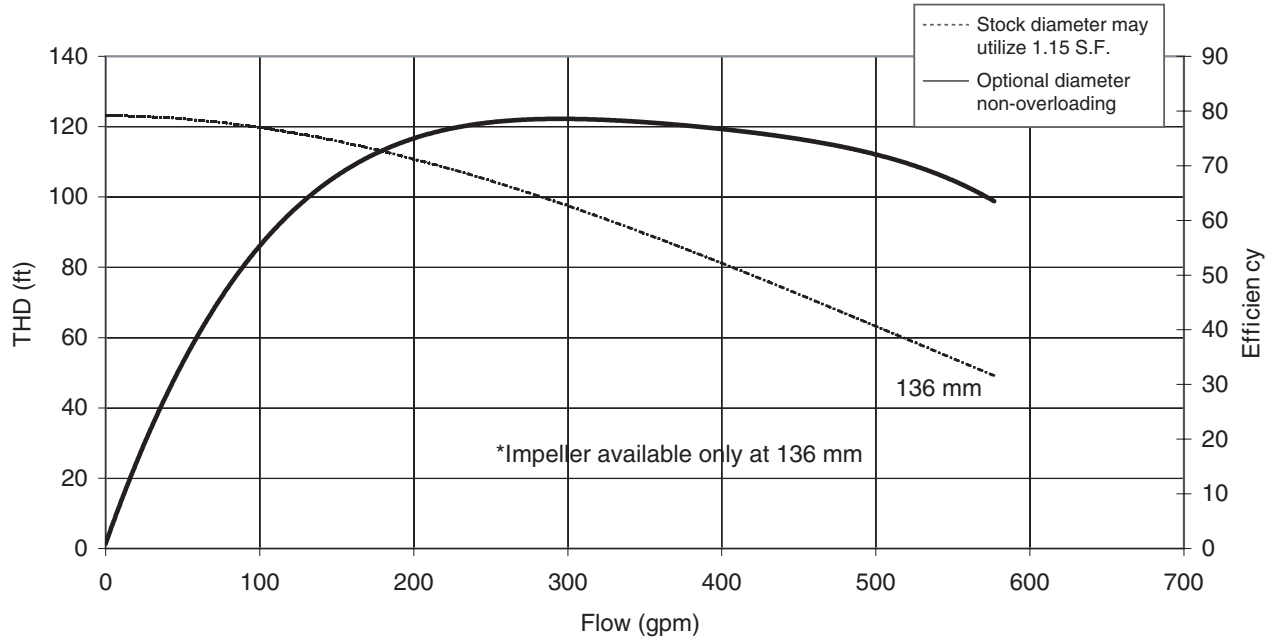


JE2-Z-125-10 / 10HP

Synchronous Speed: 3450 RPM Size: 2½ x 3 x 5⁵/₁₆ (135 mm)



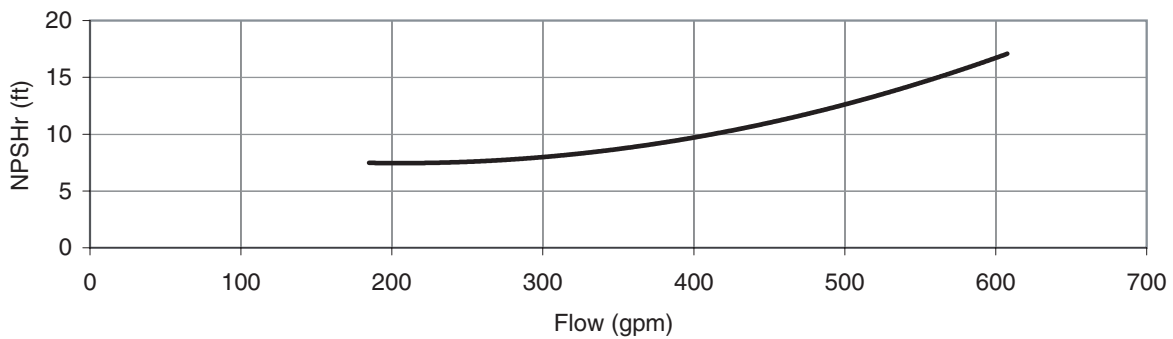
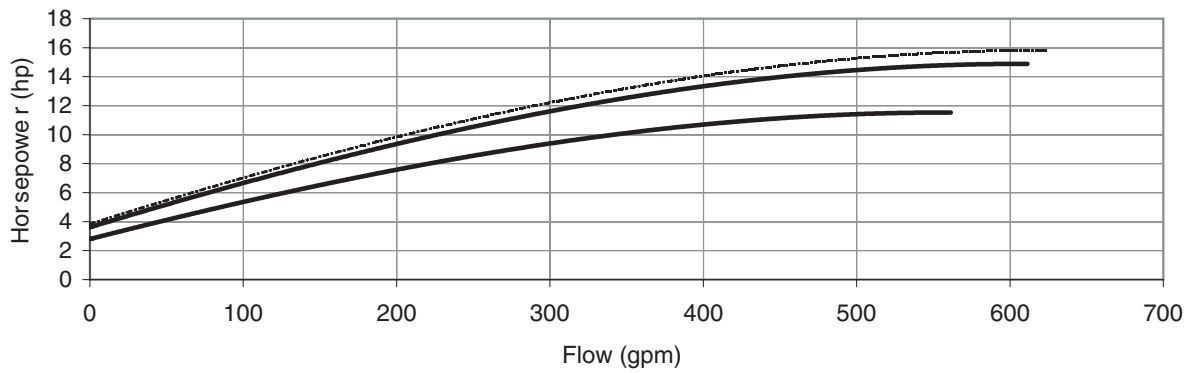
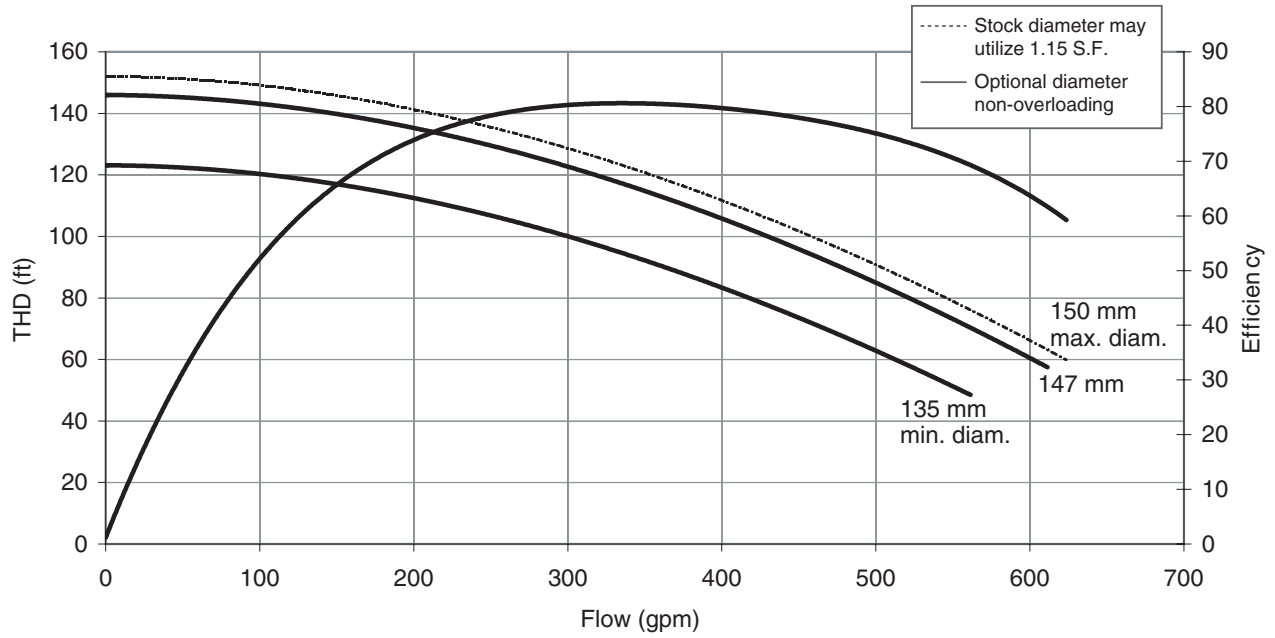
JE2-Z-160-10 / 10HP Synchronous Speed: 3450 RPM Size: 2 1/2 x 3 x 5 3/8 (136mm)



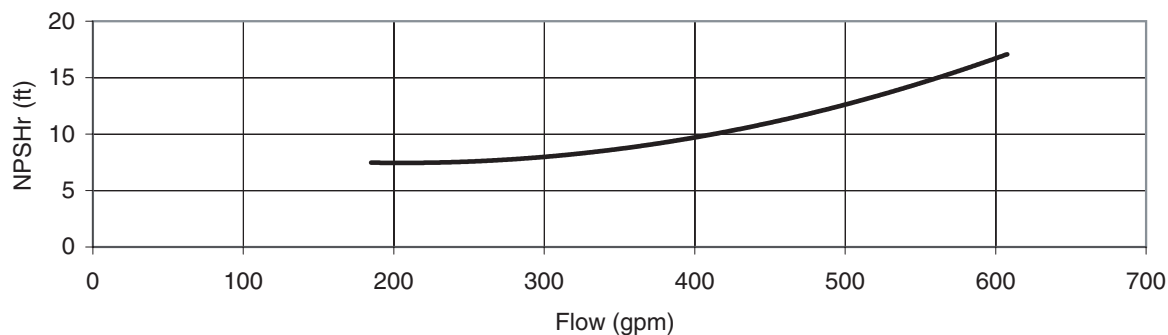
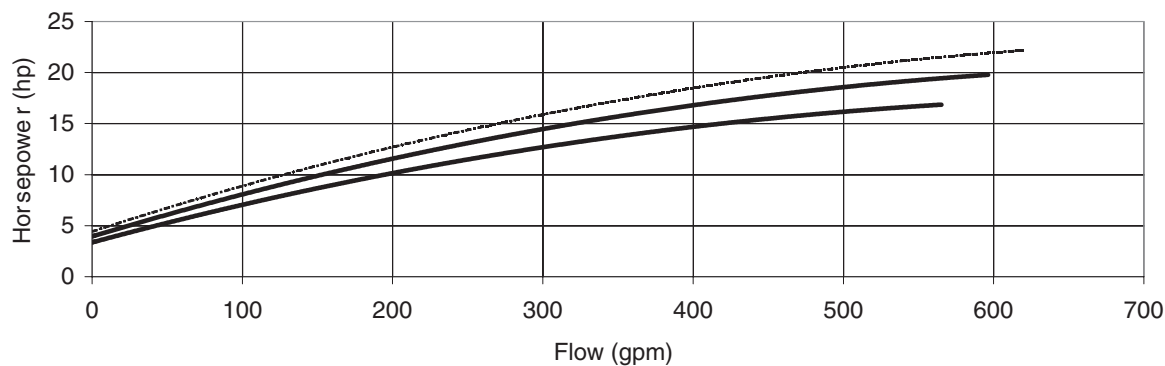
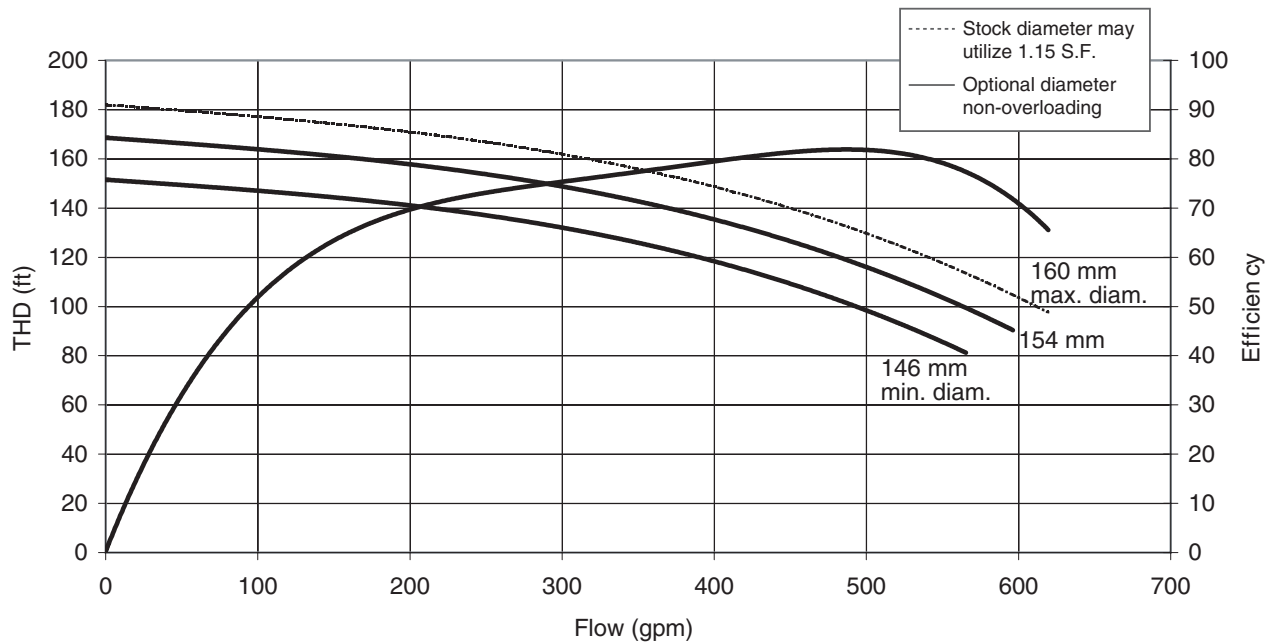
JE2-Z-160-15 / 15HP

Synchronous Speed: 3450 RPM

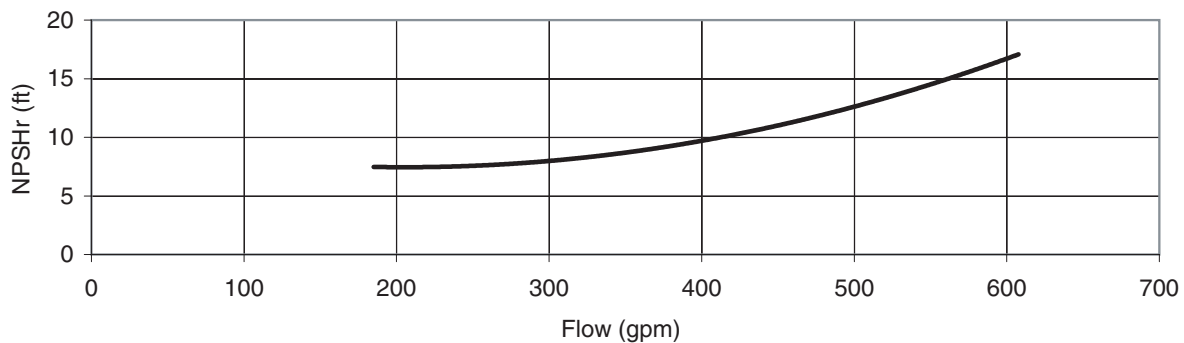
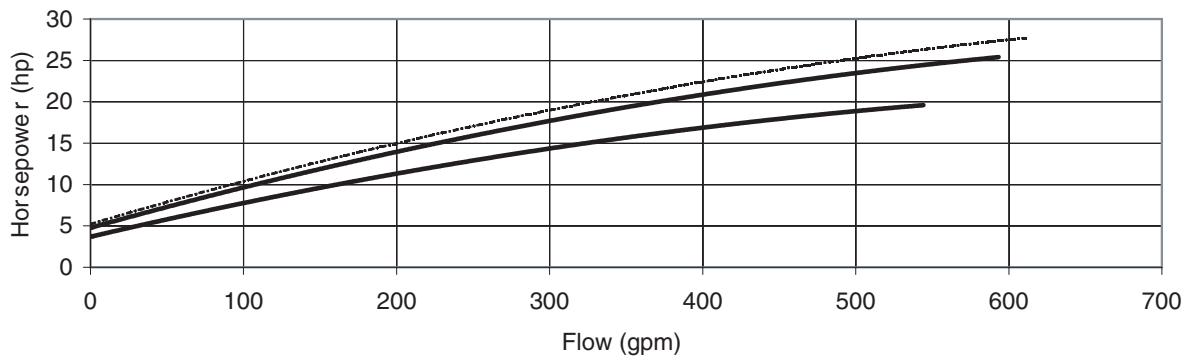
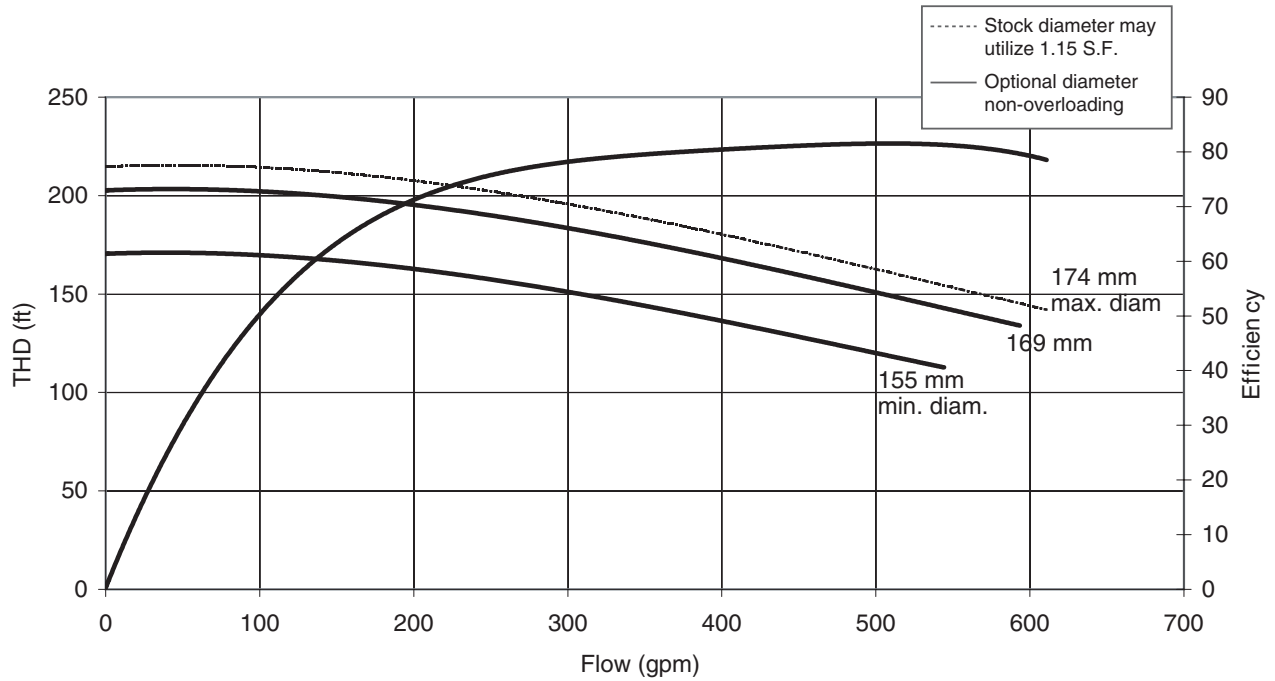
Size: 2 1/2 x 3 x 5 7/8 (150mm)



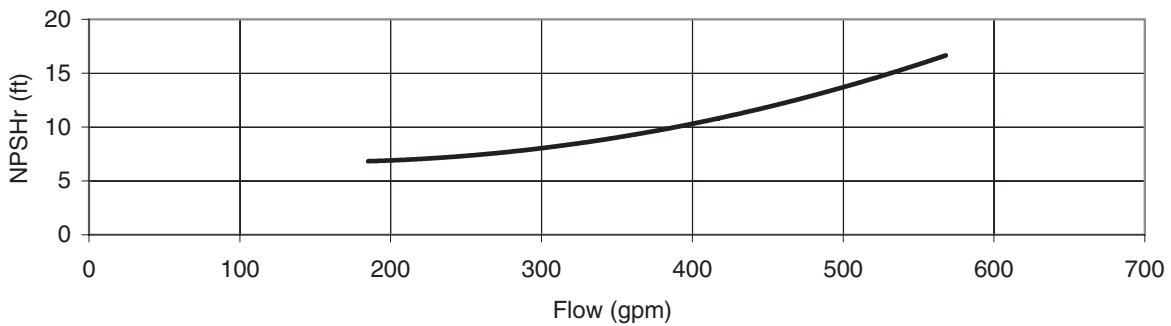
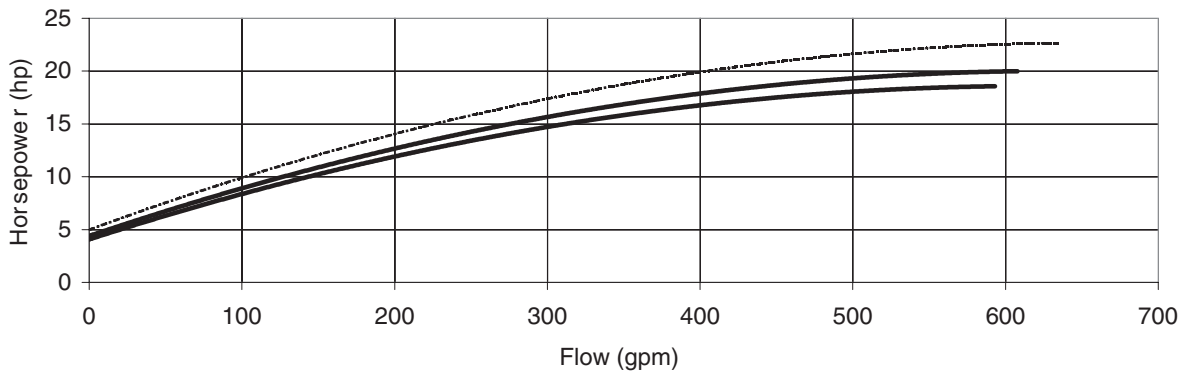
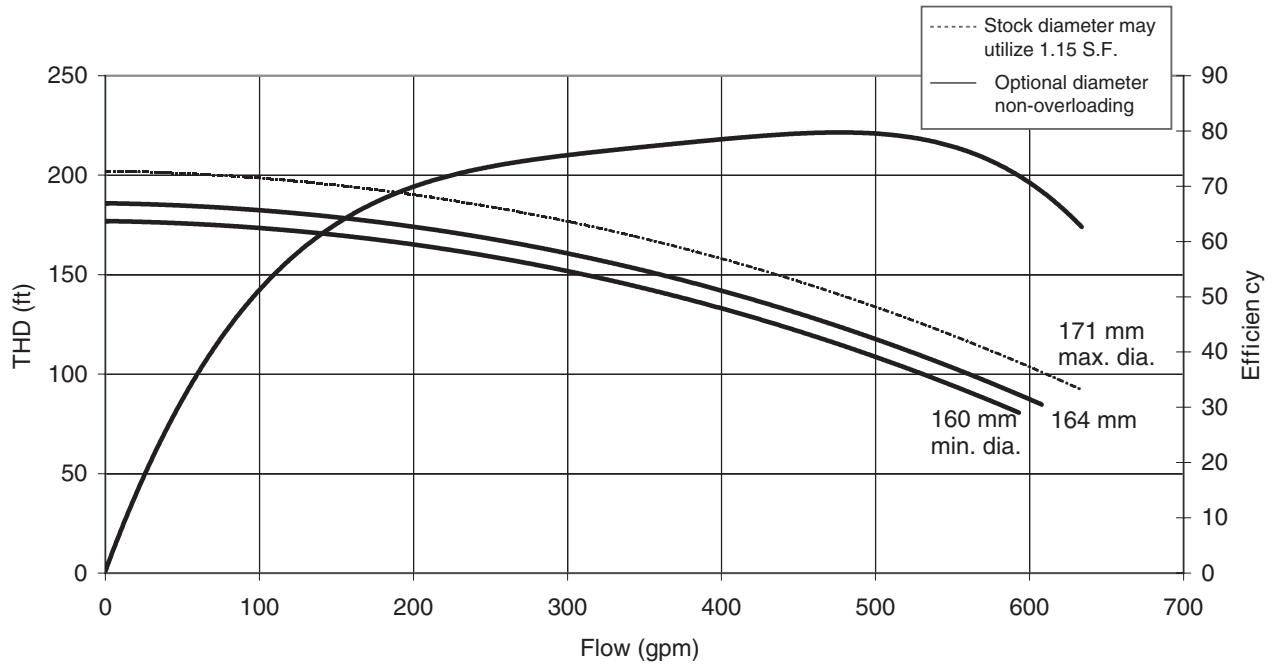
JE2-Z-160-20 / 20HP **Synchronous Speed: 3450 RPM** **Size: 2 1/2 x 3 x 6 5/16 (160mm)**



JE2-Z-160-25 / 25HP **Synchronous Speed: 3450 RPM** **Size: 2 1/2 x 3 x 6 7/8 (174mm)**



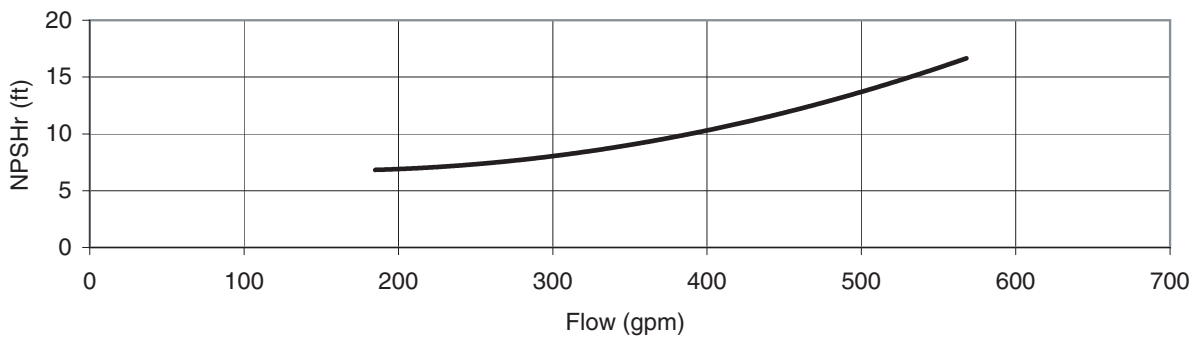
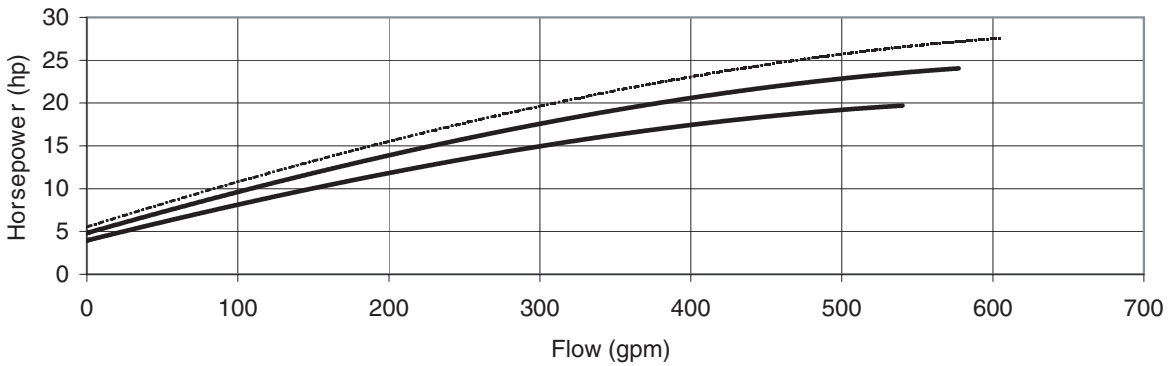
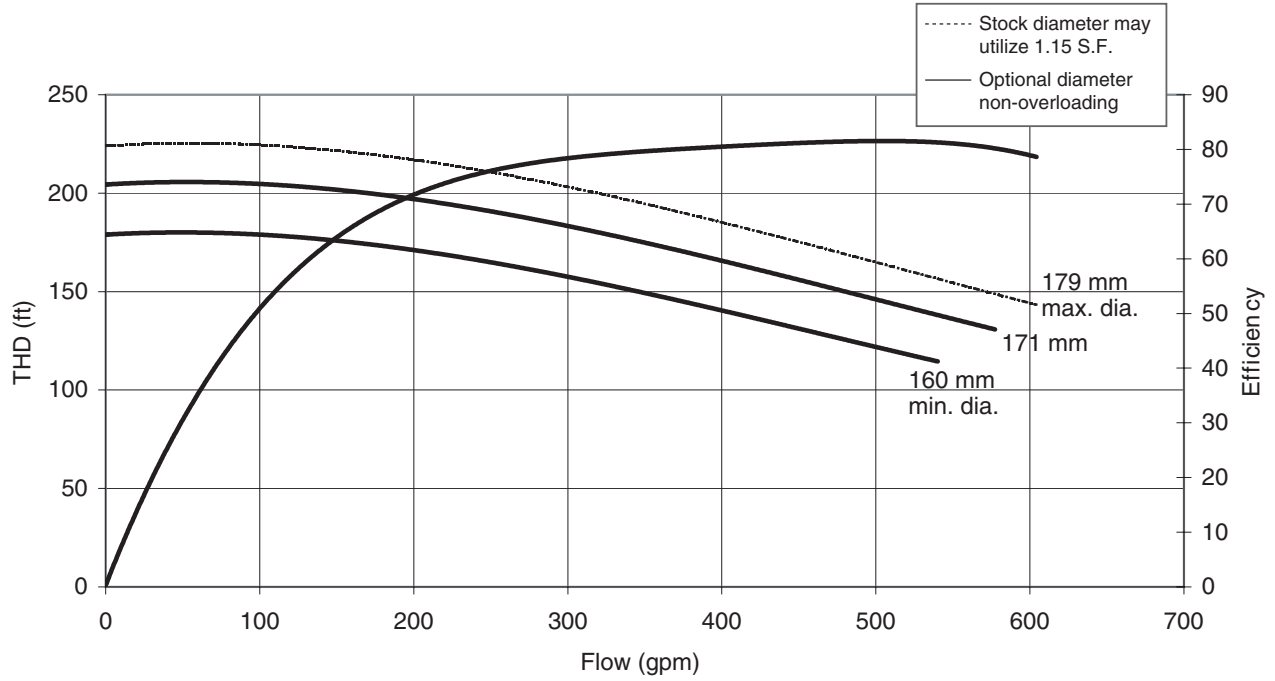
JE2-Z-200-20 / 20HP **Synchronous Speed: 3450 RPM** **Size: 2½ x 3 x 6¾ (171mm)**



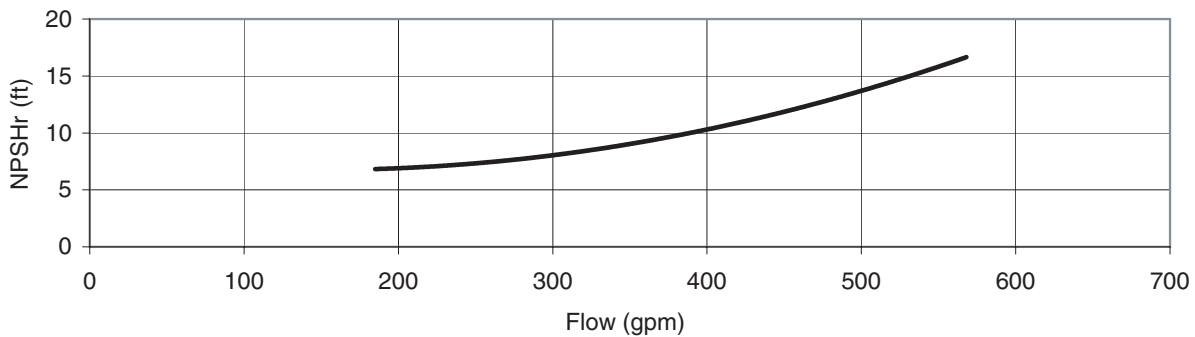
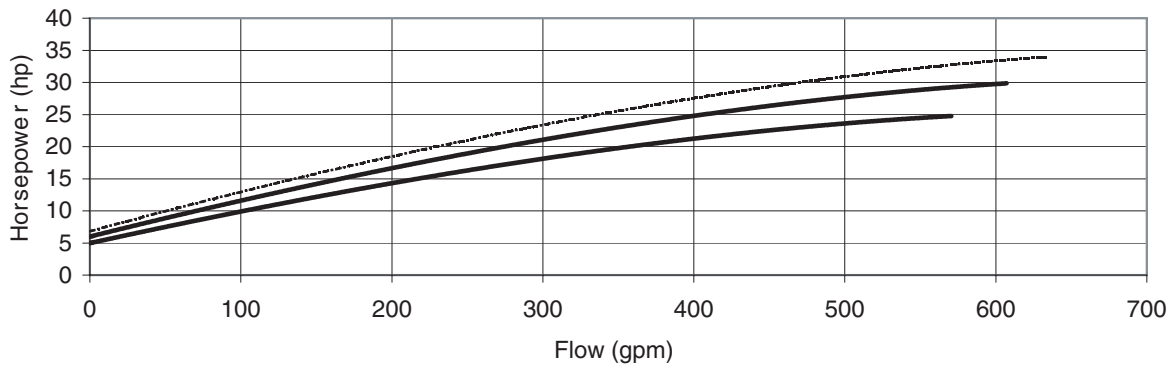
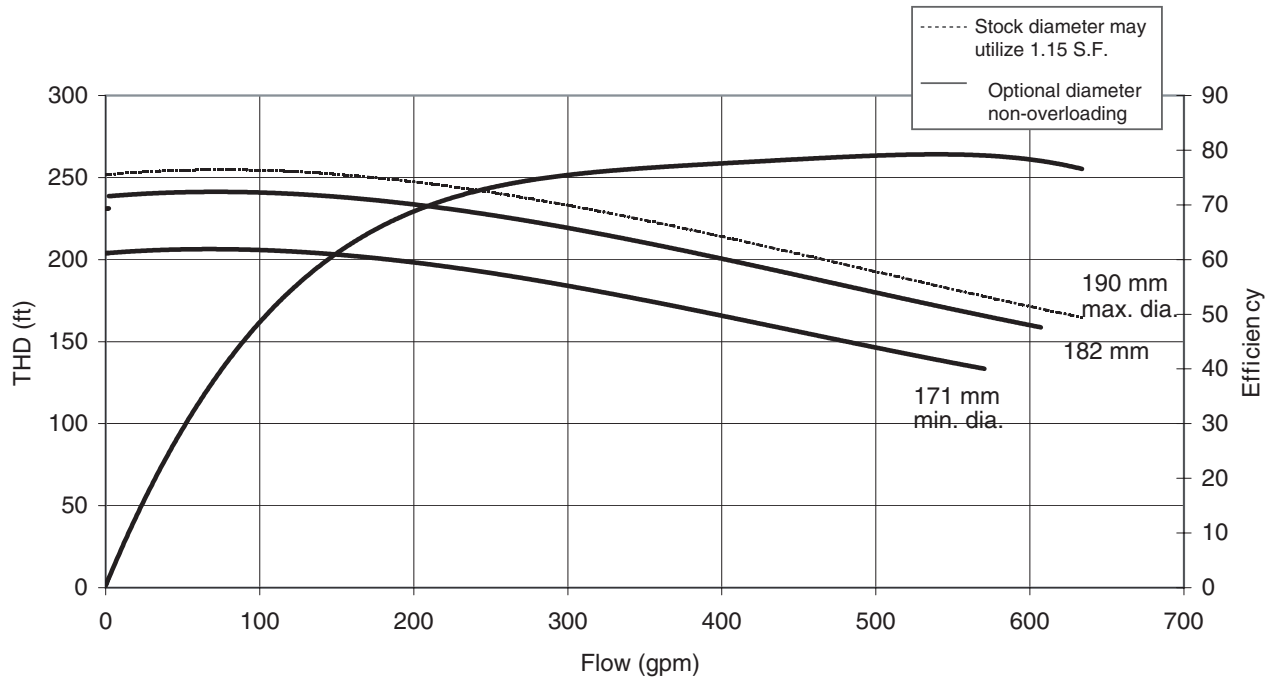
JE2-Z-200-25 / 25HP

Synchronous Speed: 3450 RPM

Size: 2½ x 3 x 7 (179mm)

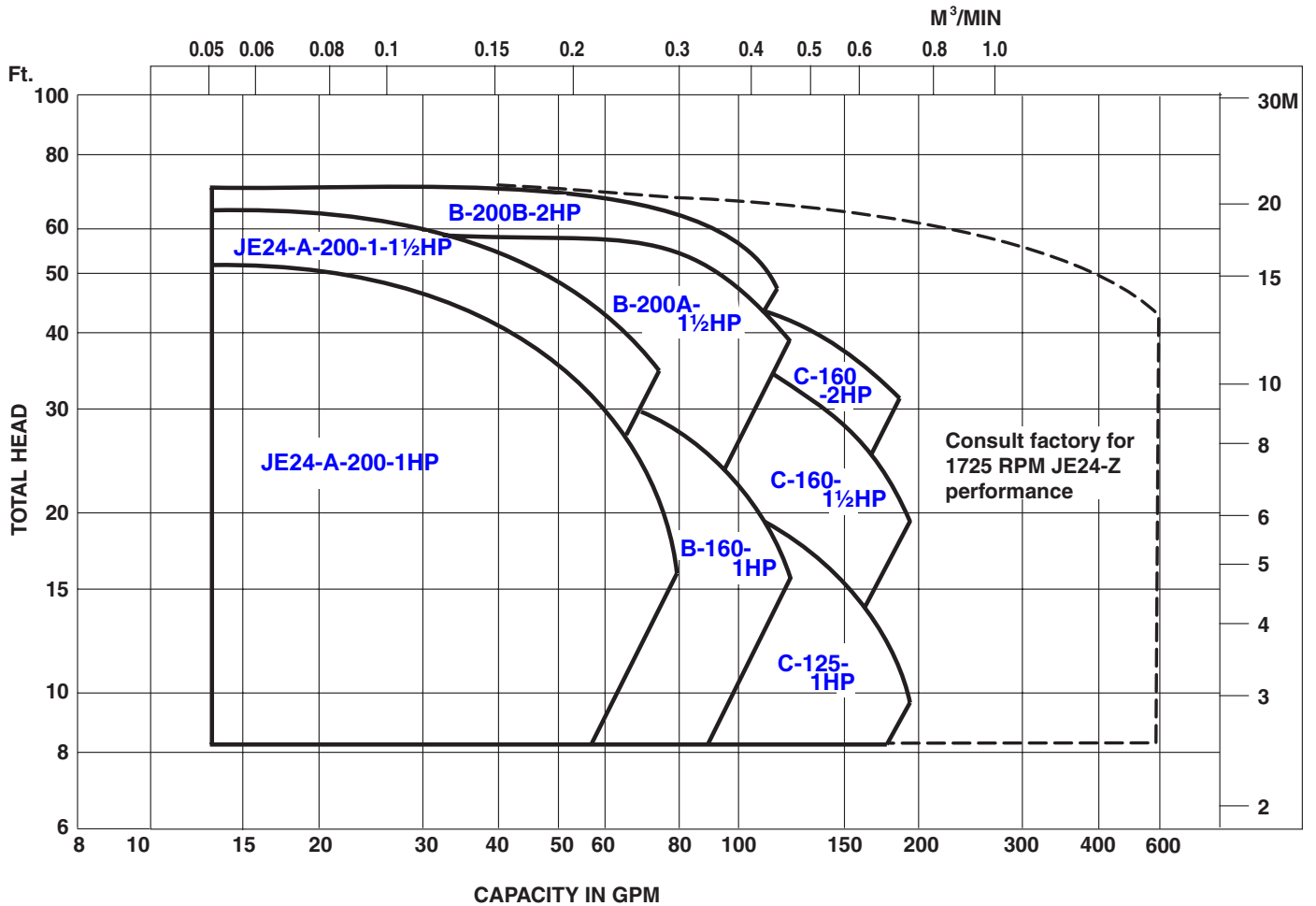


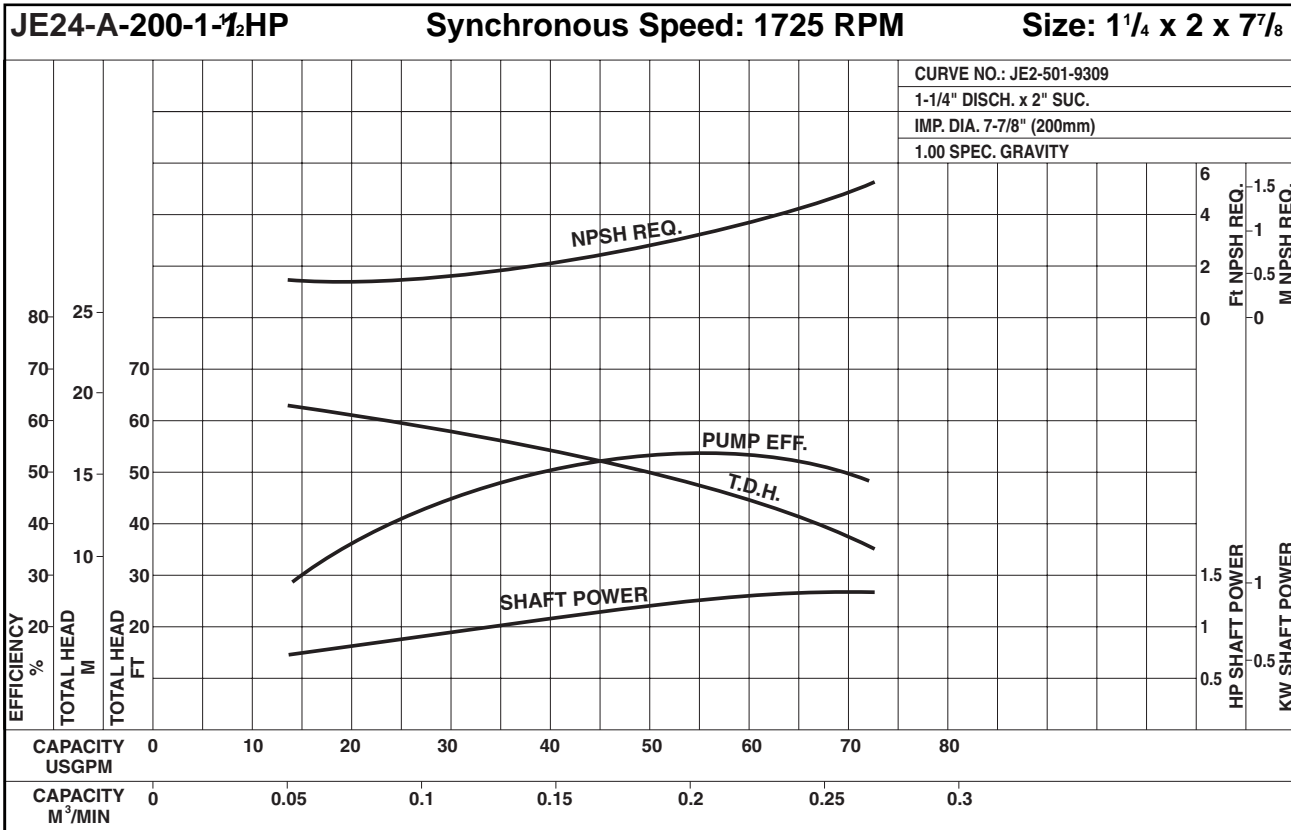
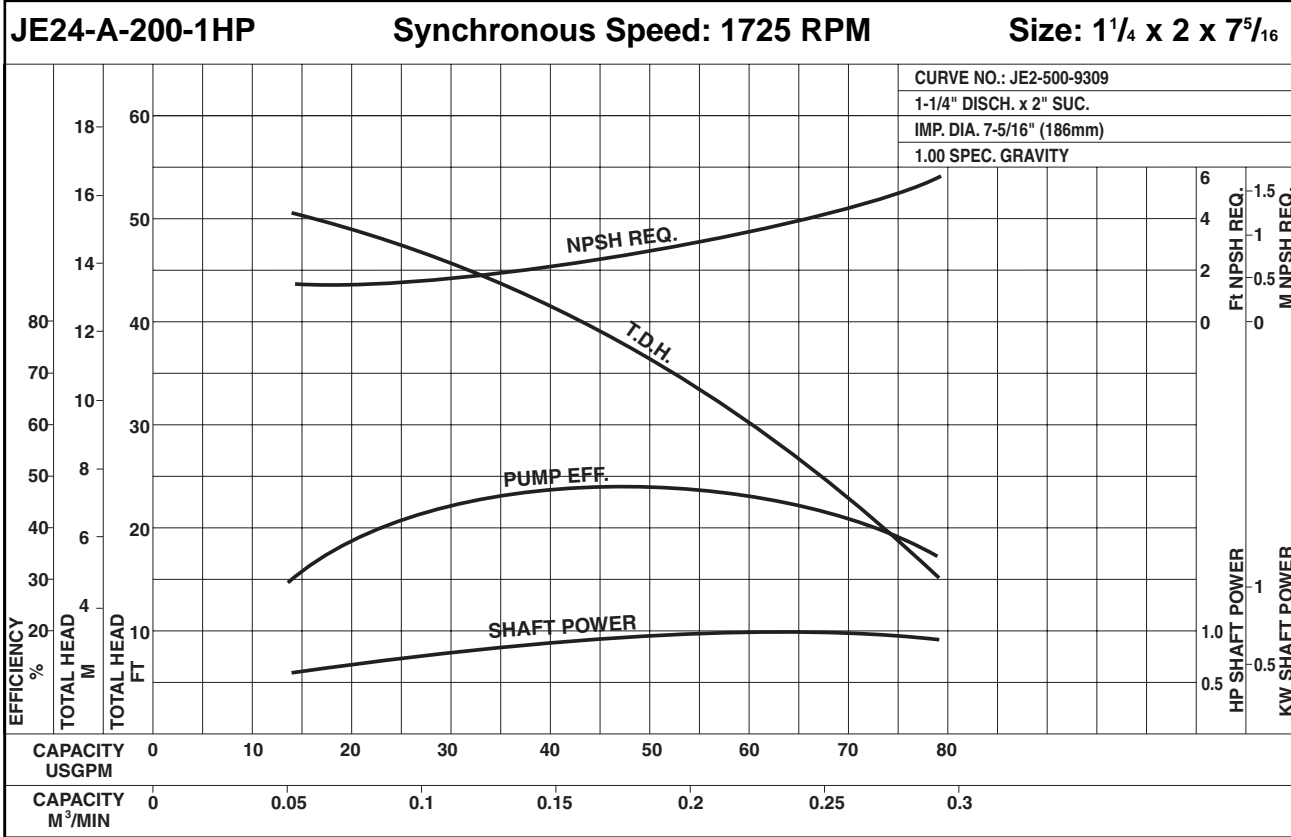
JE2-Z-200-30 / 30HP Synchronous Speed: 3450 RPM Size: 2 1/2 x 3 x 7 1/2 (190mm)



Model JE24

Synchronous Speed 1725 RPM

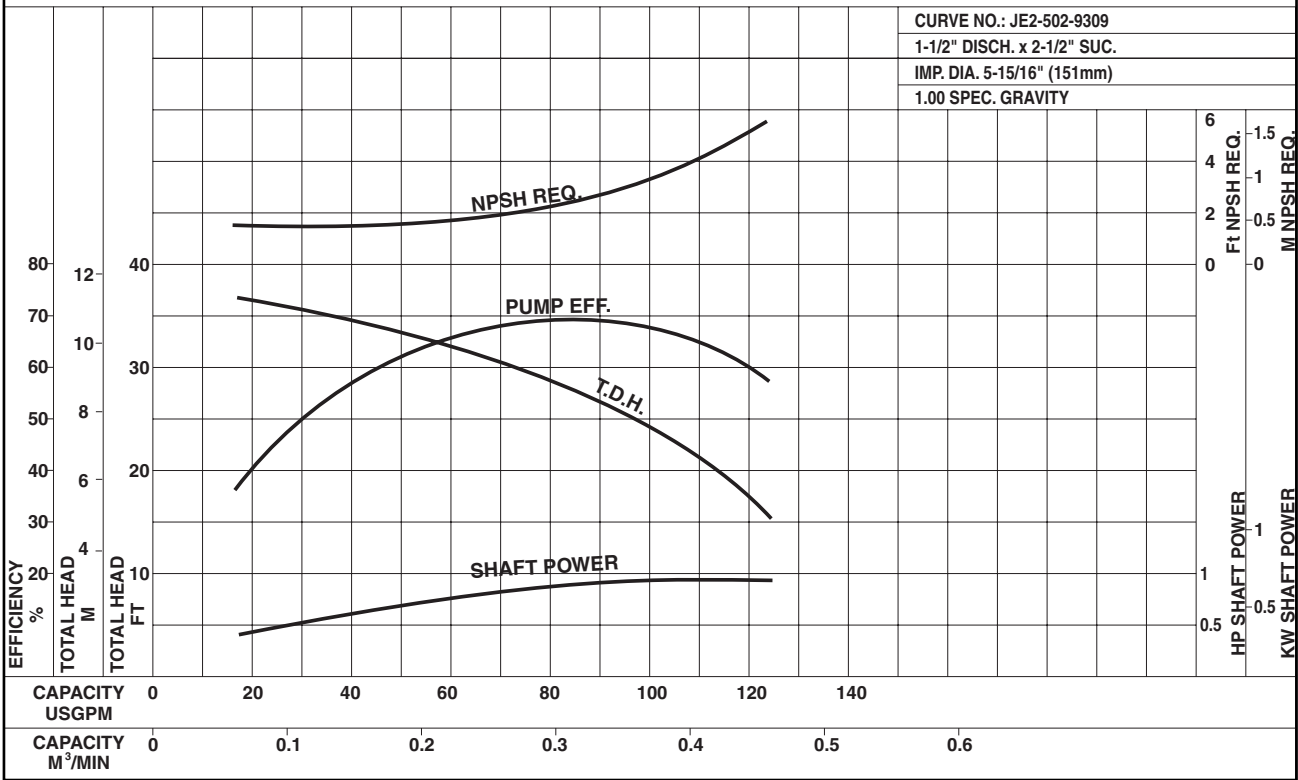




JE24-B-160-1HP

Synchronous Speed: 1725 RPM

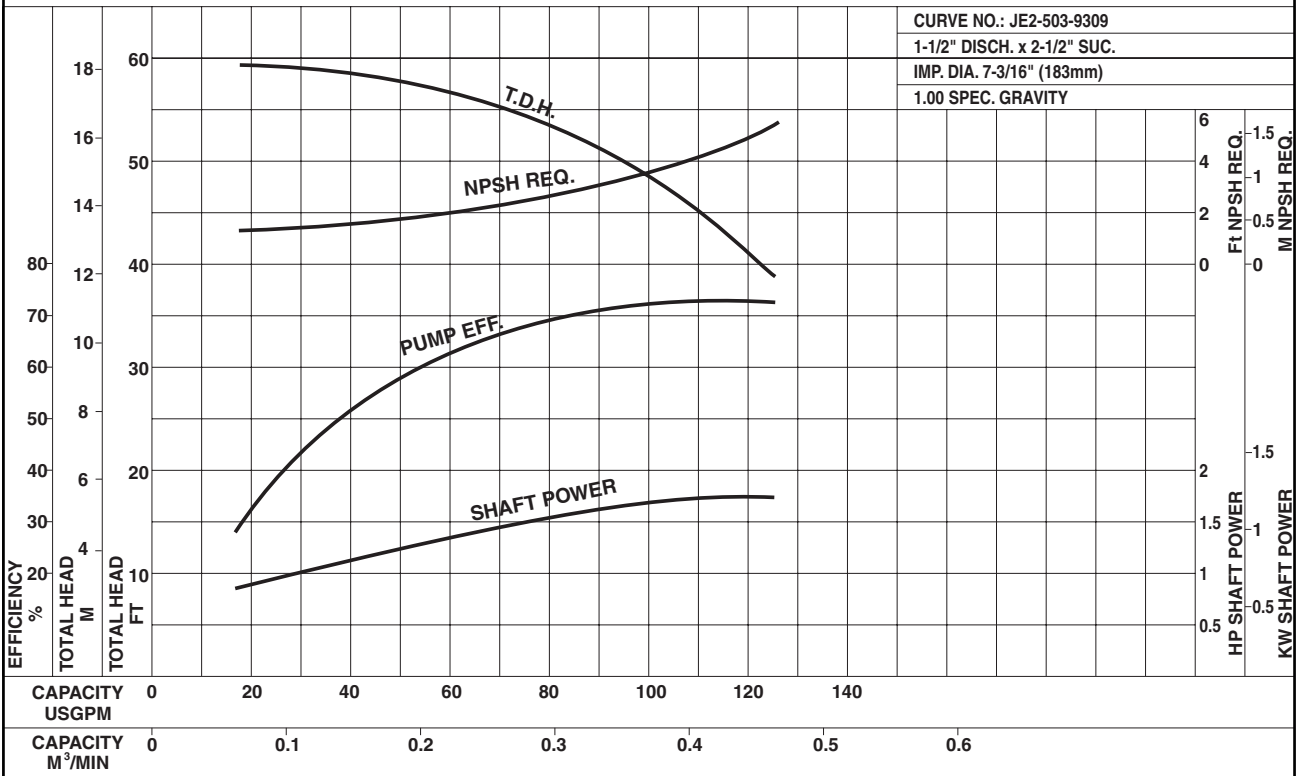
Size: 1 1/2 x 2 1/2 x 5 15/16



JE24-B-200A-1 1/2HP

Synchronous Speed: 1725 RPM

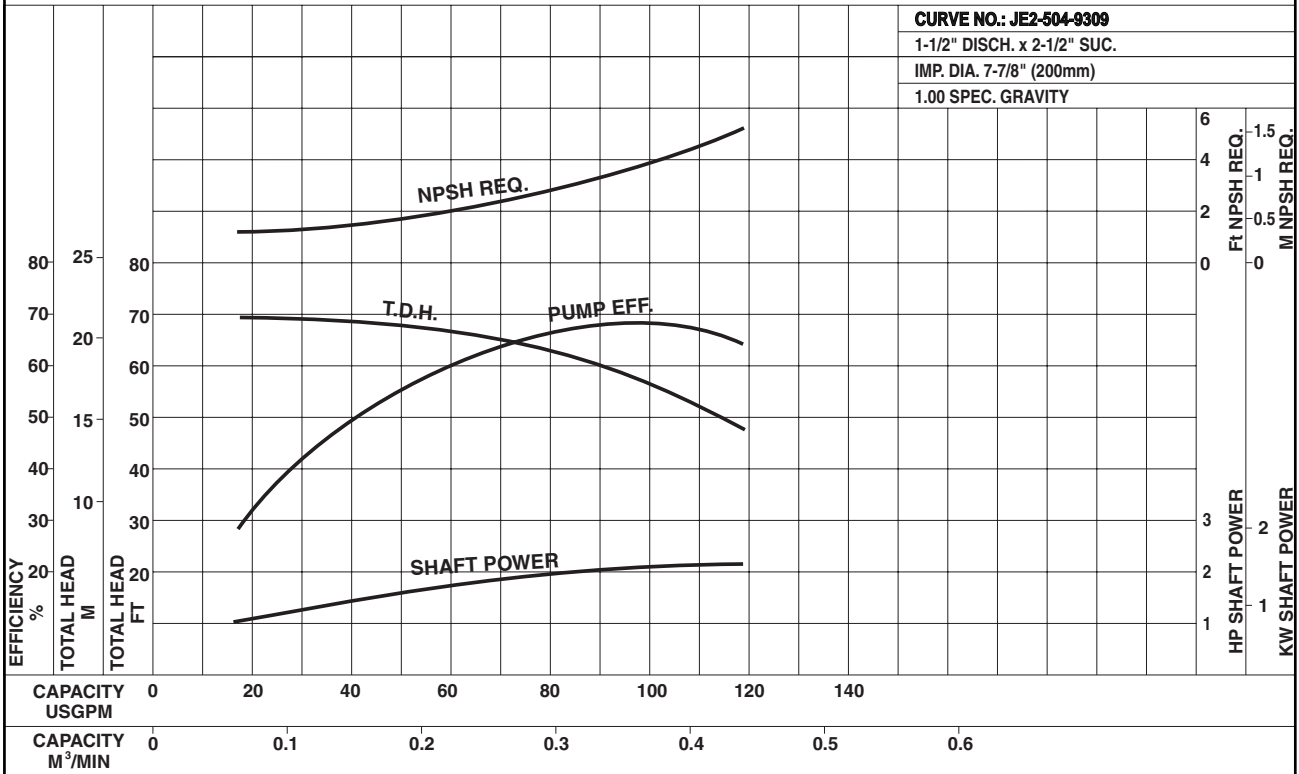
Size: 1 1/2 x 2 1/2 x 7 3/16



JE24-B-200B-2HP

Synchronous Speed: 1725 RPM

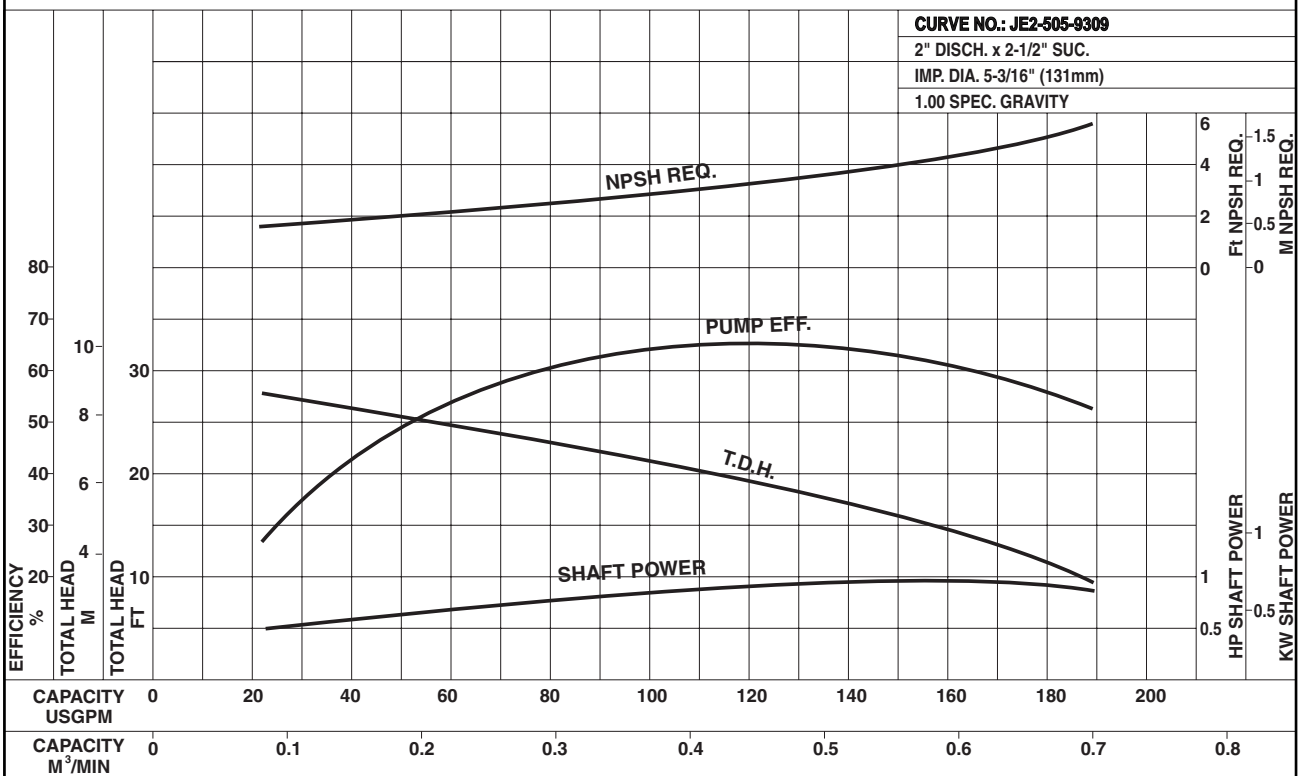
Size: 1½ x 2½ x 7⅞

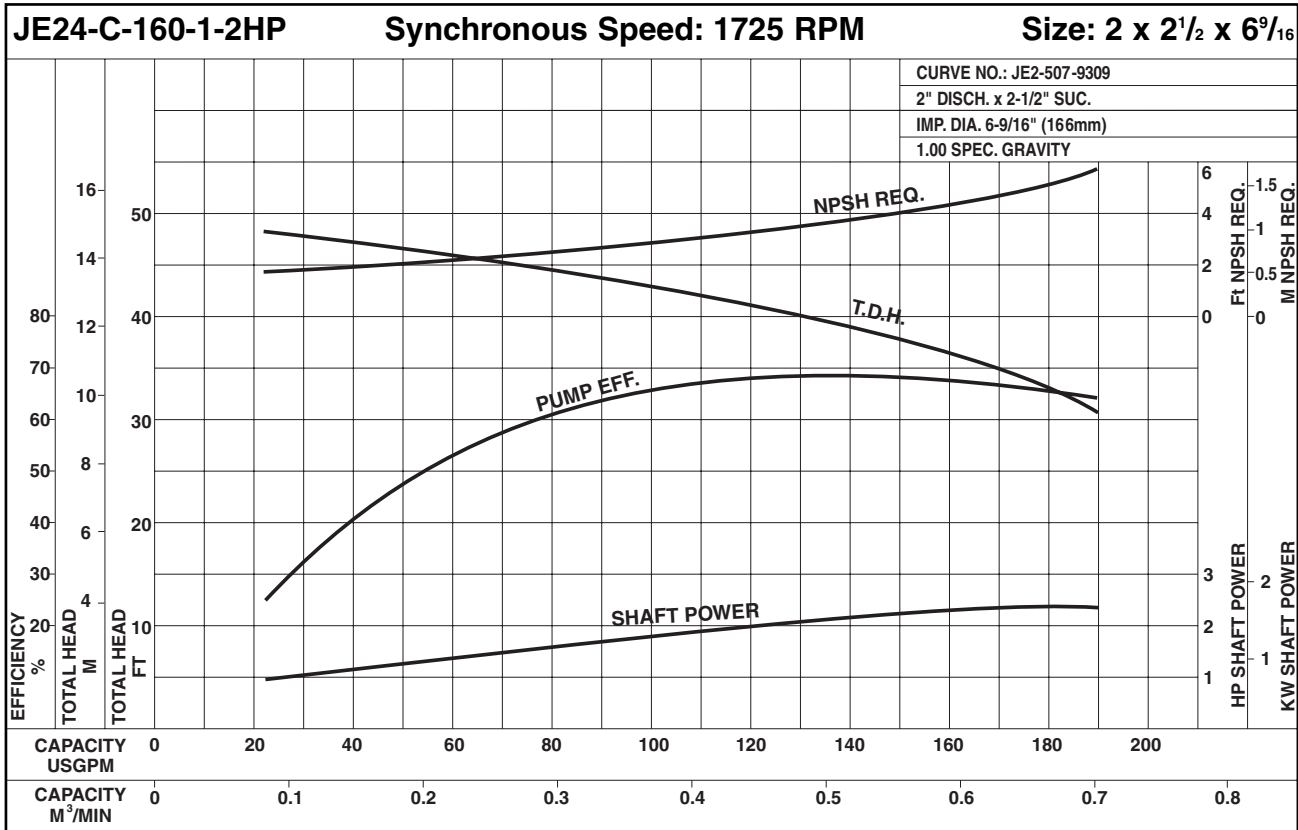
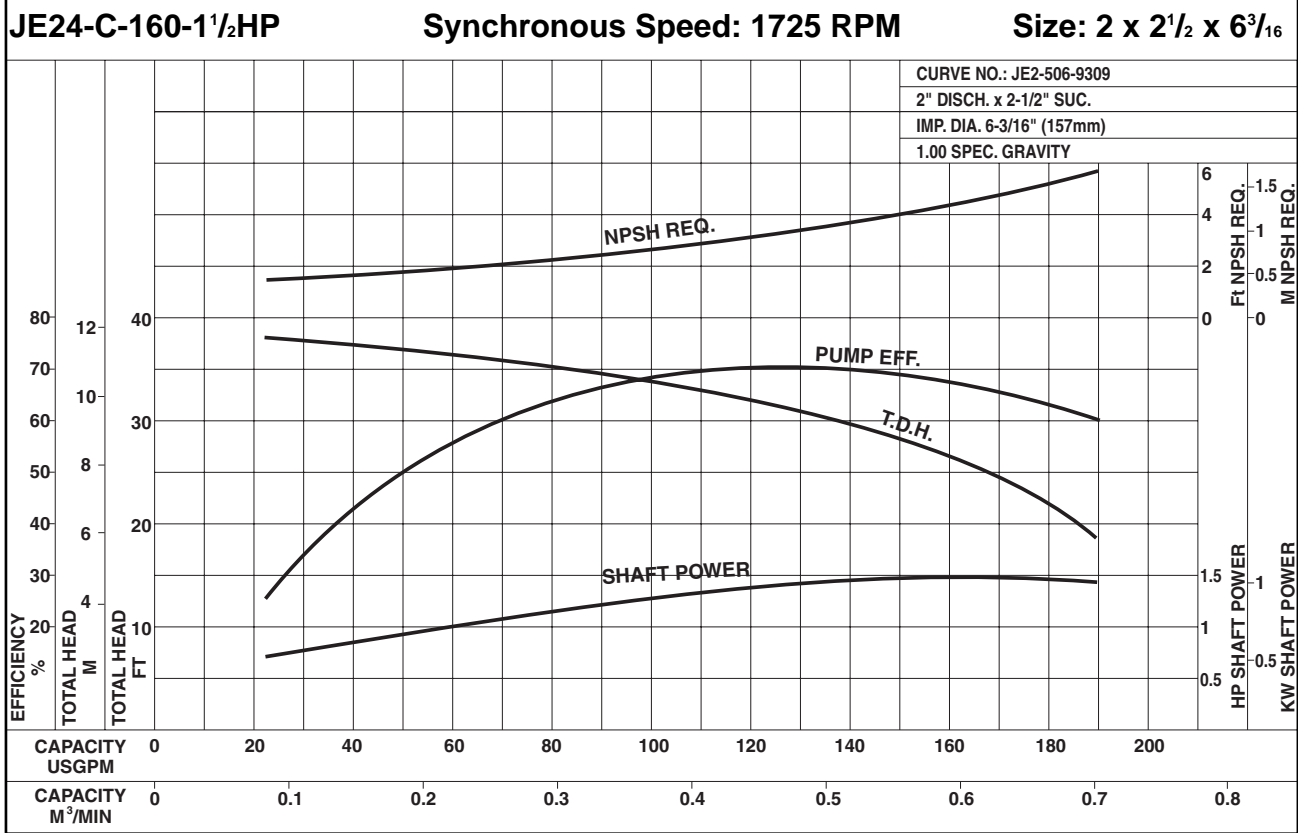


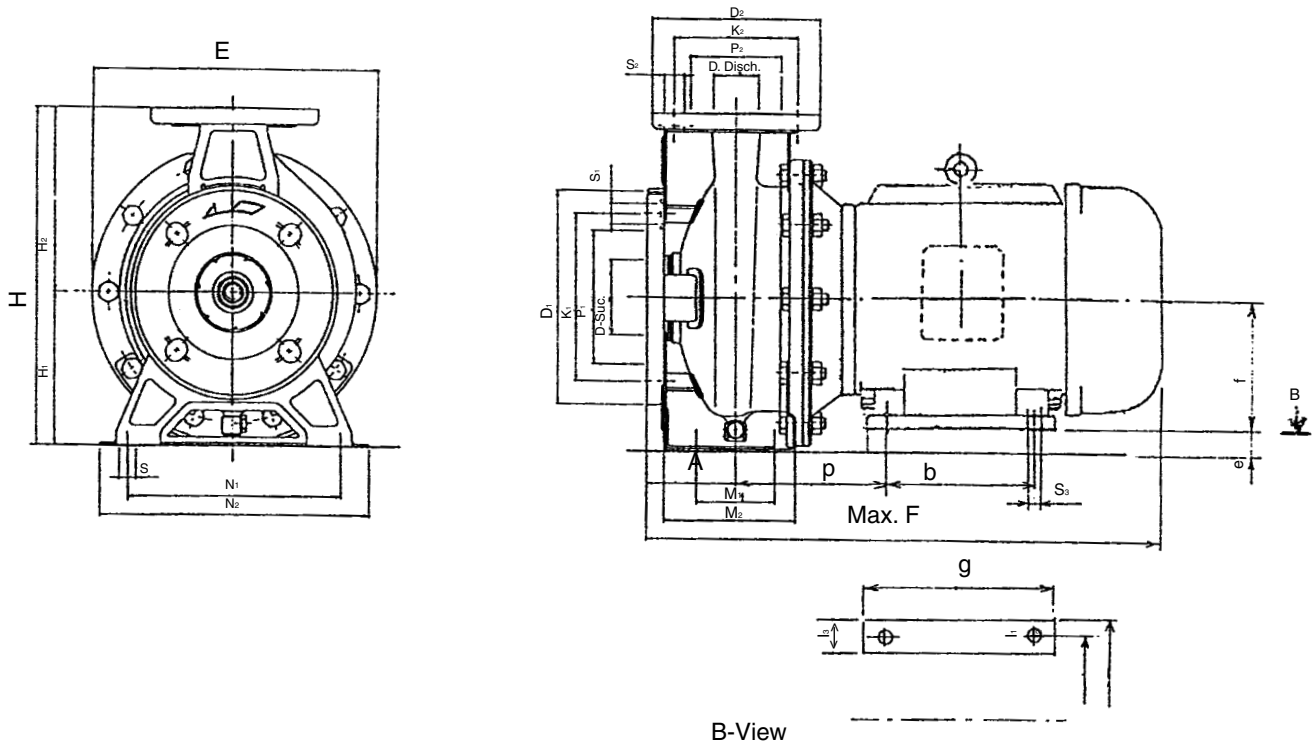
JE24-C-125-1HP

Synchronous Speed: 1725 RPM

Size: 2 x 2½ x 5⅜







B-View

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
A-125-3HP	1 1/4 x 2 x 5 3/16	2	3 3/4	4 15/16	6 1/2	1 1/16	1 1/4	2 1/2	3 1/2	5 1/2	5/8	3 1/8	8 3/8	9 15/16	4 7/16	5 1/2	2 3/4	4 1/2	5 1/2	7 1/2	9/16
A-160A-5HP	1 1/4 x 2 x 5 15/16	2	3 3/4	4 15/16	6 1/2	1 1/16	1 1/4	2 1/2	3 1/2	5 1/2	5/8	3 1/8	10	11 1/2	5 3/16	6 5/16	2 3/4	4 5/8	7 1/2	9 7/16	9/16
A-160B-5HP	1 1/4 x 2 x 6 9/16	2	3 3/4	4 15/16	6 1/2	1 1/16	1 1/4	2 1/2	3 1/2	5 1/2	5/8	3 1/8	10	11 1/2	5 3/16	6 5/16	2 3/4	4 5/8	7 1/2	9 7/16	9/16
A-200-7 1/2HP	1 1/4 x 2 x 7 5/16	2	3 3/4	4 15/16	6 1/2	1 1/16	1 1/4	2 1/2	3 1/2	5 1/2	5/8	3 1/8	11 9/16	13 3/8	6 5/16	7 1/16	2 3/4	4 11/16	7 1/2	9 7/16	9/16
A-200-10HP	1 1/4 x 2 x 7 7/8	2	3 3/4	4 15/16	6 1/2	1 1/16	1 1/4	2 1/2	3 1/2	5 1/2	5/8	3 1/8	11 9/16	13 3/8	6 5/16	7 1/16	2 3/4	4 11/16	7 1/2	9 7/16	9/16
B-125A-5HP	1 1/2 x 2 1/2 x 4 15/16	2 1/2	4 9/16	5 11/16	7 5/16	1 1/16	1 1/2	2 7/8	3 7/8	5 7/8	5/8	3 1/8	8 3/8	9 15/16	4 7/16	5 1/2	2 3/4	4 1/2	6 5/16	8 1/4	9/16
B-125B-5HP	1 1/2 x 2 1/2 x 5 1/2	2 1/2	4 9/16	5 11/16	7 5/16	1 1/16	1 1/2	2 7/8	3 7/8	5 7/8	5/8	3 1/8	8 3/8	9 15/16	4 7/16	5 1/2	2 3/4	4 1/2	6 5/16	8 1/4	9/16
B-160-7 1/2HP	1 1/2 x 2 1/2 x 5 15/16	2 1/2	4 9/16	5 11/16	7 5/16	1 1/16	1 1/2	2 7/8	3 7/8	5 7/8	5/8	3 1/8	10	11 1/2	5 3/16	6 5/16	2 3/4	4 5/8	7 1/2	9 7/16	9/16
B-160-1-10HP	1 1/2 x 2 1/2 x 6 9/16	2 1/2	4 9/16	5 11/16	7 5/16	1 1/16	1 1/2	2 7/8	3 7/8	5 7/8	5/8	3 1/8	10	11 1/2	5 3/16	6 5/16	2 3/4	4 5/8	7 1/2	9 7/16	9/16
B-200A-15HP	1 1/2 x 2 1/2 x 7 3/16	2 1/2	4 9/16	5 11/16	7 5/16	1 1/16	1 1/2	2 7/8	3 7/8	5 7/8	5/8	3 15/16	11 9/16	13 3/8	6 5/16	7 1/16	2 3/4	4 1/2	8 3/8	10 1/16	9/16
B-200B-15HP	1 1/2 x 2 1/2 x 7 7/8	2 1/2	4 9/16	5 11/16	7 5/16	1 1/16	1 1/2	2 7/8	3 7/8	5 7/8	5/8	3 15/16	11 9/16	13 3/8	6 5/16	7 1/16	2 3/4	4 1/2	8 3/8	10 1/16	9/16
C-125-7 1/2HP	2 x 2 1/2 x 5 3/16	2 1/2	4 9/16	5 11/16	7 5/16	1 1/16	2	3 3/4	4 15/16	6 1/2	11/16	3 5/16	10	11 1/2	5 3/16	6 5/16	2 3/4	4 1/2	7 1/2	9 7/16	9/16
C-125-10HP	2 x 2 1/2 x 5 1/2	2 1/2	4 9/16	5 11/16	7 5/16	1 1/16	2	3 3/4	4 15/16	6 1/2	11/16	3 5/16	10	11 1/2	5 3/16	6 5/16	2 3/4	4 1/2	7 1/2	9 7/16	9/16
C-160-10HP	2 x 2 1/2 x 6 3/16	2 1/2	4 9/16	5 11/16	7 5/16	1 1/16	2	3 3/4	4 15/16	6 1/2	11/16	3 5/16	11 11/16	13 3/8	6 5/16	7 1/16	2 3/4	4 1/2	8 3/8	10 1/16	9/16
C-160-1-15HP	2 x 2 1/2 x 6 9/16	2 1/2	4 9/16	5 11/16	7 5/16	1 1/16	2	3 3/4	4 15/16	6 1/2	11/16	3 5/16	11 11/16	13 3/8	6 5/16	7 1/16	2 3/4	4 1/2	8 3/8	10 1/16	9/16



Unit: inch

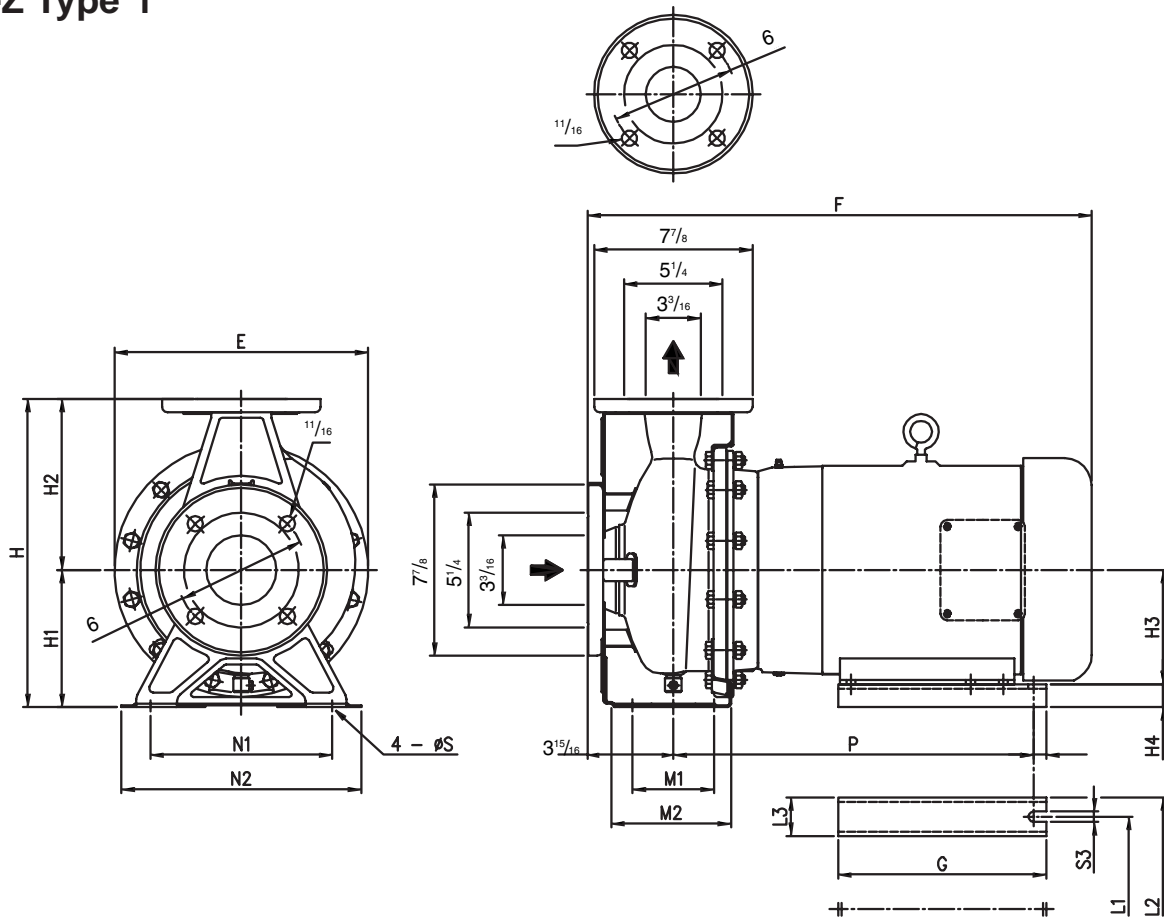
Model	JM Frame	Motor									
		b	e	f	g	l ₁	l ₂	l ₃	P	S ₃	F
JE2-A-125	145JM	5	15/16	3 1/2	5 15/16	5 1/2	6 1/2	1	6 9/16	11/32	18 15/16
	182JM	4 1/2	-1/16	4 1/2	6 1/2	7 1/2	8 1/2	1	7 3/16	13/32	19 3/16
JE2-A-160 ^{A/B}	182JM	4 1/2	11/16	4 1/2	6 1/2	7 1/2	8 1/2	1	7 3/16	13/32	19 3/16
	184JM	5 1/2	11/16	4 1/2	6 1/2	7 1/2	8 1/2	1	7 3/16	13/32	20 5/8
JE2-A-200	184JM	5 1/2	1 13/16	4 1/2	6 1/2	7 1/2	8 1/2	1	7 3/16	13/32	22 1/8
	213JM	5 1/2	1 1/16	5 1/4	8	8 1/2	9 1/2	1	8 3/16	13/32	20 3/4
	215JM	7	1 1/16	5 1/4	8	8 1/2	9 1/2	1	8 3/16	13/32	21 7/8
JE2-B-125 ^{A/B}	182JM	4 1/2	-1/16	4 1/2	6 1/2	7 1/2	8 1/2	1	7 3/16	13/32	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	13/32	20 3/4
JE2-B-160	184JM	5 1/2	11/16	4 1/2	6 1/2	7 1/2	8 1/2	1	7 3/16	13/32	22 1/8
	213JM	5 1/2	-1/16	5 1/4	8	8 1/2	9 1/2	1	8 3/16	13/32	20 3/4
	215JM	7	-1/16	5 1/4	8	8 1/2	9 1/2	1	8 3/16	13/32	21 7/8
JE2-B-200	215JM	7	1 1/16	5 1/4	8	8 1/2	9 1/2	1	8 3/16	13/32	22 11/16
JE2-C-125	184JM	5 1/2	11/16	4 1/2	6 1/2	7 1/2	8 1/2	1	7 3/16	13/32	22 15/16
	213JM	5 1/2	-1/16	5 1/4	8	8 1/2	9 1/2	1	8 3/16	13/32	21 9/16
	215JM	7	-1/16	5 1/4	8	8 1/2	9 1/2	1	8 3/16	13/32	22 11/16
JE2-C-160	213JM	5 1/2	1 1/16	5 1/4	8	8 1/2	9 1/2	1	8 3/16	13/32	21 9/16
	215JM	7	1 1/16	5 1/4	8	8 1/2	9 1/2	1	8 3/16	13/32	22 11/16

Remarks:

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



JE2-Z Type 1

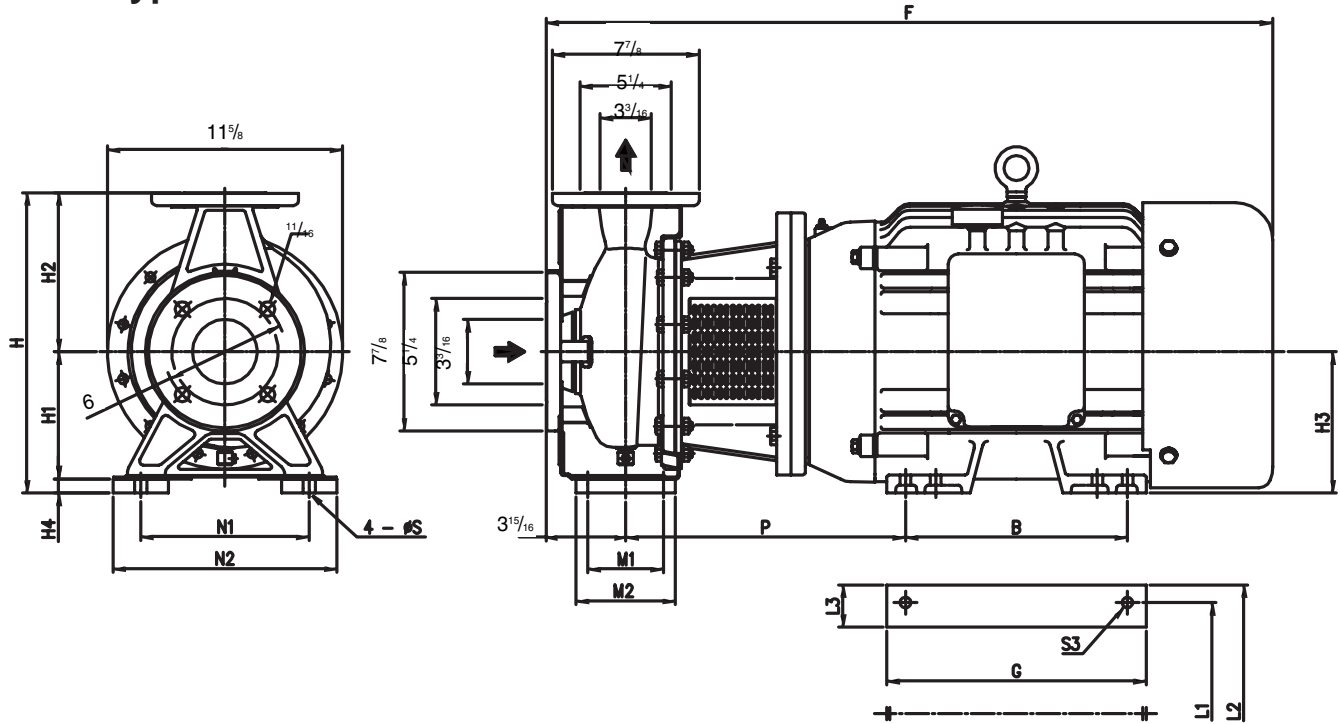


Dimensions: inch

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	S ₄
JE2-Z-125-7	2 1/2 x 3 x 4 7/8	1	10	23 3/16	9 9/16	13 3/8	6 5/16	7 1/16	5 1/4	1 1/16	8 1/2	10 1/4	1 3/4	3 3/4	5 1/2	8 3/8	11	16 9/16	9/16	1/2	
JE2-Z-125-10	2 1/2 x 3 x 5 5/16	1	10	23 3/16	9 9/16	13 3/8	6 5/16	7 1/16	5 1/4	1 1/16	8 1/2	10 1/4	1 3/4	3 3/4	5 1/2	8 3/8	11	16 9/16	9/16	1/2	
JE2-Z-160-10	2 1/2 x 3 x 5 3/8	1	11 5/8	23 3/16	9 9/16	14 3/16	6 5/16	7 7/8	5 1/4	1 1/16	8 1/2	10 1/4	1 3/4	3 3/4	5 1/2	8 3/8	11	16 9/16	9/16	1/2	
JE2-Z-160-15	2 1/2 x 3 x 5 7/8	1	11 5/8	23 3/16	9 9/16	14 3/16	6 5/16	7 7/8	5 1/4	1 1/16	8 1/2	10 1/4	1 3/4	3 3/4	5 1/2	8 3/8	11	16 9/16	9/16	1/2	



JE2-Z Type 3



Dimensions: inch

MODEL	SIZE	TYPE	B	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
JE2-Z-160-20	2 ¹ / ₂ x 3 x 6 ⁵ / ₁₆	3	10	32 ² / ₈	11 ⁵ / ₈	14 ³ / ₁₆	6 ⁵ / ₁₆	7 ⁷ / ₈	6 ¹ / ₄	1 ¹ / ₁₆	10	12 ² / ₈	2 ² / ₈	3 ³ / ₄	5 ¹ / ₂	8 ⁹ / ₈	11	13 ¹³ / ₁₆	9 ⁹ / ₁₆	17 ¹⁷ / ₃₂
JE2-Z-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 ¹¹ / ₁₆	11	12 ² / ₄	—	3 ³ / ₄	4 ¹⁵ / ₁₆	8 ⁸ / ₈	11 ¹ / ₈	13 ³ / ₈	9 ⁹ / ₁₆	17 ¹⁷ / ₃₂
JE2-Z-200-20	2 ¹ / ₂ x 3 x 6 ³ / ₄	3	9 ³ / ₄	32 ² / ₈	13 ⁹ / ₁₆	15 ¹⁵ / ₁₆	7 ¹ / ₁₆	8 ⁷ / ₈	6 ¹ / ₄	1 ¹³ / ₁₆	10	12 ² / ₈	2 ² / ₈	3 ³ / ₄	5 ¹ / ₂	9 ¹³ / ₁₆	12 ² / ₈	25 ¹³ / ₁₆	9 ⁹ / ₁₆	9 ⁹ / ₁₆
JE2-Z-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 ² / ₈	13 ³ / ₈	9 ⁹ / ₁₆	17 ¹⁷ / ₃₂
JE2-Z-200-30	2 ¹ / ₂ x 3 x 7 ¹ / ₂	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 ² / ₈	13 ³ / ₈	9 ⁹ / ₁₆	17 ¹⁷ / ₃₂

