



# SMVT

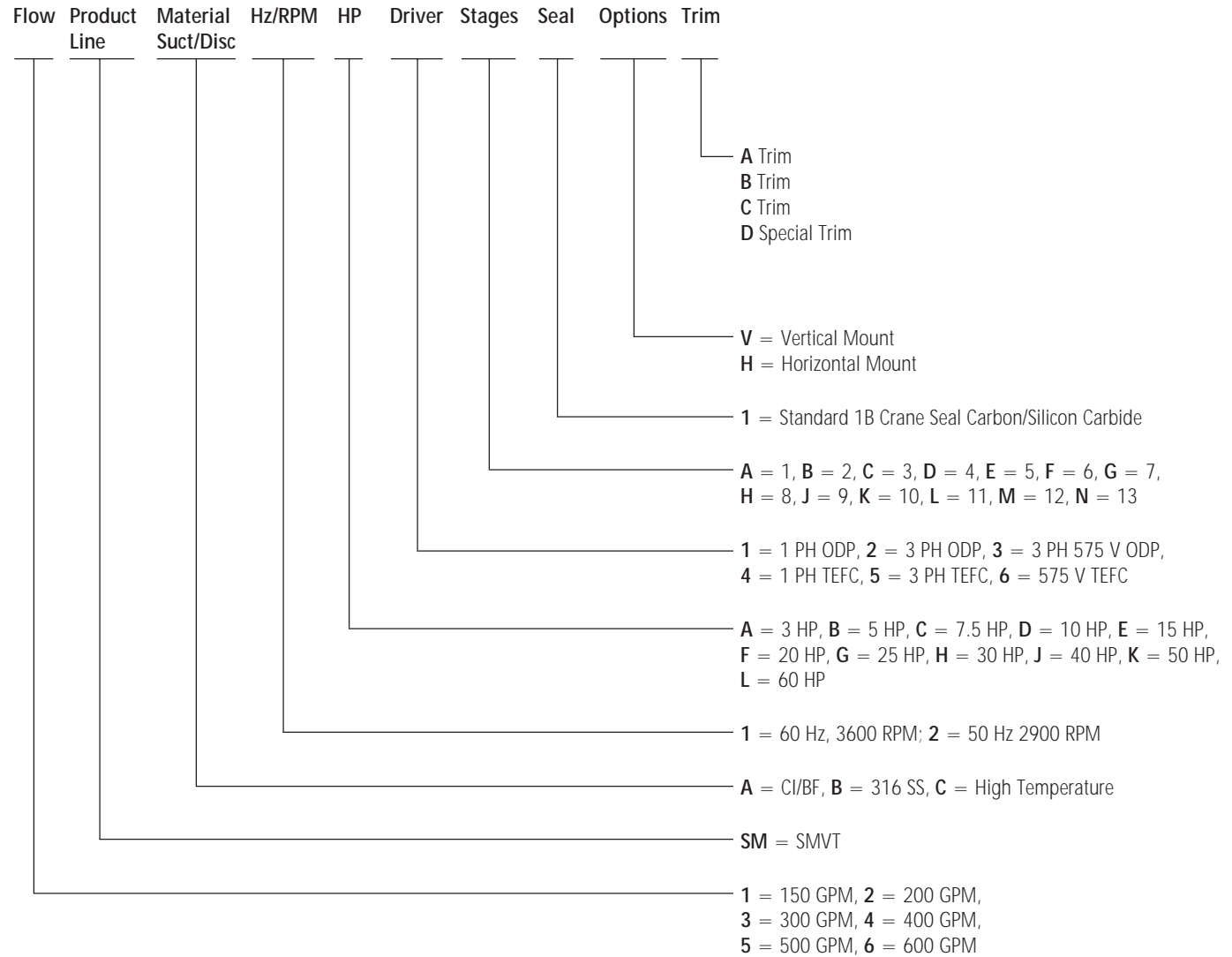
Vertical  
Multi-Stage  
Pumps

# SMVT Product Line Numbering System

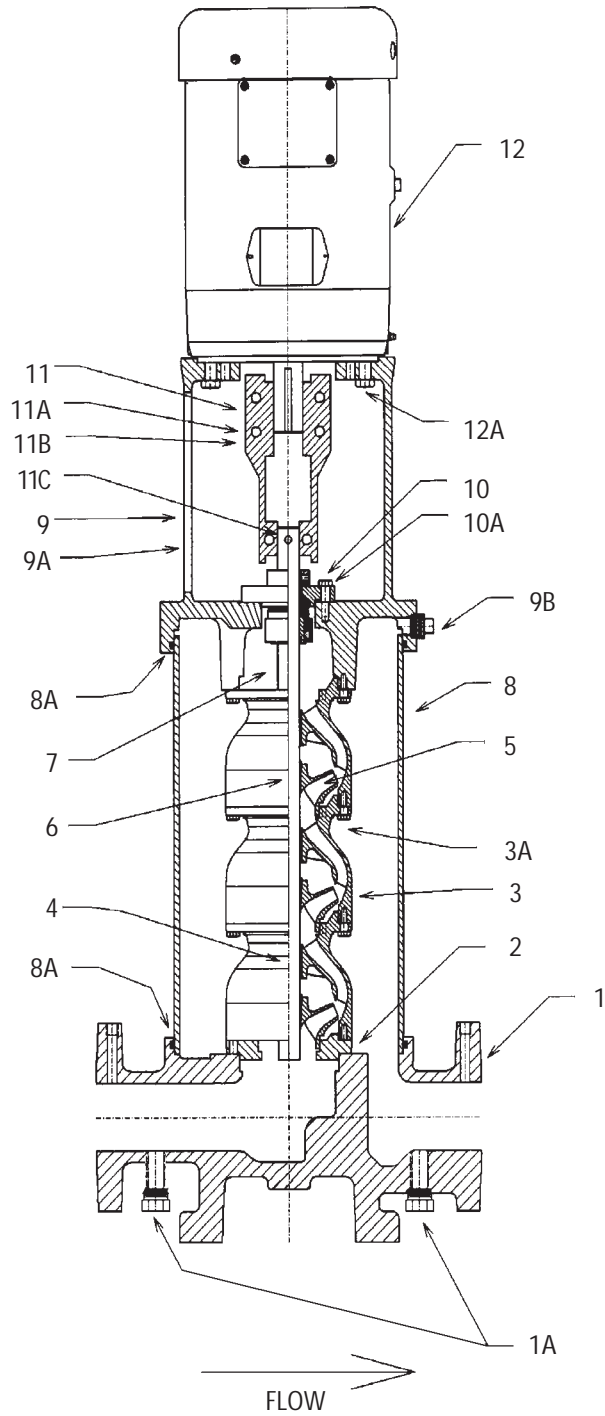
The various versions of the SMVT line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below.

**Note:** Not all combinations are possible. Consult your Goulds Pumps distributor.

## Example Product Code: 3SMA1J2C1VA



# SMVT Sectional Assembly



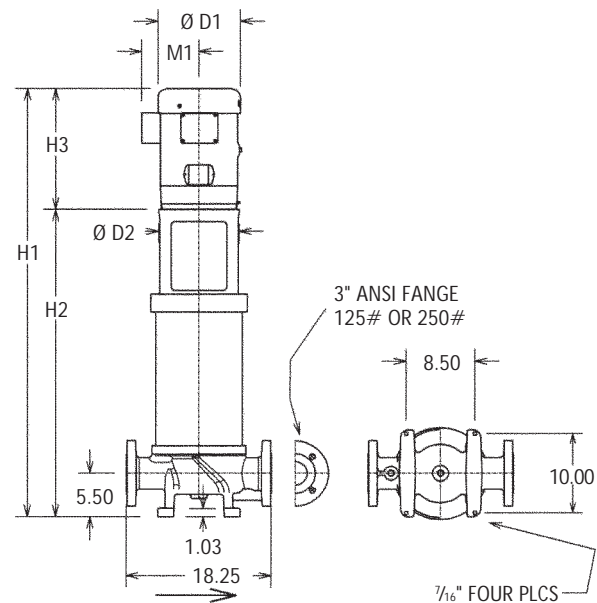
Item No.	Description
1	Pump body
1A	Pipe plug – drain
2	Suction cover
3	Intermediate bowl
3A	Capscrews – bowl
4	Bearing
5	Impeller
6	Taperlock
7	Pump shaft
8	Casing
8A	O-ring – casing
9	Motor adapter
9A	Coupling guard
9B	Plug – prime
10	Mechanical seal
10A	Capscrew, seal
11	Shaft coupling
11A	Capscrew – coupling
11B	Lockwashers
11C	Dowel pin
12	NEMA vertical motor
12A	Motor bolts

## Model: 1SMA 60 Hz General Pump Description

Construction: Cast iron bronze fitted  
 Capacity: 50 – 220 GPM  
 Head: 40 – 760 feet  
 Staging: 1–10  
 Minimum flow: 50 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange (up to 5 stage)  
 400 PSI with ANSI Class 250 flange (More than 5 stg.)  
 Temperatures: Liquid temperature from -13°F (-25°C) to 150°F (65°C)  
 Solids handling: Although not recommended, the pump may pass a 1/32" solids.  
 Piping Connections: Suction and discharge openings are 3" with ANSI Class 125 or 250 flanges.

Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Silicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 class 30
Bowl bearing	Bronze	B584 C90300
Impeller	Bronze	B854 C87500
Taperlock	Steel	A108 G10180
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197

## Dimensions and Weights (All dimensions are in inches, weights are total unit weight.)



### ODP Motors

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
2	182TC	5	47.17	33.49	13.68	6.87	8.49	10.00	366
2	184TC	7.5	47.17	33.49	13.68	6.87	8.49	10.00	372
3	184TC	7.5	52.29	38.61	13.68	6.87	8.49	10.00	400
3	213TC	10	53.71	38.61	15.30	7.93	10.18	10.00	435
4	215TC	15	59.04	43.73	15.31	7.93	10.18	10.00	482
5	215TC	15	64.16	48.85	15.31	7.93	10.18	10.00	528
5	254TC	20	64.16	48.85	15.31	7.93	10.18	10.00	547
6	254TC	20	69.28	53.97	15.31	7.93	10.18	10.00	558
7	256TC	25	78.53	59.09	19.44	8.92	11.63	10.00	651
8	284TSC	30	84.77	64.21	20.56	9.25	8.94	11.50	737
9	284TSC	30	89.89	69.33	20.56	9.25	8.94	11.50	765
10	286TSC	40	97.45	74.45	23.00	12.21	13.25	13.63	854

### Motors

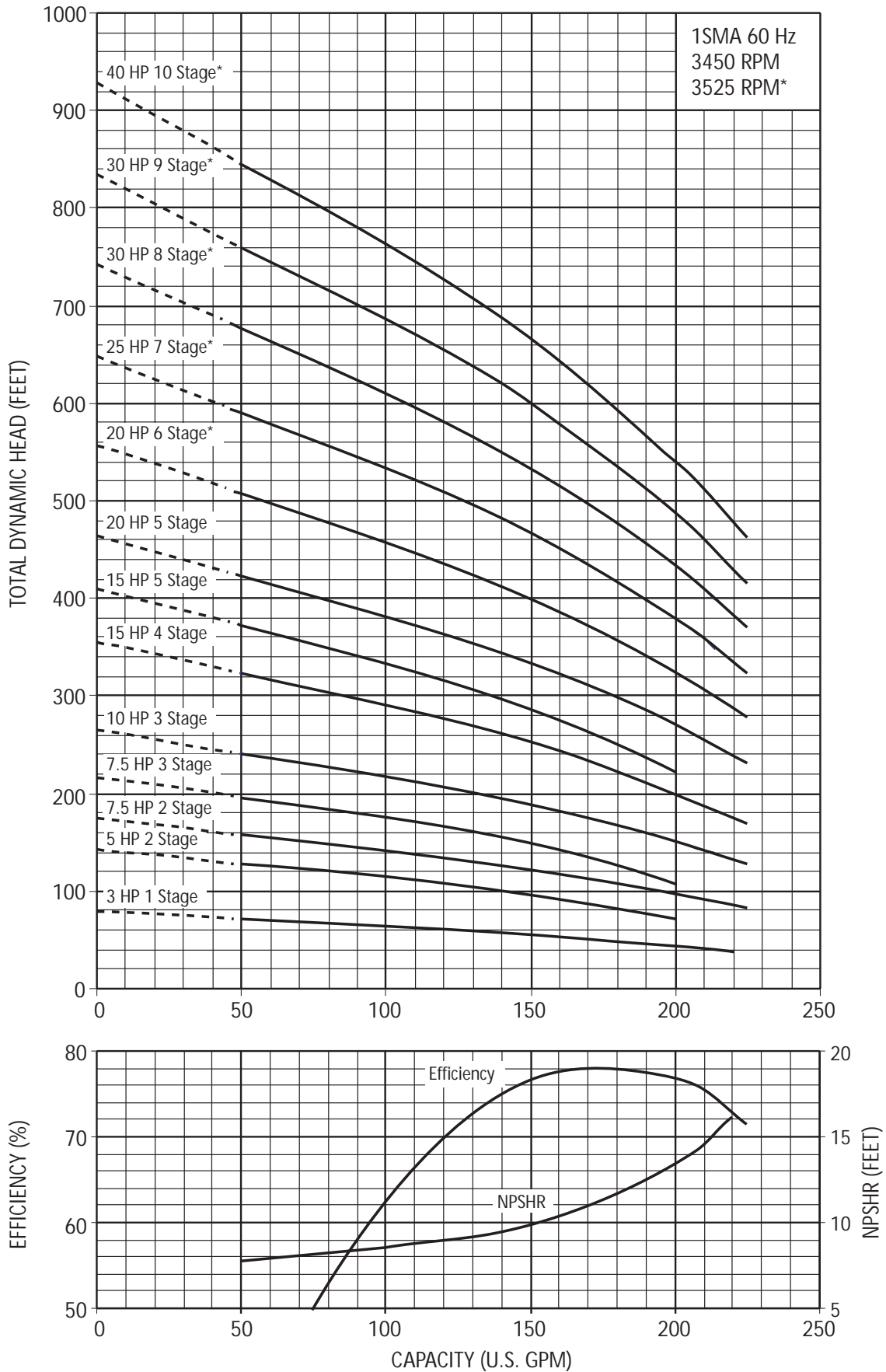
Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.

### TEFC Motors

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	182TC	3	41.35	28.37	12.98	5.72	7.19	10.00	318
2	184TC	5	48.67	33.49	15.18	6.87	8.60	10.00	366
2	184TC	7.5	48.67	33.49	15.18	6.87	8.60	10.00	396
3	184TC	7.5	53.79	38.61	15.18	6.87	8.60	10.00	424
3	215TC	10	55.61	38.61	17.00	8.05	10.62	10.00	444
4	254TC	15	60.73	43.73	17.00	8.05	10.62	10.00	555
5	215TC	15	65.85	48.85	17.00	8.05	10.62	10.00	601
5	256TC	20	70.82	48.85	21.97	10.04	12.94	10.00	622
6	256TC	20	75.94	53.97	21.97	10.04	12.94	10.00	633
7	284TSC	25	84.78	59.09	25.69	13.11	15.56	10.00	876
8	286TSC	30	89.90	64.21	25.69	13.11	15.56	13.63	905
9	286TSC	30	95.02	69.33	25.69	13.11	15.56	13.63	933
10	286TSC	40	100.10	74.45	25.69	13.11	15.56	13.63	1040

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

**1SMA 60 Hz Performance Curve**  
**3450RPM, 3525 RPM\***

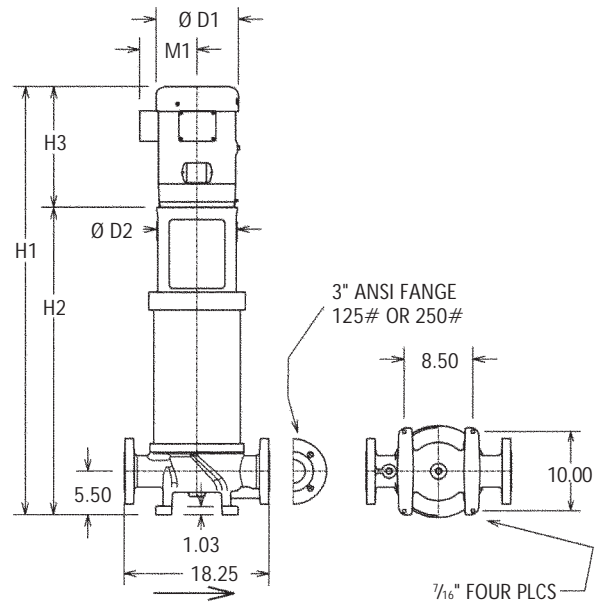


**Model: 2SMA 60 Hz**  
**General Pump Description**

**Dimensions and Weights**  
 (All dimensions are in inches, weights are total unit weight.)

Construction: Cast iron bronze fitted  
 Capacity: 50 – 300 GPM  
 Head: 50 – 830 feet  
 Staging: 1–7  
 Minimum flow: 50 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange (up to 3 stage)  
 400 PSI with ANSI Class 250 flange (More than 3 stg.)  
 Temperatures: Liquid temperature from -13°F (-25°C) to 150°F (65°C)  
 Solids handling: Although not recommended, the pump may pass a 1/4" solids.  
 Piping Connections: Suction and discharge openings are 3" with ANSI Class 125 or 250 flanges.

Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Silicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 class 30
Bowl bearing	Bronze	B584 C90300
Impeller	Bronze	B854 C87500
Taperlock	Steel	A108 G10180
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197



**ODP Motors**

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	185TC	7.5	42.30	28.62	13.68	6.87	8.94	10.00	376
2	213TC	10	49.42	34.12	15.30	7.93	10.18	10.00	459
2	215TC	15	49.43	34.12	15.31	7.93	10.18	10.00	477
3	254TC	20	54.93	39.62	15.31	7.93	10.18	10.00	545
3	256TC	25	59.06	39.62	19.44	8.92	11.63	10.00	578
4	284TSC	30	65.68	45.12	20.56	8.94	11.50	13.63	716
5	286TSC	40	73.62	50.62	23.00	12.21	13.25	13.63	825
6	286TSC	50	79.12	56.12	23.00	12.21	13.25	13.63	965
7	326TSC	60	84.12	61.62	22.50	12.21	13.75	13.63	1022

**TEFC Motors**

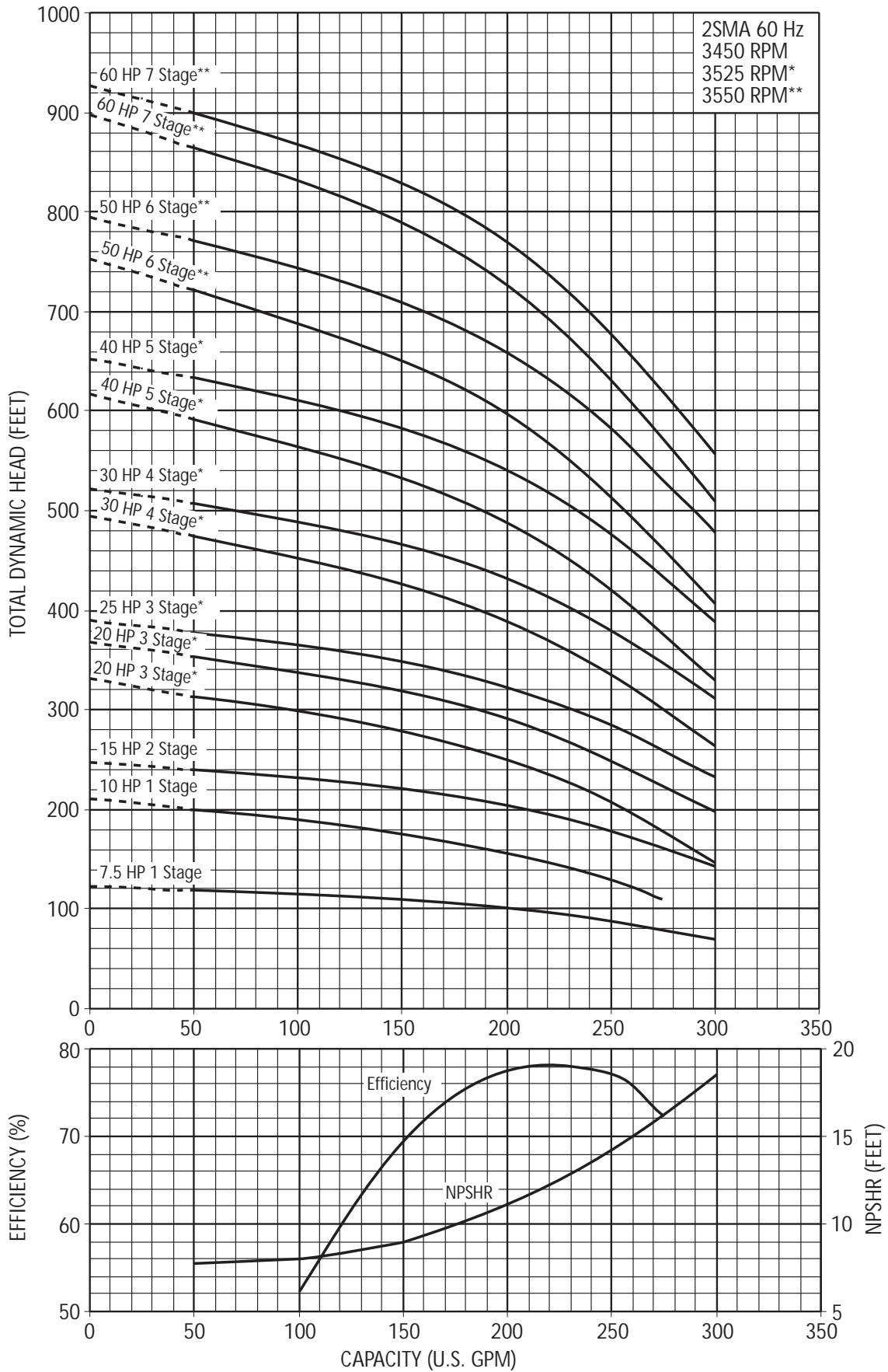
Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	184TC	7.5	43.80	28.62	15.18	8.05	10.62	10.00	400
2	215TC	10	51.12	34.12	17.00	8.05	10.62	10.00	468
2	215TC	15	51.12	34.12	17.00	8.05	10.62	10.00	550
3	256TC	20	61.59	39.62	21.97	10.04	12.94	10.00	620
3	284TSC	25	65.31	39.62	25.69	13.11	15.56	10.00	804
4	286TSC	30	70.81	45.12	25.69	13.11	15.56	13.63	884
5	286TSC	40	76.31	50.62	25.69	13.11	15.56	13.63	1011
6	326TSC	50	83.91	56.12	27.79	14.12	17.35	13.63	1173
7	364TSC	60	92.16	61.62	30.54	14.95	19.25	13.63	1362

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

**Motors**

Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.

**2SMA 60 Hz Performance Curve**  
**3450RPM, 3525 RPM\*, 3550 RPM\*\***

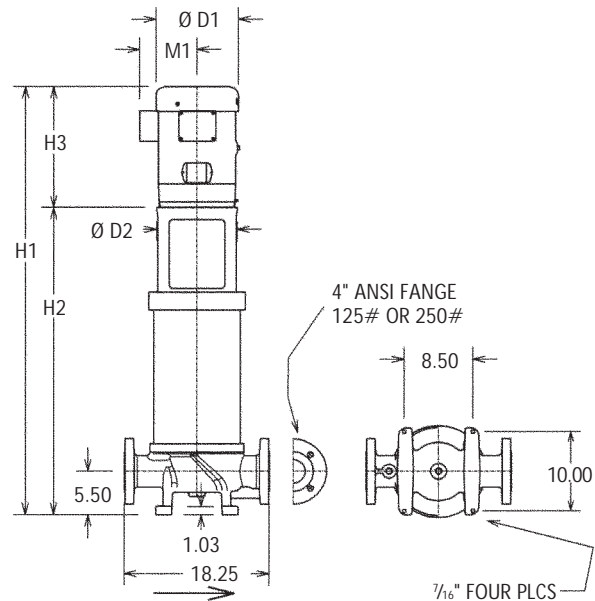


## Model: 3SMA 60 Hz General Pump Description

## Dimensions and Weights (All dimensions are in inches, weights are total unit weight.)

Construction: Cast iron bronze fitted  
 Capacity: 100 – 420 GPM  
 Head: 70 – 680 feet  
 Staging: 1–6  
 Minimum flow: 100 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange (up to 3 stage)  
 400 PSI with ANSI Class 250 flange (More than 3 stg.)  
 Temperatures: Liquid temperature from -13°F (-25°C) to 150°F (65°C)  
 Solids handling: Although not recommended, the pump may pass a 3/8" solids.  
 Piping Connections: Suction and discharge openings are 4" with ANSI Class 125 or 250 flanges.

Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Silicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 class 30
Bowl bearing	Bronze	B584 C90300
Impeller	Bronze	B854 C87500
Taperlock	Steel	A108 G10180
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197



### ODP Motors

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	213TC	10	44.80	29.50	15.30	7.93	10.18	10.00	411
2	215TC	15	51.19	35.88	15.31	7.93	10.18	10.00	479
2	254TC	20	51.19	35.88	15.31	7.93	10.18	10.00	498
3	256TC	25	61.70	42.26	19.44	8.92	11.63	10.00	580
3	284TSC	30	62.82	42.26	20.56	8.94	11.50	13.63	670
4	286TSC	40	71.64	48.64	23.00	12.21	13.25	13.63	780
5	286TSC	50	78.02	55.02	23.00	12.21	13.25	13.63	921
6	326TSC	60	83.90	61.40	22.50	12.21	13.75	13.63	1179

### TEFC Motors

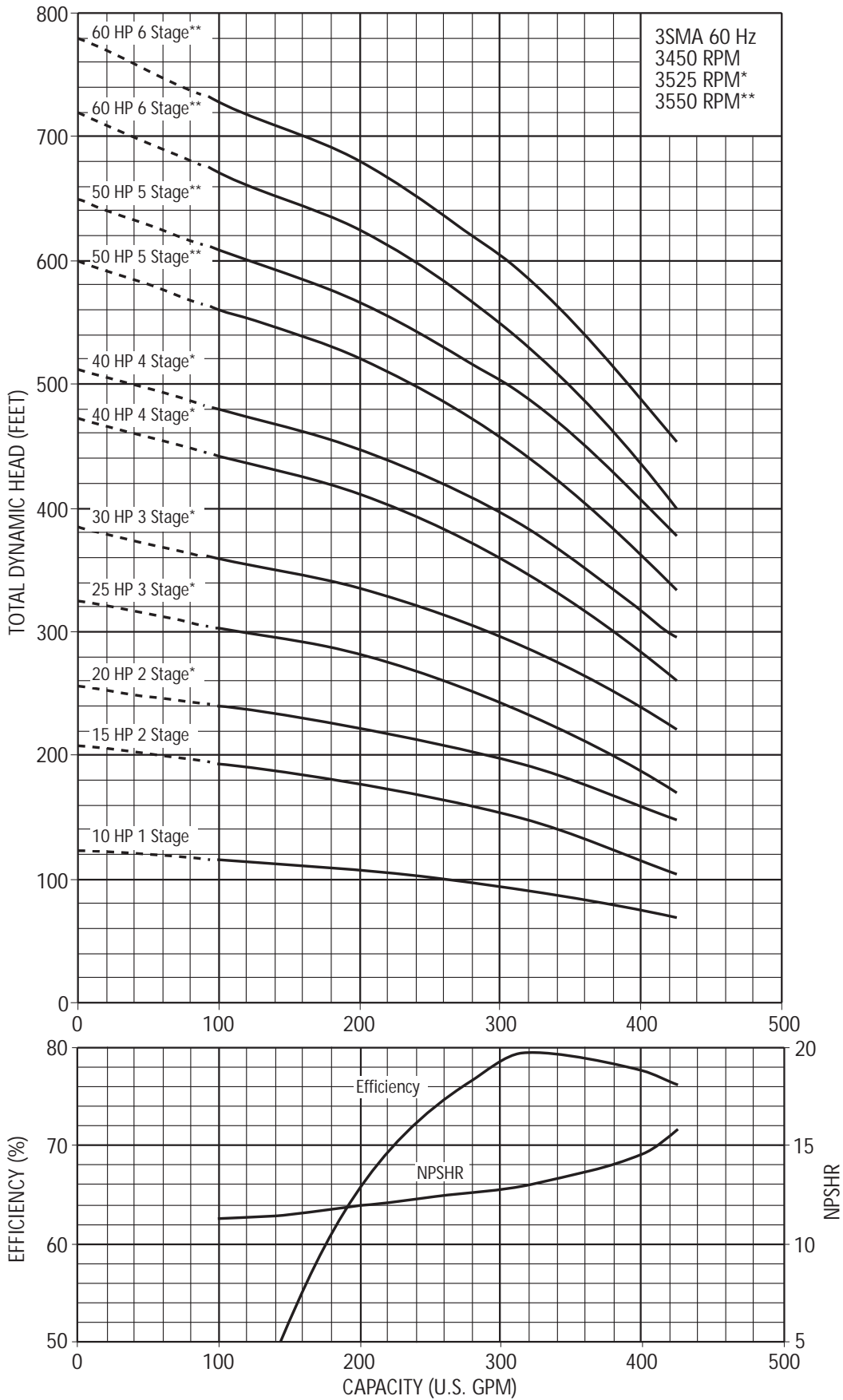
Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	10	46.50	29.50	17.00	8.05	10.62	10.00	420
2	254TC	15	52.88	35.88	17.00	8.05	10.62	10.00	552
2	256TC	20	57.85	35.88	21.97	10.04	12.94	10.00	573
3	284TSC	25	67.95	42.26	25.69	13.11	15.56	13.63	806
3	286TSC	30	67.95	42.26	25.69	13.11	15.56	13.63	838
4	286TSC	40	74.33	48.64	25.69	13.11	15.56	13.63	966
5	326TSC	50	82.81	55.02	27.79	14.12	17.35	13.63	1129
6	324TSC	60	91.94	61.40	30.54	14.95	19.25	13.63	1519

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

## Motors

Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.

**3SMA 60 Hz Performance Curve**  
**3450RPM, 3525 RPM\*, 3550 RPM\*\***



## Model: 4SMA 60 Hz General Pump Description

Construction: Cast iron bronze fitted  
 Capacity: 200 – 540 GPM  
 Head: 70 – 470 feet  
 Staging: 1–4  
 Minimum flow: 300 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange (up to 3 stage)  
 400 PSI with ANSI Class 250 flange (More than 3 stg.)  
 Temperatures: Liquid temperature from -13°F (-25°C) to 150°F (65°C)  
 Solids handling: Although not recommended, the pump may pass a 3/8" solids.  
 Piping Connections: Suction and discharge openings are 4" with ANSI Class 125 or 250 flanges.

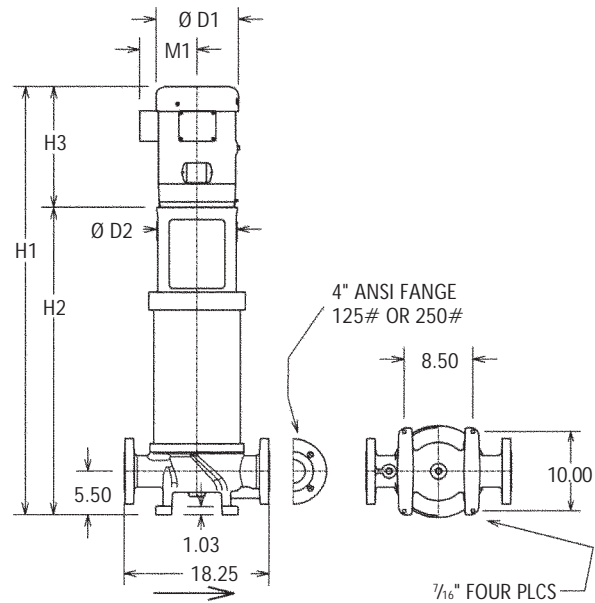
Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Siicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 class 30
Bowl bearing	Bronze	B584 C90300
Impeller	Bronze	B854 C87500
Taperlock	Steel	A108 G10180
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197

## Motors

Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.

## Dimensions and Weights

(All dimensions are in inches, weights are total unit weight.)



## ODP Motors

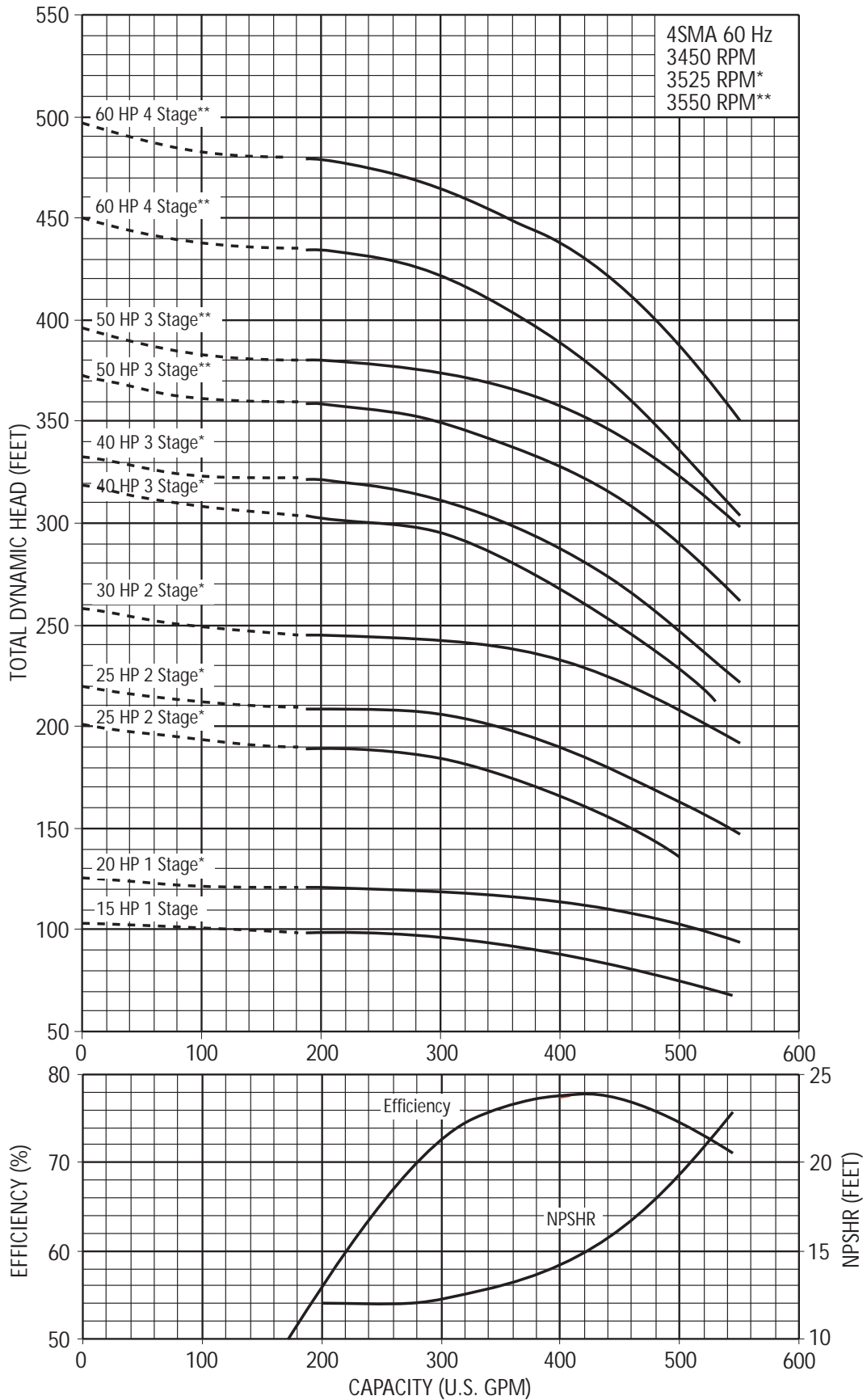
Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	15	44.81	29.50	15.31	7.93	10.18	10.00	429
1	254TC	20	44.81	29.50	15.31	7.93	10.18	10.00	448
2	256TC	25	55.32	35.88	19.44	8.92	11.63	10.00	531
2	284TSC	30	56.44	35.88	20.56	8.94	11.50	13.63	621
3	286TSC	40	65.26	42.26	23.00	12.21	13.25	13.63	730
3	286TSC	50	65.26	42.26	23.00	12.21	13.25	13.63	822
4	326TSC	60	71.14	48.64	22.50	12.21	13.75	13.63	880

## TEFC Motors

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	15	46.50	29.50	17.00	8.05	10.62	10.00	502
1	256TC	20	51.47	29.50	21.97	10.04	12.94	10.00	523
2	284TSC	25	61.57	35.88	25.69	13.11	15.56	13.63	757
2	286TSC	30	61.57	35.88	25.69	13.11	15.56	13.63	789
3	286TSC	40	67.95	42.26	25.69	13.11	15.56	13.63	916
3	326TSC	50	70.05	42.26	27.79	14.12	17.35	13.63	1030
4	364TSC	60	79.18	48.64	30.54	14.95	19.25	13.63	1220

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

**4SMA 60 Hz Performance Curve**  
**3450RPM, 3525 RPM\*, 3550 RPM\*\***



## Model: 5SMA 60 Hz General Pump Description

Construction: Cast iron bronze fitted  
 Capacity: 200 – 600 GPM  
 Head: 50 – 490 feet  
 Staging: 1–6  
 Minimum flow: 200 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange (up to 5 stage)  
 400 PSI with ANSI Class 250 flange (6 stg.)  
 Temperatures: Liquid temperature from -13°F (-25°C) to 150°F (65°C)  
 Solids handling: Although not recommended, the pump may pass a 1/2" solids.  
 Piping Connections: Suction and discharge openings are 4" with ANSI Class 125 or 250 flanges.

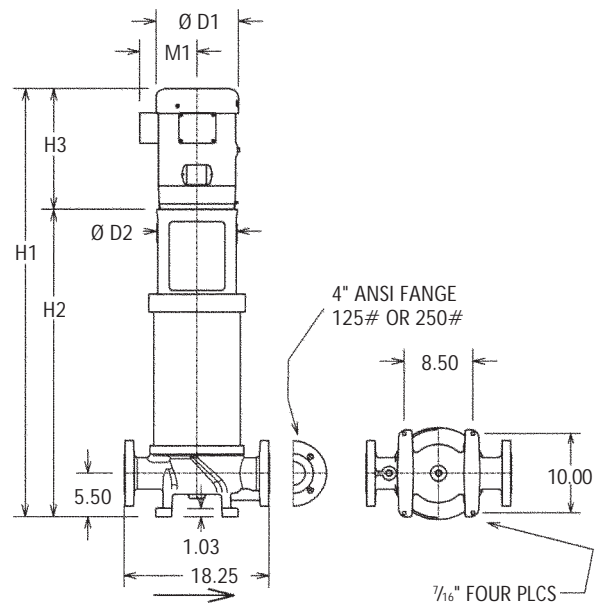
Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Siicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 class 30
Bowl bearing	Bronze	B584 C90300
Impeller	Bronze	B854 C87500
Taperlock	Steel	A108 G10180
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197

## Motors

Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.

## Dimensions and Weights

(All dimensions are in inches, weights are total unit weight.)



## ODP Motors

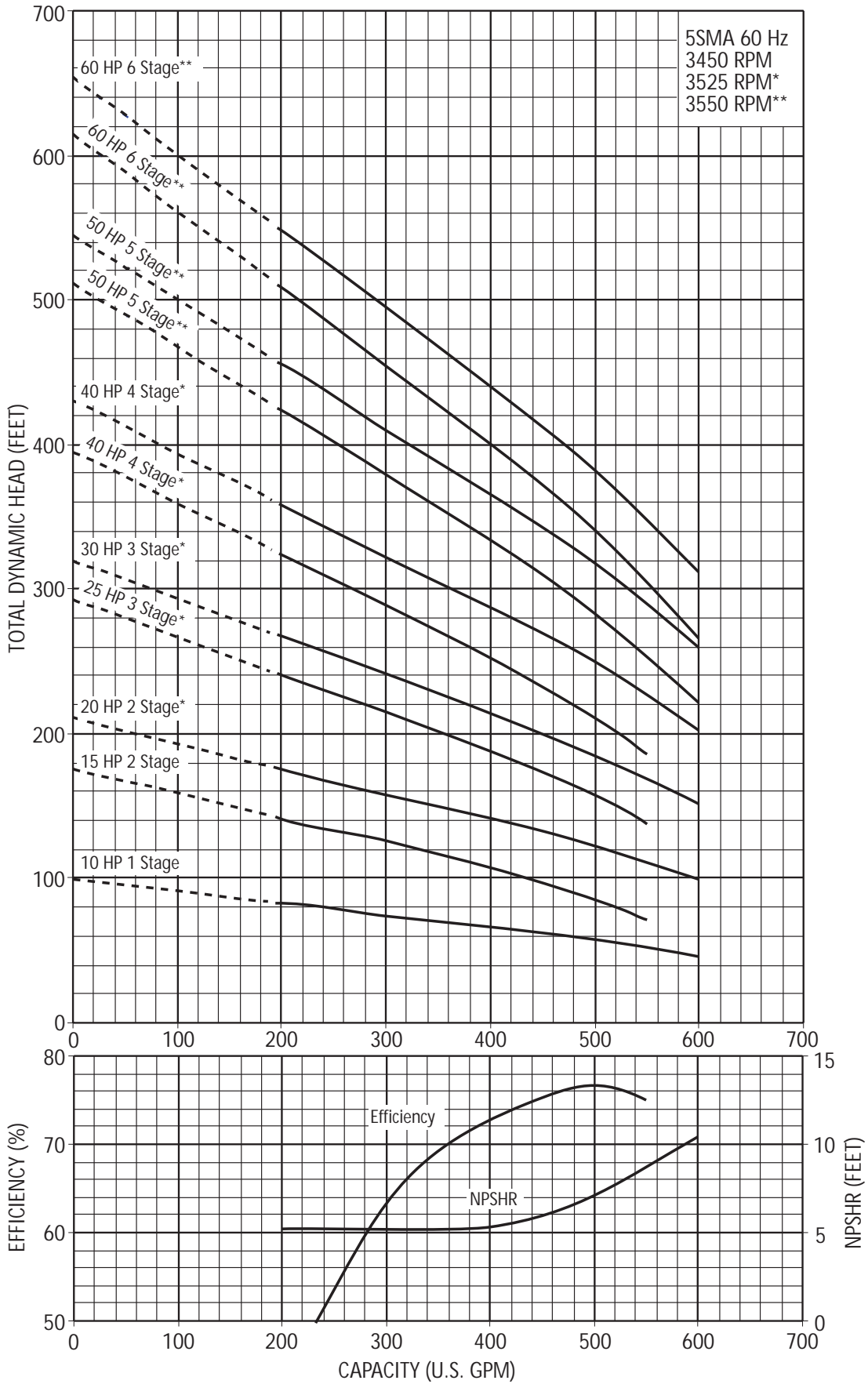
Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	213TC	10	45.49	30.18	15.30	7.93	10.18	10.00	422
2	215TC	15	52.58	37.27	15.31	7.93	10.18	10.00	495
2	254TC	20	52.58	37.27	15.31	7.93	10.18	10.00	514
3	256TC	25	63.80	44.36	19.44	8.92	11.63	13.63	602
3	284TSC	30	64.92	44.36	20.56	8.94	11.50	13.63	692
4	286TSC	40	74.45	51.45	23.00	12.21	13.25	13.63	807
5	286TSC	50	81.54	58.54	23.00	12.21	13.25	13.63	954
6	326TSC	60	88.13	65.63	22.50	12.21	13.75	13.63	1017

## TEFC Motors

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	10	47.18	30.18	17.00	8.05	10.62	10.00	431
2	215TC	15	54.27	37.27	17.00	8.05	10.62	10.00	568
2	256TC	20	59.24	37.27	21.97	10.04	12.94	10.00	589
3	284TSC	25	70.05	44.36	25.69	13.11	15.56	10.00	828
3	286TSC	30	70.05	44.36	25.69	13.11	15.56	13.63	860
4	286TSC	40	77.14	51.45	25.69	13.11	15.56	13.63	993
5	326TSC	50	86.33	58.54	27.79	14.12	17.35	13.63	1162
6	364TSC	60	96.17	65.63	30.54	14.95	19.25	13.63	1357

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

**5SMA 60 Hz Performance Curve**  
**3450RPM, 3525 RPM\*, 3550 RPM\*\***

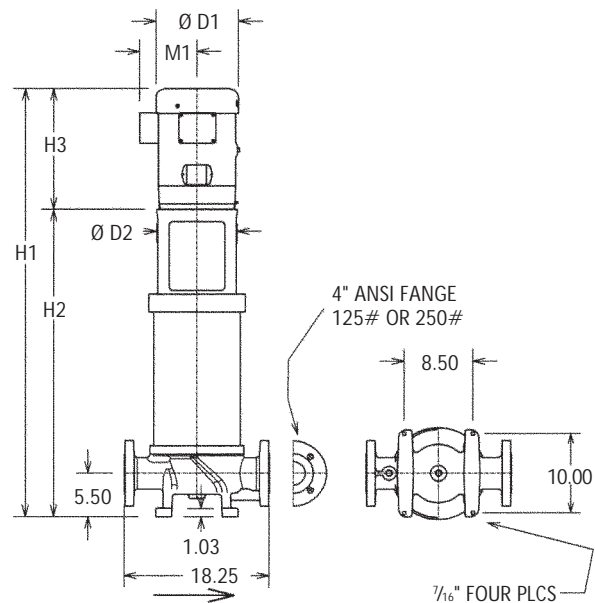


## Model: 6SMA 60 Hz General Pump Description

## Dimensions and Weights (All dimensions are in inches, weights are total unit weight.)

Construction: Cast iron bronze fitted  
 Capacity: 200 – 800 GPM  
 Head: 50 – 350 feet  
 Staging: 1–4  
 Minimum flow: 200 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange  
 Temperatures: Liquid temperature from -13°F (-25°C) to 150°F (65°C)  
 Solids handling: Although not recommended, the pump may pass a 1/2" solids.  
 Piping Connections: Suction and discharge openings are 4" with ANSI Class 125 or 250 flanges.

Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Siicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 class 30
Bowl bearing	Bronze	B584 C90300
Impeller	Bronze	B854 C87500
Taperlock	Steel	A108 G10180
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197



### ODP Motors

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	15	45.49	30.18	15.31	7.93	10.18	10.00	440
2	256TC	25	56.71	37.27	19.44	8.92	11.63	10.00	547
2	284TSC	30	57.83	37.27	20.56	8.94	11.50	13.63	604
3	286TSC	40	67.36	44.36	23.00	12.21	13.25	13.63	752
3	286TSC	50	67.36	44.36	23.00	12.21	13.25	13.63	844
4	326TSC	60	73.95	51.45	22.50	12.21	13.75	13.63	907

### TEFC Motors

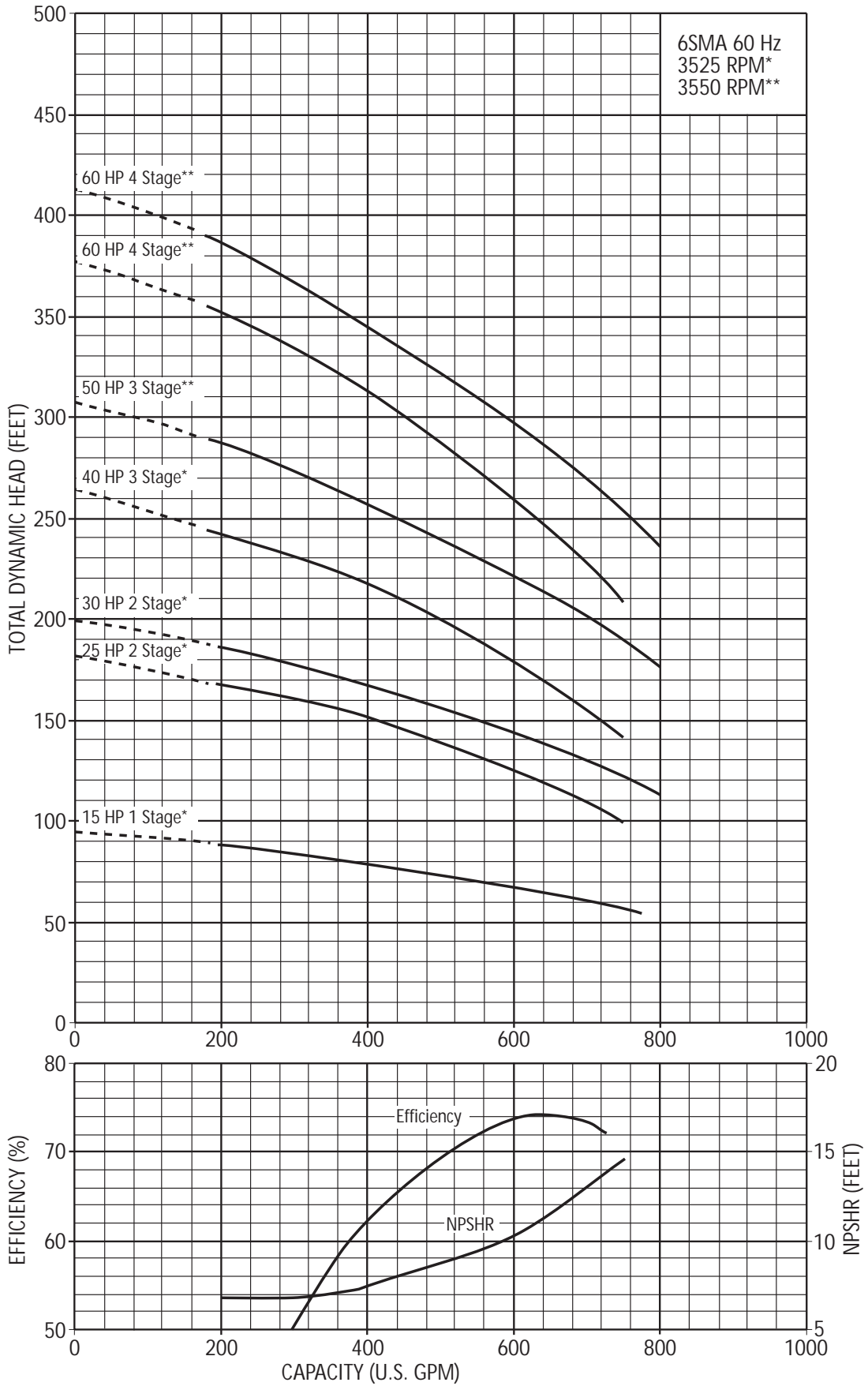
Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	15	47.18	30.18	17.00	8.05	10.62	10.00	513
2	284TSC	25	62.96	37.27	25.69	13.11	15.56	13.63	773
2	286TSC	30	62.96	37.27	25.69	13.11	15.56	13.63	805
3	286TSC	40	70.05	44.36	25.69	13.11	15.56	13.63	938
3	326TSC	50	72.15	44.36	27.79	14.12	17.35	13.63	1052
4	364TSC	60	81.99	51.45	30.54	14.95	19.25	13.63	1247

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

## Motors

Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.

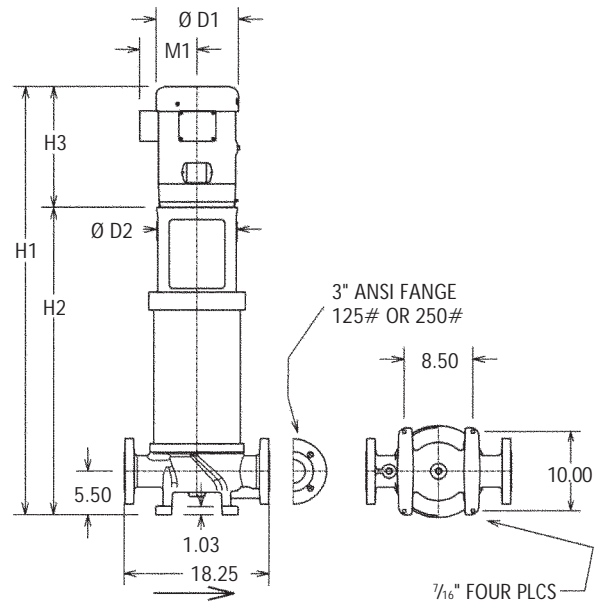
**6SMA 60 Hz Performance Curve**  
**3525 RPM\*, 3550 RPM\*\***



**Model: 1SMC 60 Hz**  
**General Pump Description**

**Dimensions and Weights**  
 (All dimensions are in inches, weights are total unit weight.)

Construction: All iron  
 Capacity: 50 – 220 GPM  
 Head: 40 – 760 feet  
 Staging: 1–10  
 Minimum flow: 50 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange (up to 5 stage)  
 400 PSI with ANSI Class 250 flange (More than 5 stage)  
 Temperatures: Liquid temperature from -13°F (-25°C) to 250°F (121°C)  
 Solids handling: Although not recommended, the pump may pass a 1/32" solids.  
 Piping Connections: Suction and discharge openings are 3" with ANSI Class 125 or 250 flanges.



Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Siicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 Class 30
Bowl bearing	Carbon	B584 C90300
Thrust ring	416 SS	A582 S41600
Impeller	Ductile iron	B536 Gr. 65-45-12
Impeller key	416 SS	A582 S41600
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197

**ODP Motors**

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
2	182TC	5	47.17	33.49	13.68	6.87	8.49	10.00	366
2	184TC	7.5	47.17	33.49	13.68	6.87	8.49	10.00	372
3	184TC	7.5	52.29	38.61	13.68	6.87	8.49	10.00	400
3	213TC	10	53.71	38.61	15.30	7.93	10.18	10.00	435
4	215TC	15	59.04	43.73	15.31	7.93	10.18	10.00	482
5	215TC	15	64.16	48.85	15.31	7.93	10.18	10.00	528
5	254TC	20	64.16	48.85	15.31	7.93	10.18	10.00	547
6	254TC	20	69.28	53.97	15.31	7.93	10.18	10.00	558
7	256TC	25	78.53	59.09	19.44	8.92	11.63	10.00	651
8	284TSC	30	84.77	64.21	20.56	9.25	8.94	11.50	737
9	284TSC	30	89.89	69.33	20.56	9.25	8.94	11.50	765
10	286TSC	40	97.45	74.45	23.00	12.21	13.25	13.63	854

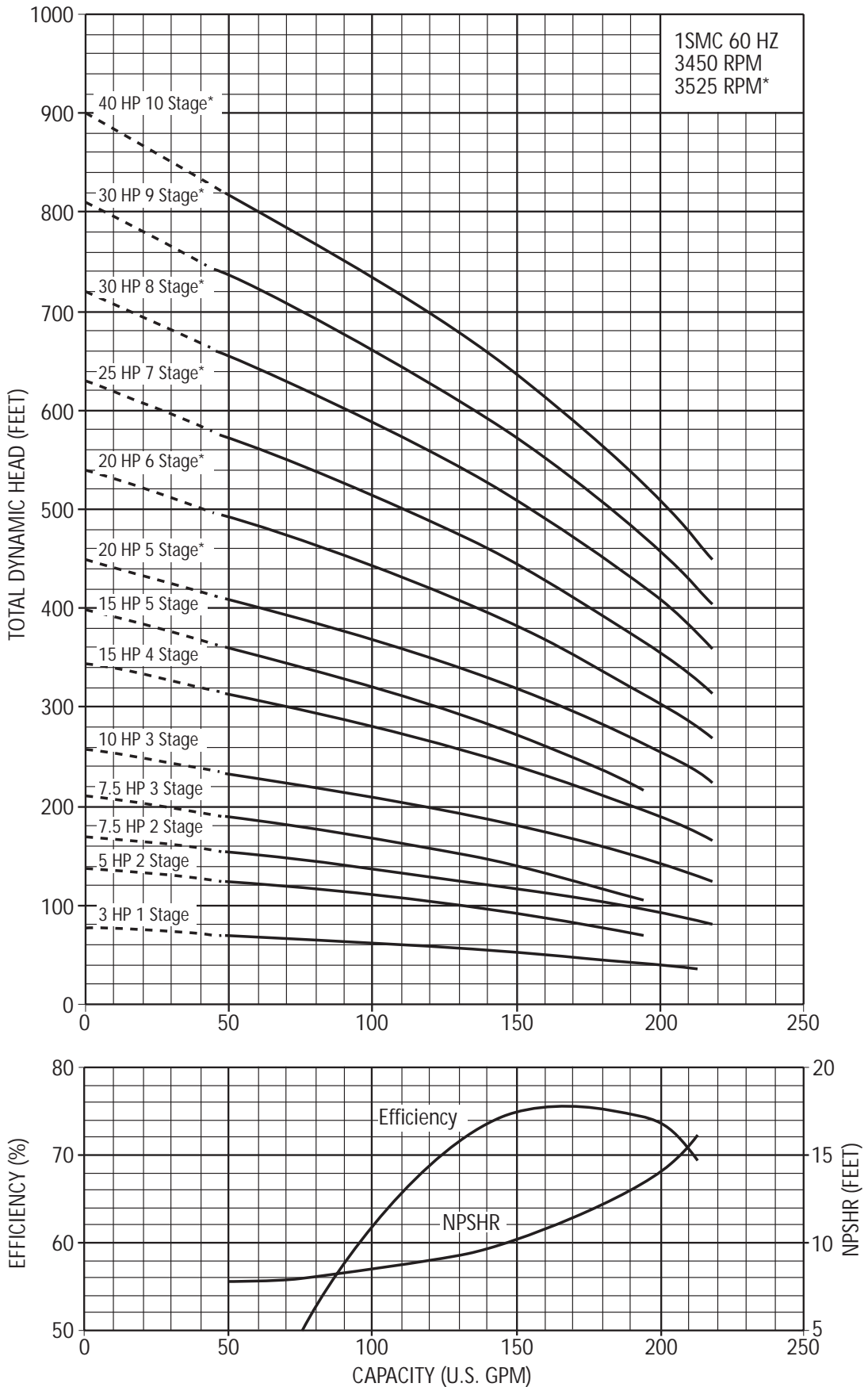
**TEFC Motors**

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	182TC	3	41.35	28.37	12.98	5.72	7.19	10.00	318
2	184TC	5	48.67	33.49	15.18	6.87	8.60	10.00	366
2	184TC	7.5	48.67	33.49	15.18	6.87	8.60	10.00	396
3	184TC	7.5	53.79	38.61	15.18	6.87	8.60	10.00	424
3	215TC	10	55.61	38.61	17.00	8.05	10.62	10.00	444
4	254TC	15	60.73	43.73	17.00	8.05	10.62	10.00	555
5	215TC	15	65.85	48.85	17.00	8.05	10.62	10.00	601
5	256TC	20	70.82	48.85	21.97	10.04	12.94	10.00	622
6	256TC	20	75.94	53.97	21.97	10.04	12.94	10.00	633
7	284TSC	25	84.78	59.09	25.69	13.11	15.56	10.00	876
8	286TSC	30	89.90	64.21	25.69	13.11	15.56	13.63	905
9	286TSC	30	95.02	69.33	25.69	13.11	15.56	13.63	933
10	286TSC	40	100.10	74.45	25.69	13.11	15.56	13.63	1040

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

**Motors**

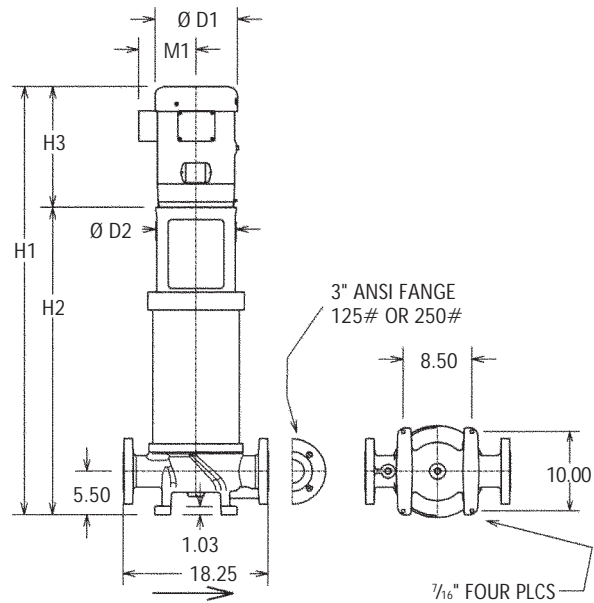
Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.



**Model: 2SMC 60 Hz**  
**General Pump Description**

**Dimensions and Weights**  
 (All dimensions are in inches, weights are total unit weight.)

Construction: All iron  
 Capacity: 50 – 300 GPM  
 Head: 50 – 830 feet  
 Staging: 1–7  
 Minimum flow: 50 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange (up to 3 stage)  
 400 PSI with ANSI Class 250 flange (More than 3 stage)  
 Temperatures: Liquid temperature from -13°F (-25°C) to 250°F (121°C)  
 Solids handling: Although not recommended, the pump may pass a 1/4" solids.  
 Piping Connections: Suction and discharge openings are 3" with ANSI Class 125 or 250 flanges.



Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Siicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 Class 30
Bowl bearing	Carbon	
Impeller	Ductile iron	B536 Gr. 65-45-12
Impeller key	416 SS	A582 S41600
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197

**ODP Motors**

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	185TC	7.5	42.30	28.62	13.68	6.87	8.94	10.00	376
2	213TC	10	49.42	34.12	15.30	7.93	10.18	10.00	459
2	215TC	15	49.43	34.12	15.31	7.93	10.18	10.00	477
3	254TC	20	54.93	39.62	15.31	7.93	10.18	10.00	545
3	256TC	25	59.06	39.62	19.44	8.92	11.63	10.00	578
4	284TSC	30	65.68	45.12	20.56	8.94	11.50	13.63	716
5	286TSC	40	73.62	50.62	23.00	12.21	13.25	13.63	825
6	286TSC	50	79.12	56.12	23.00	12.21	13.25	13.63	965
7	326TSC	60	84.12	61.62	22.50	12.21	13.75	13.63	1022

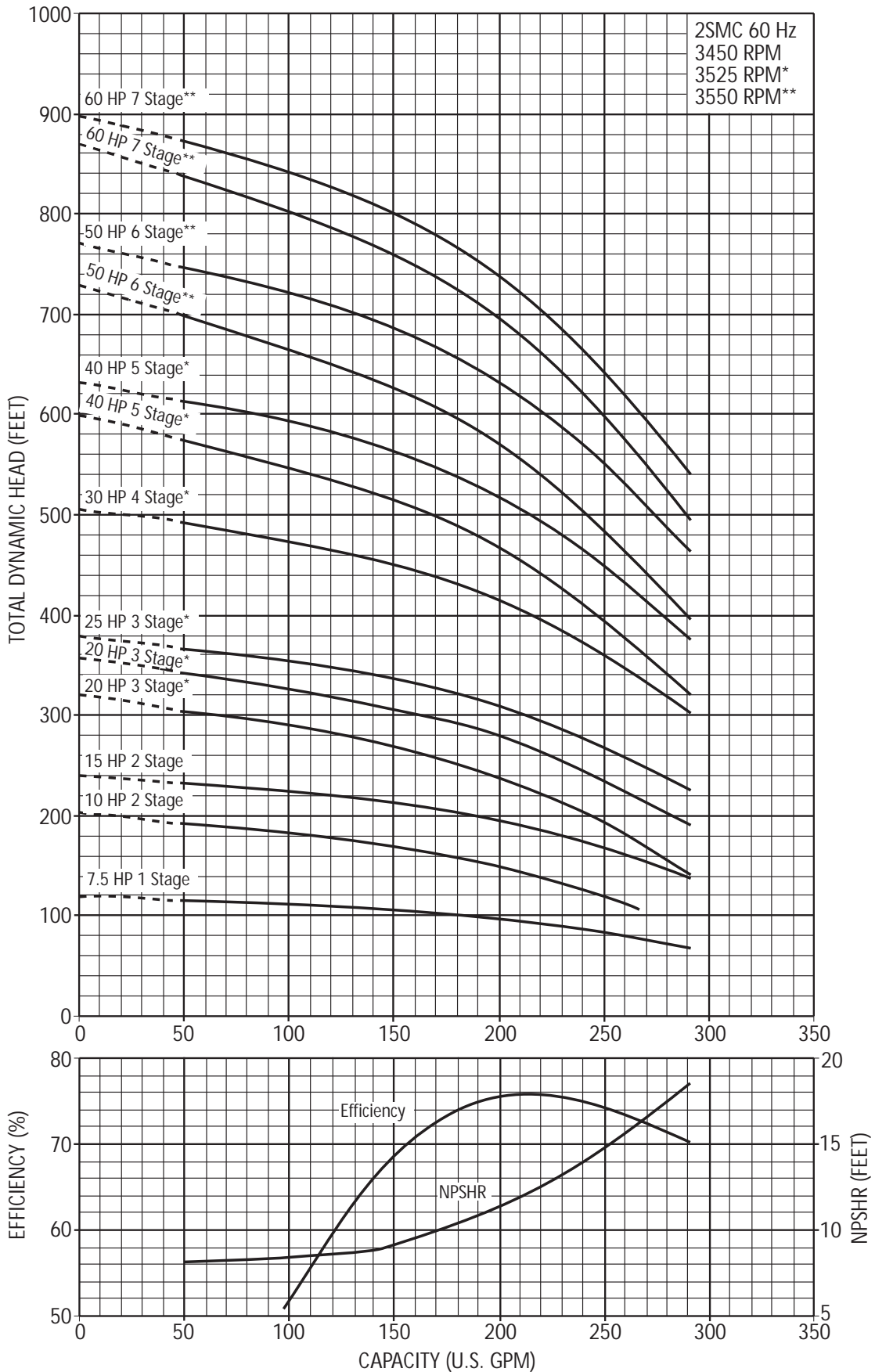
**TEFC Motors**

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	184TC	7.5	43.80	28.62	15.18	8.05	10.62	10.00	400
2	215TC	10	51.12	34.12	17.00	8.05	10.62	10.00	468
2	215TC	15	51.12	34.12	17.00	8.05	10.62	10.00	550
3	256TC	20	61.59	39.62	21.97	10.04	12.94	10.00	620
3	284TSC	25	65.31	39.62	25.69	13.11	15.56	10.00	804
4	286TSC	30	70.81	45.12	25.69	13.11	15.56	13.63	884
5	286TSC	40	76.31	50.62	25.69	13.11	15.56	13.63	1011
6	326TSC	50	83.91	56.12	27.79	14.12	17.35	13.63	1173
7	364TSC	60	92.16	61.62	30.54	14.95	19.25	13.63	1362

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

**Motors**

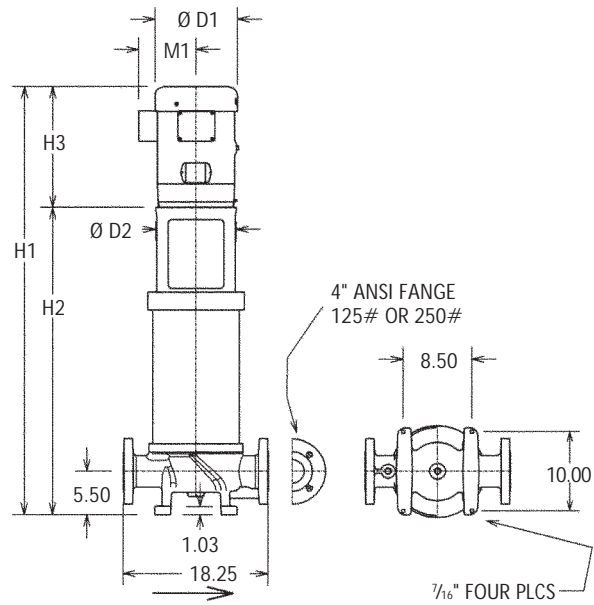
Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.



**Model: 3SMC 60 Hz**  
**General Pump Description**

**Dimensions and Weights**  
 (All dimensions are in inches, weights are total unit weight.)

Construction: All iron  
 Capacity: 100 – 420 GPM  
 Head: 70 – 680 feet  
 Staging: 1–6  
 Minimum flow: 100 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange (up to 3 stage)  
 400 PSI with ANSI Class 250 flange (More than 3 stage)  
 Temperatures: Liquid temperature from -13°F (-25°C) to 250°F (121°C)  
 Solids handling: Although not recommended, the pump may pass a 3/8" solids.  
 Piping Connections: Suction and discharge openings are 4" with ANSI Class 125 or 250 flanges.



Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Siicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 Class 30
Bowl bearing	Carbon	
Impeller	Ductile iron	B536 Gr. 65-45-12
Impeller key	416 SS	A582 S41600
Thrust ring	416 SS	A582 S41600
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197

**ODP Motors**

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	213TC	10	44.80	29.50	15.30	7.93	10.18	10.00	411
2	215TC	15	51.19	35.88	15.31	7.93	10.18	10.00	479
2	254TC	20	51.19	35.88	15.31	7.93	10.18	10.00	498
3	256TC	25	61.70	42.26	19.44	8.92	11.63	10.00	580
3	284TSC	30	62.82	42.26	20.56	8.94	11.50	13.63	670
4	286TSC	40	71.64	48.64	23.00	12.21	13.25	13.63	780
5	286TSC	50	78.02	55.02	23.00	12.21	13.25	13.63	921
6	326TSC	60	83.90	61.40	22.50	12.21	13.75	13.63	1179

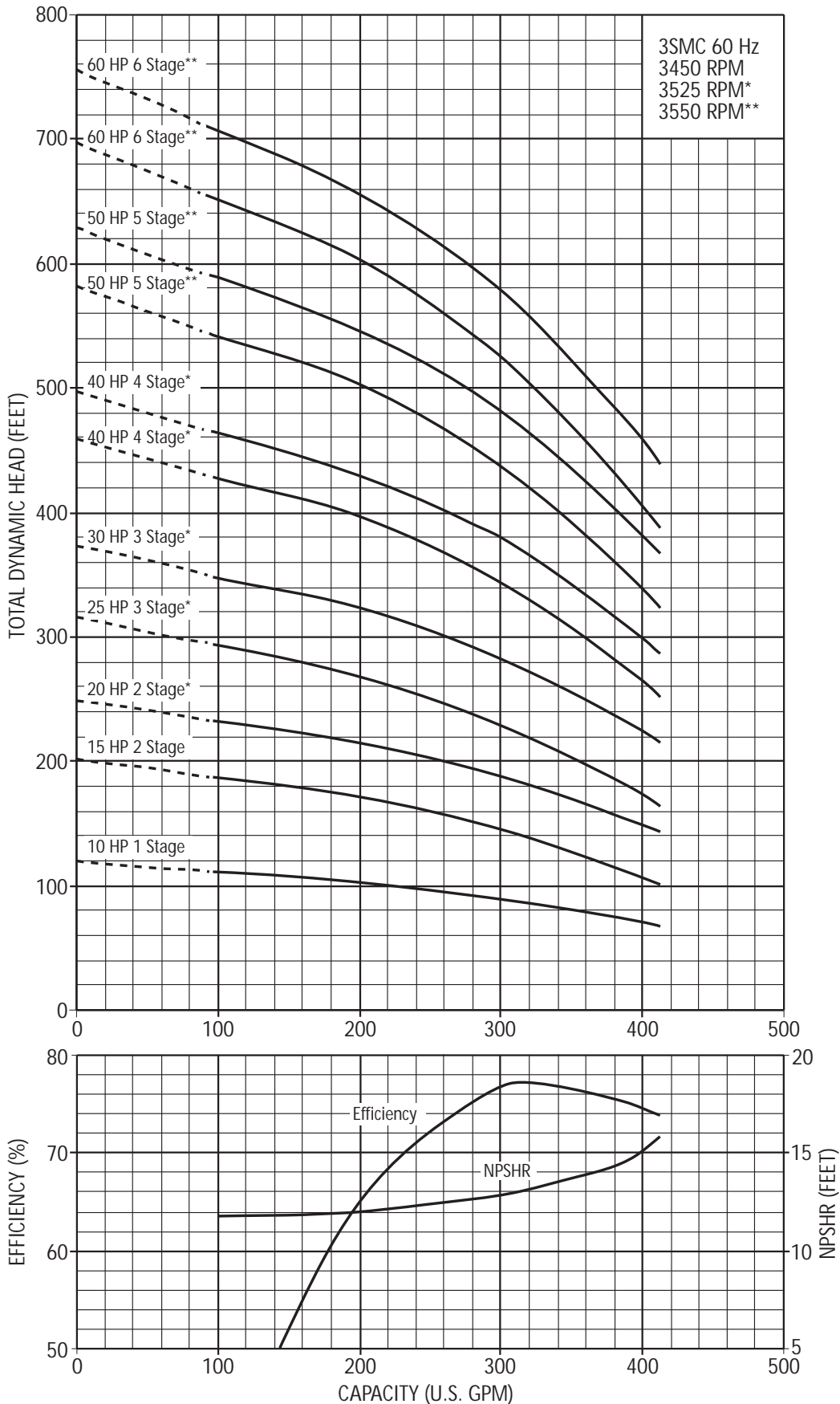
**TEFC Motors**

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	10	46.50	29.50	17.00	8.05	10.62	10.00	420
2	254TC	15	52.88	35.88	17.00	8.05	10.62	10.00	552
2	256TC	20	57.85	35.88	21.97	10.04	12.94	10.00	573
3	284TSC	25	67.95	42.26	25.69	13.11	15.56	13.63	806
3	286TSC	30	67.95	42.26	25.69	13.11	15.56	13.63	838
4	286TSC	40	74.33	48.64	25.69	13.11	15.56	13.63	966
5	326TSC	50	82.81	55.02	27.79	14.12	17.35	13.63	1129
6	324TSC	60	91.94	61.40	30.54	14.95	19.25	13.63	1519

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

**Motors**

Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.



**Model: 4SMC 60 Hz**  
**General Pump Description**

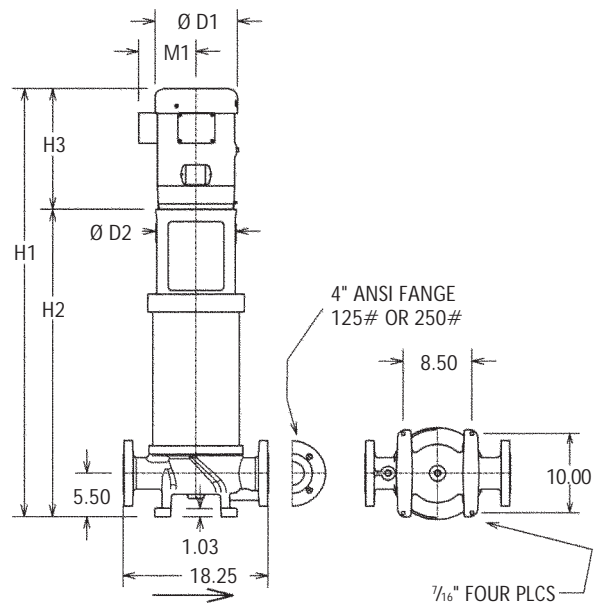
**Dimensions and Weights**  
 (All dimensions are in inches, weights are total unit weight.)

Construction: All iron  
 Capacity: 200 – 540 GPM  
 Head: 70 – 470 feet  
 Staging: 1–4  
 Minimum flow: 200 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange (up to 3 stage)  
 400 PSI with ANSI Class 250 flange (4 stage)  
 Temperatures: Liquid temperature from -13°F (-25°C) to 250°F (121°C)  
 Solids handling: Although not recommended, the pump may pass a 3/8" solids.  
 Piping Connections: Suction and discharge openings are 4" with ANSI Class 125 or 250 flanges.

Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Siicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 Class 30
Bowl bearing	Carbon	
Impeller	Ductile iron	B536 Gr. 65-45-12
Impeller key	416 SS	A582 S41600
Thrust ring	416 SS	A582 S41600
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197

**Motors**

Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.



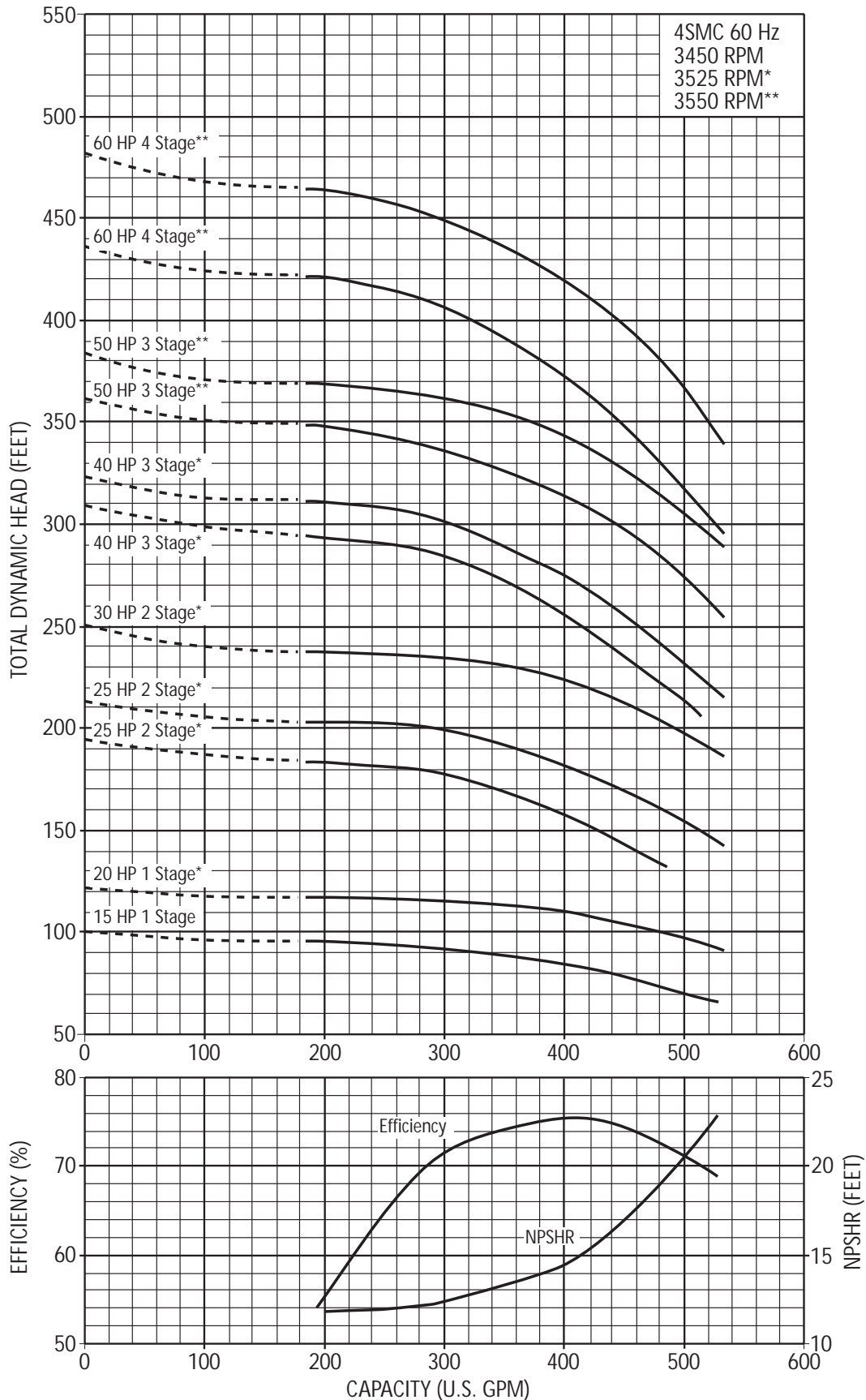
**ODP Motors**

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	15	44.81	29.50	15.31	7.93	10.18	10.00	429
1	254TC	20	44.81	29.50	15.31	7.93	10.18	10.00	448
2	256TC	25	55.32	35.88	19.44	8.92	11.63	10.00	531
2	284TSC	30	56.44	35.88	20.56	8.94	11.50	13.63	621
3	286TSC	40	65.26	42.26	23.00	12.21	13.25	13.63	730
3	286TSC	50	65.26	42.26	23.00	12.21	13.25	13.63	822
4	326TSC	60	71.14	48.64	22.50	12.21	13.75	13.63	880

**TEFC Motors**

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	15	46.50	29.50	17.00	8.05	10.62	10.00	502
1	256TC	20	51.47	29.50	21.97	10.04	12.94	10.00	523
2	284TSC	25	61.57	35.88	25.69	13.11	15.56	13.63	757
2	286TSC	30	61.57	35.88	25.69	13.11	15.56	13.63	789
3	286TSC	40	67.95	42.26	25.69	13.11	15.56	13.63	916
3	326TSC	50	70.05	42.26	27.79	14.12	17.35	13.63	1030
4	364TSC	60	79.18	48.64	30.54	14.95	19.25	13.63	1220

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.



**Model: 5SMC 60 Hz**  
**General Pump Description**

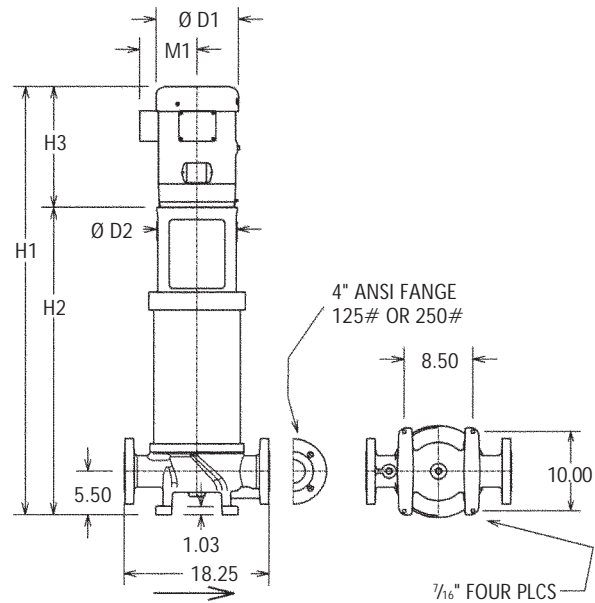
**Dimensions and Weights**  
 (All dimensions are in inches, weights are total unit weight.)

Construction: Cast iron bronze fitted  
 Capacity: 200 – 600 GPM  
 Head: 50 – 490 feet  
 Staging: 1–6  
 Minimum flow: 200 GPM  
 Maximum working pressure: 175 PSI with ANSI Class 125 flange (up to 5 stage)  
 400 PSI with ANSI Class 250 flange (6 stage)  
 Temperatures: Liquid temperature from -13°F (-25°C) to 250°F (121°C)  
 Solids handling: Although not recommended, the pump may pass a 1/2" solids.  
 Piping Connections: Suction and discharge openings are 4" with ANSI Class 125 or 250 flanges.

Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Siicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 Class 30
Bowl bearing	Carbon	
Impeller	Ductile iron	B536 Gr. 65-45-12
Impeller key	416 SS	A582 S41600
Thrust ring	416 SS	A582 S41600
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197

**Motors**

Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.



**ODP Motors**

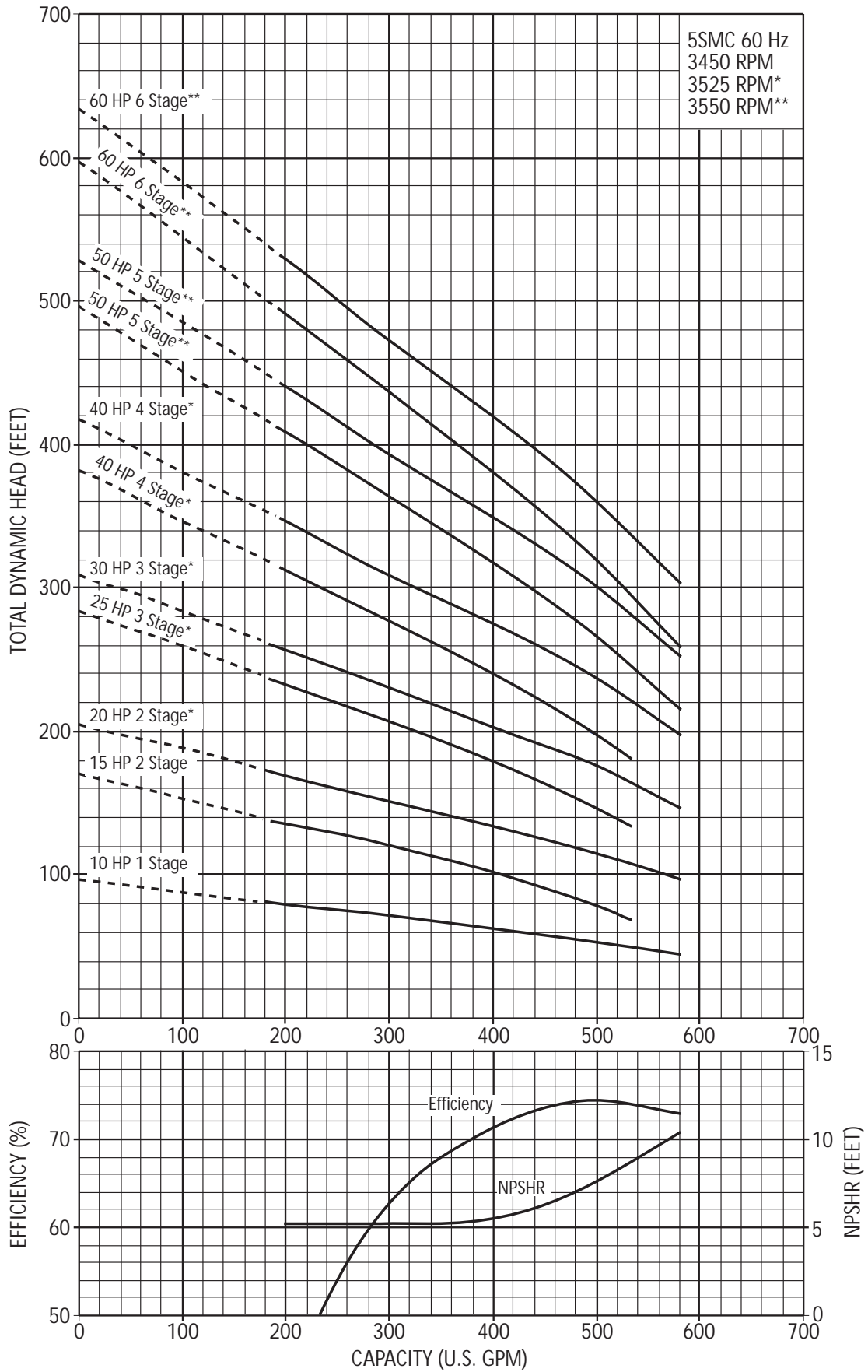
Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	213TC	10	45.49	30.18	15.30	7.93	10.18	10.00	422
2	215TC	15	52.58	37.27	15.31	7.93	10.18	10.00	495
2	254TC	20	52.58	37.27	15.31	7.93	10.18	10.00	514
3	256TC	25	63.80	44.36	19.44	8.92	11.63	13.63	602
3	284TSC	30	64.92	44.36	20.56	8.94	11.50	13.63	692
4	286TSC	40	74.45	51.45	23.00	12.21	13.25	13.63	807
5	286TSC	50	81.54	58.54	23.00	12.21	13.25	13.63	954
6	326TSC	60	88.13	65.63	22.50	12.21	13.75	13.63	1017

**TEFC Motors**

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	10	47.18	30.18	17.00	8.05	10.62	10.00	431
2	215TC	15	54.27	37.27	17.00	8.05	10.62	10.00	568
2	256TC	20	59.24	37.27	21.97	10.04	12.94	10.00	589
3	284TSC	25	70.05	44.36	25.69	13.11	15.56	10.00	828
3	286TSC	30	70.05	44.36	25.69	13.11	15.56	13.63	860
4	286TSC	40	77.14	51.45	25.69	13.11	15.56	13.63	993
5	326TSC	50	86.33	58.54	27.79	14.12	17.35	13.63	1162
6	364TSC	60	96.17	65.63	30.54	14.95	19.25	13.63	1357

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

# High Temperature



## Model: 6SMC 60 Hz General Pump Description

Construction:	Cast iron bronze fitted
Capacity:	200 – 800 GPM
Head:	50 – 350 feet
Staging:	1–4
Minimum flow:	200 GPM
Maximum working pressure:	175 PSI with ANSI Class 125 flange
Temperatures:	Liquid temperature from -13°F (-25°C) to 250°F (121°C)
Solids handling:	Although not recommended, the pump may pass a 1/2" solids.
Piping Connections:	Suction and discharge openings are 4" with ANSI Class 125 or 250 flanges.

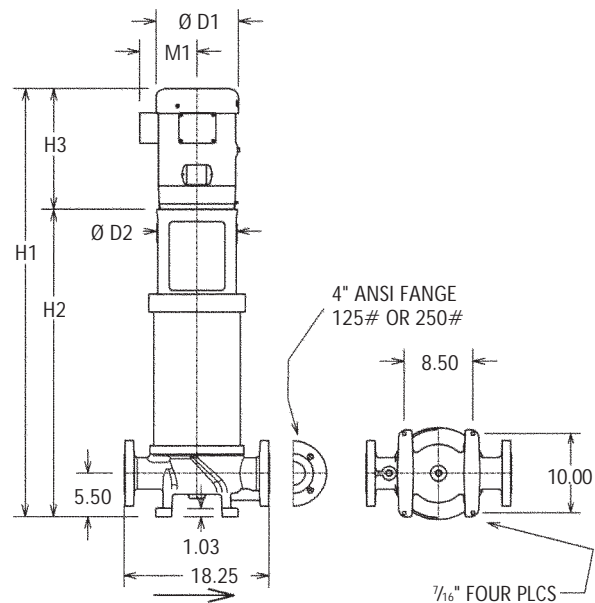
Component Description	Material	ASTM Spec.
Motor Support	Cast iron	A48 Class 30
Shaft coupling	Cast iron	A48 Class 30
Mechanical seal	Carbon Siicon carbide	
Casing	Steel	A53 Grade A
Casing o-ring	Nitrile	D2000 2BG715B14
Pump shaft	416 SS	A582 S41600
Intermediate bowl	Cast iron	A48 Class 30
Bowl bearing	Carbon	
Impeller	Ductile iron	B536 Gr. 65-45-12
Impeller key	416 SS	A582 S41600
Thrust ring	416 SS	A582 S41600
Suction cover	Cast iron	A48 Class 30
Pump body	Cast iron	A48 Class 30
Hex head capscrew	Steel	SAE J429 Gr. 8
Socket head capscrew	Steel	SAE J429 Gr. 8
Washer	Steel	A108 G10180
Pipe plug	Malleable iron	A197

## Motors

Standard motors supplied by Goulds are NEMA standard TC frame motors open drip proof, or totally enclosed fan cooled enclosures. 60 Hz, 2-pole, three phase with 1.15 S.F. For other motor options, contact the factory.

## Dimensions and Weights

(All dimensions are in inches, weights are total unit weight.)



### ODP Motors

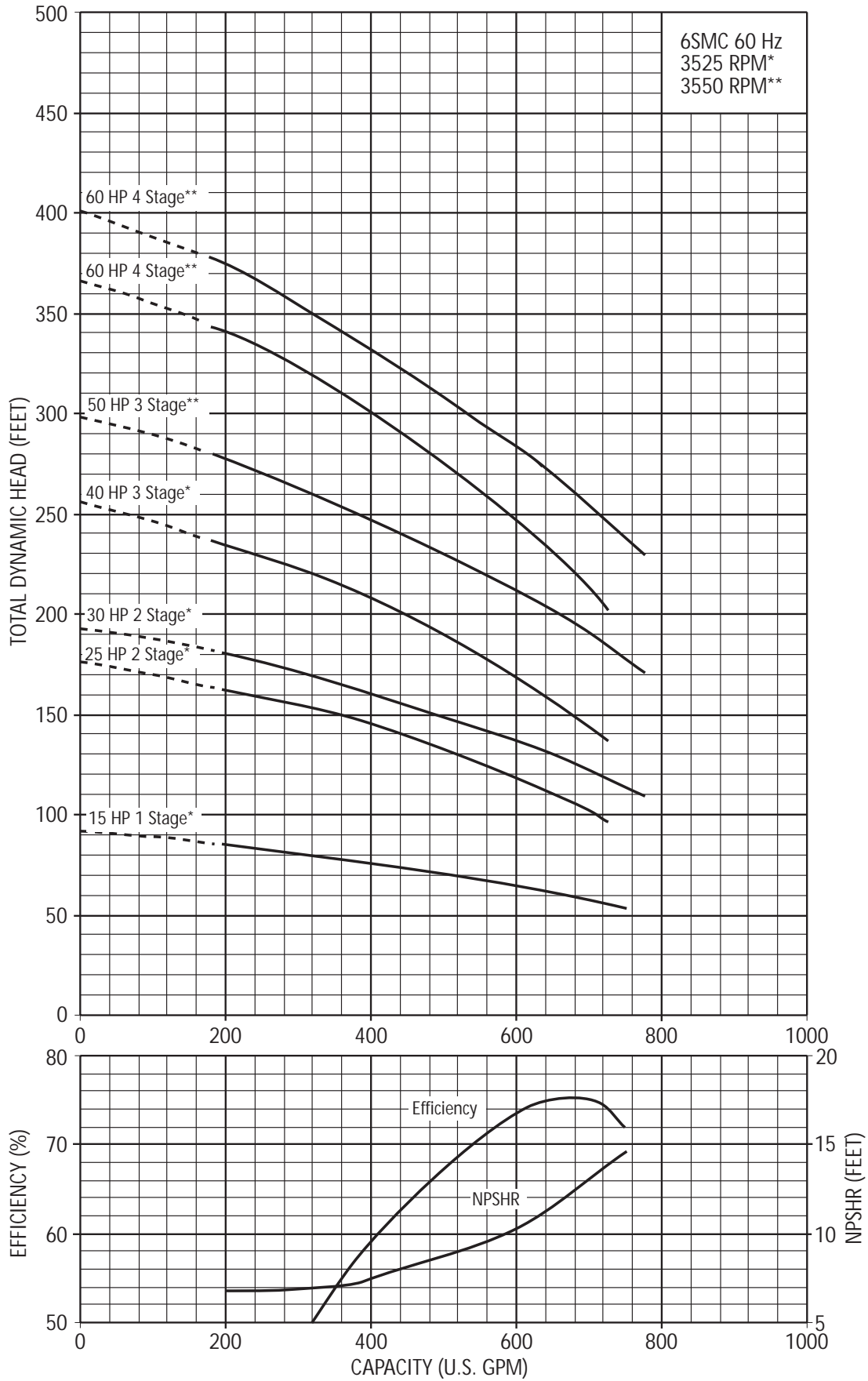
Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	15	45.49	30.18	15.31	7.93	10.18	10.00	440
2	256TC	25	56.71	37.27	19.44	8.92	11.63	10.00	547
	284TSC	30	57.83	37.27	20.56	8.94	11.50	13.63	604
3	286TSC	40	67.36	44.36	23.00	12.21	13.25	13.63	752
	286TSC	50	67.36	44.36	23.00	12.21	13.25	13.63	844
4	326TSC	60	73.95	51.45	22.50	12.21	13.75	13.63	907

### TEFC Motors

Stage	Motor		Dimensions (inches)						Wt. (lbs.)
	Frame	HP	H1	H2	H3	M1	D1	D2	
1	215TC	15	47.18	30.18	17.00	8.05	10.62	10.00	513
2	284TSC	25	62.96	37.27	25.69	13.11	15.56	13.63	773
	286TSC	30	62.96	37.27	25.69	13.11	15.56	13.63	805
3	286TSC	40	70.05	44.36	25.69	13.11	15.56	13.63	938
	326TSC	50	72.15	44.36	27.79	14.12	17.35	13.63	1052
4	364TSC	60	81.99	51.45	30.54	14.95	19.25	13.63	1247

Motor dimensions are based on Goulds Pumps' choice motors. Other manufacturer's motor may have different dimensions.

# High Temperature



Goulds Pumps and the ITT Engineered Blocks Symbol are registered trademarks and tradenames of ITT Industries.

© 2003 Goulds Pumps  
Printed in USA  
BSMVT

[www.goulds.com](http://www.goulds.com)

Goulds Pumps  
Turbine Operations  
Lubbock, Texas 79417

Goulds Pumps

---



ITT Industries