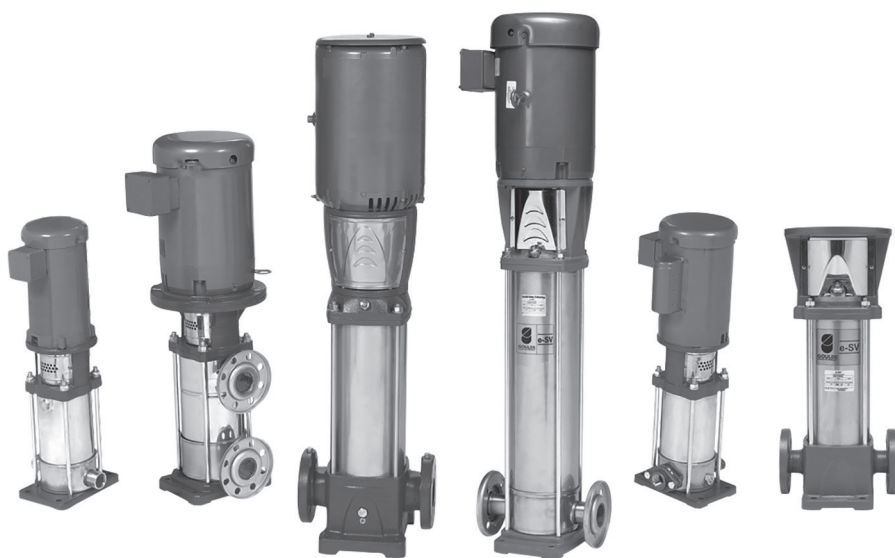




e-SV Low NPSH Technical Brochure

e-SV SERIES VERTICAL MULTISTAGE PUMPS

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Commercial Water

e-SV Multistage Pumps

Product Code for 1 - 22SV Liquid End Only

Each e-SV pump is identified by a product code on the pump label. Each digit in the code is described below. The product code is also the catalog number for the pump.

Note: Not all combinations are possible.

Example Product Code

22 SV 0 2 F E 3 0

Special Configurations (optional Characters)

A = Cooling Chamber only
 B = Cooling Chamber + Passivation
 C = Cooling Chamber + Low NPSH
 F = Destaged - 1 stage
 G = Destaged - 2 stage
 H = Horizontal mount only
 J = Horizontal mount + Passivation
 K = Horizontal mount + Low NPSH
 L = Horizontal mount + High Pressure
 M = i-Alert (standard for 10 HP units and greater)
 N = Low NPSH only
 P = Passivation only
 Z = High pressure only

Seal Material

0 = Carb-SilCar-Viton (Standard)
 1 = Carb-SilCar-AFLAS (HighTemp)
 2 = SilCar-SilCar-Viton
 4 = SilCar-SilCar-EPR
 6 = Carb-SilCar-EPR

Pole-Hz

1 = 2-50 3 = 2-60
 2 = 4-50 4 = 4-60

Motor Frame (NEMA)

A = 56C D = 250TC
 B = 180TC E = 280TC
 C = 210TC

Configuration

C = Clamp-316 P = Victaulic-316
 F = Round-304 (SVB) T = Oval-304 (SVA)
 G = CI-304
 N = Round-316 (SVD)

Top / Bottom
 R = (SVC) 12Suct-12Disch
 W = (SVC) 12Suct-03Disch
 X = (SVC) 12Suct-06Disch
 Y = (SVC) 12Suct-09Disch

Suction
discharge
location

Total Number of Impeller Stages (may be 1 or 2 characters)

Product Line:

SV - Stainless Vertical

Nominal Flow:

1 = 5 GPM 10 = 53 GPM
 3 = 16 GPM 15 = 80 GPM
 5 = 26 GPM 22 = 116 GPM

Commercial Water

e-SV Multistage Pumps

Product Code for 33 - 125SV Liquid End Only

Each e-SV pump is identified by a product code on the pump label. Each digit in the code is described below. The product code is also the catalog number for the pump.

Note: Not all combinations are possible.

Example Product Code

125 SV 8 1 2 B F E 2 0

Special Configurations (optional Characters)

F = Destaged - 1 stage (33 and 46 only)
 G = Destaged - 2 stage (33 and 46 only)
 H = Horizontal mount only
 J = Horizontal mount + Passivation
 K = Horizontal mount + Low NPSH (33, 46 and 66 only)
 L = Horizontal mount + High Pressure
 M = i-Alert (standard for 10 HP units and greater)
 N = Low NPSH only (33, 46 and 66 only)
 Z = High pressure (250/300# pump body)

Seal Material

0 = Carb-SilCar-Viton
 2 = SilCar-SilCar-Viton
 4 = SilCar-SilCar-EPR
 6 = Carb-SilCar-EPR
 7 = Carb-SilCar-Viton (Cart)
 8 = SilCar-SilCar-EPR (Cart)

Pole-Hz

1 = 2-50 3 = 2-60
 2 = 4-50 4 = 4-60

Motor Frame (NEMA)

B = 180TC E = 280TC
 C = 210TC F = 320TSC
 D = 250TC G = 360TSC

Configuration

G = Round-CI-304
 N = Round-316

125SV ONLY

Reduced Trim Diameter
Blank if 33-92SV

A = 141 mm

B = 136 mm

C = 145 mm (full dia.)

Number of Reduced Trim Impellers

Total Number of Impellers/Stages

Product Line: SV - Stainless Vertical

Nominal Flow:

33 = 175 GPM
 46 = 240 GPM
 66 = 350 GPM
 92 = 485 GPM
 125 = 660 GPM

Commercial Water

e-SV Multistage Pumps

Product Code for 1 - 22SV Pump & Motor Combination

Each e-SV pump is identified by a product code on the pump label. Each digit in the code is described below. The product code is also the catalog number for the pump.

Note: Not all combinations are possible.

Example Product Code

2 SV 2 2 F A 2 F 5 1 A H

Special Configurations (1 or 2 Characters)

- | | |
|------------------------------------|--|
| A = Cooling Chamber only | K = Horizontal mount + Low NPSH |
| B = Cooling Chamber + Passivation | L = Horizontal mount + High Pressure |
| C = Cooling Chamber + Low NPSH | M = i-Alert (standard for 10 HP units and greater) |
| F = Destaged - 1 stage | N = Low NPSH only |
| G = Destaged - 2 stage | P = Passivation only |
| H = Horizontal mount only | Z = High Press (250/300# pump body) |
| J = Horizontal mount + Passivation | |

Seal Material

- | | |
|----------------------------------|-----------------------|
| 0 = Carb-SilCar-Viton | 4 = SilCar-SilCar-EPR |
| 1 = Carb-SilCar-AFLAS (HighTemp) | 6 = Carb-SilCar-EPR |
| 2 = SilCar-SilCar-Viton | |

Motor Enclosure

- | | |
|-------------------|---------------|
| 1 = ODP | 7 = Prem-XP |
| 2 = TEFC | 8 = Prem-WD |
| 3 = X-Proof | 9 = Marine |
| 4 = WD - Tropical | A = Chem |
| 5 = Prem-ODP | B = Prem-Chem |
| 6 = Prem-TEFC | |

Voltage

- | | | |
|-----------------|-----------------|---------------------|
| A = 115-230 | H = 190/380 | R = 220 |
| B = 230 | J = 115/208-230 | S = 415 |
| C = 230-460 | K = 208 | T = 220/380 WYE |
| D = 460 | L = 208-230 | U = 380-660 WYE |
| E = 575 | M = 190/380/415 | V = 208-230/460 WYE |
| F = 208-230/460 | N = 380 | |
| G = 200 | P = 110/220 | |

Pole-Hz-Phase

- | | |
|------------|------------|
| 1 = 2-50-1 | 5 = 4-50-1 |
| 2 = 2-50-3 | 6 = 4-50-3 |
| 3 = 2-60-1 | 7 = 4-60-1 |
| 4 = 2-60-3 | 8 = 4-60-3 |

HP Rating

- | | |
|----------|---------|
| A = 0.50 | H = 7.5 |
| B = 0.75 | J = 10 |
| C = 1.00 | K = 15 |
| D = 1.50 | L = 20 |
| E = 2 | M = 25 |
| F = 3 | N = 30 |
| G = 5 | P = 40 |

Configuration OPTION

- | | | |
|---------------------|-----|----------------------|
| C = Clamp-316 | | |
| F = Round-304 (SVB) | R = | (SVC) 12Suct-12Disch |
| G = Cl-304 | W = | (SVC) 12Suct-03Disch |
| N = Round-316 (SVD) | X = | (SVC) 12Suct-06Disch |
| P = Victaulic-316 | Y = | (SVC) 12Suct-09Disch |
| T = Oval-304 (SVA) | | |
- Top / Bottom
- Suction
discharge
location

Total Number of Impeller Stages (may be 1 or 2 characters)

Product Line:

SV - Stainless Vertical

Nominal Flow:

- | | |
|------------|--------------|
| 1 = 5 GPM | 10 = 53 GPM |
| 3 = 16 GPM | 15 = 80 GPM |
| 5 = 26 GPM | 22 = 116 GPM |

Commercial Water

e-SV Multistage Pumps

Product Code for 33 - 125SV Pump & Motor Combination

Each e-SV pump is identified by a product code on the pump label. Each digit in the code is described below. The product code is also the catalog number for the pump.

Note: Not all combinations are possible.

Example Product Code

125 SV 8 2 A G K 3 F 2 0

Special Configurations (1 or 2 Characters)

- | | |
|---|--|
| F = Destaged - 1 stage (33 and 46 only) | L = Horizontal mount + High Pressure |
| G = Destaged - 2 stage (33 and 46 only) | M = i-Alert (standard for 10 HP units and greater) |
| H = Horizontal mount only | N = Low NPSH only (33, 46 and 66 only) |
| J = Horizontal mount + Passivation | P = Passivation only |
| K = Horizontal mount + Low NPSH | Z = High Press (250/300# pump body/Casing) |

Seal Material

- | | |
|-------------------------|------------------------------|
| 0 = Carb-SilCar-Viton | 6 = Carb-SilCar-EPR |
| 2 = SilCar-SilCar-Viton | 7 = Carb-SilCar-Viton (Cart) |
| 4 = SilCar-SilCar-EPR | 8 = SilCar-SilCar-EPR (Cart) |

Motor Enclosure

- | | | |
|-------------------|---------------|---------------|
| 1 = ODP | 5 = Prem-ODP | 9 = Marine |
| 2 = TEFC | 6 = Prem-TEFC | A = Chem |
| 3 = X-Proof | 7 = Prem-XP | B = Prem-Chem |
| 4 = WD - Tropical | 8 = Prem-WD | |

Voltage

- | | | |
|-----------------|-----------------|---------------------|
| A = 115-230 | H = 190/380 | R = 220 |
| B = 230 | J = 115/208-230 | S = 415 |
| C = 230-460 | K = 208 | T = 220/380 WYE |
| D = 460 | L = 208-230 | U = 380-660 WYE |
| E = 575 | M = 190/380/415 | V = 208-230/460 WYE |
| F = 208-230/460 | N = 380 | |
| G = 200 | P = 110/220 | |

Pole-Hz-Phase

- | | |
|------------|------------|
| 1 = 2-50-1 | 5 = 4-50-1 |
| 2 = 2-50-3 | 6 = 4-50-3 |
| 3 = 2-60-1 | 7 = 4-60-1 |
| 4 = 2-60-3 | 8 = 4-60-3 |

HP Rating

- | | |
|---------|--------|
| F = 3 | M = 25 |
| G = 5 | N = 30 |
| H = 7.5 | P = 40 |
| J = 10 | R = 50 |
| K = 15 | S = 60 |
| L = 20 | T = 75 |

Configuration

- G = Round-CI-304
N = Round-316

125SV ONLY

Reduced Trim Diameter
Blank if 33-92SV

A = 141 mm B = 136 mm C = 145 mm (full dia.)

Number of Reduced Trin Impeller

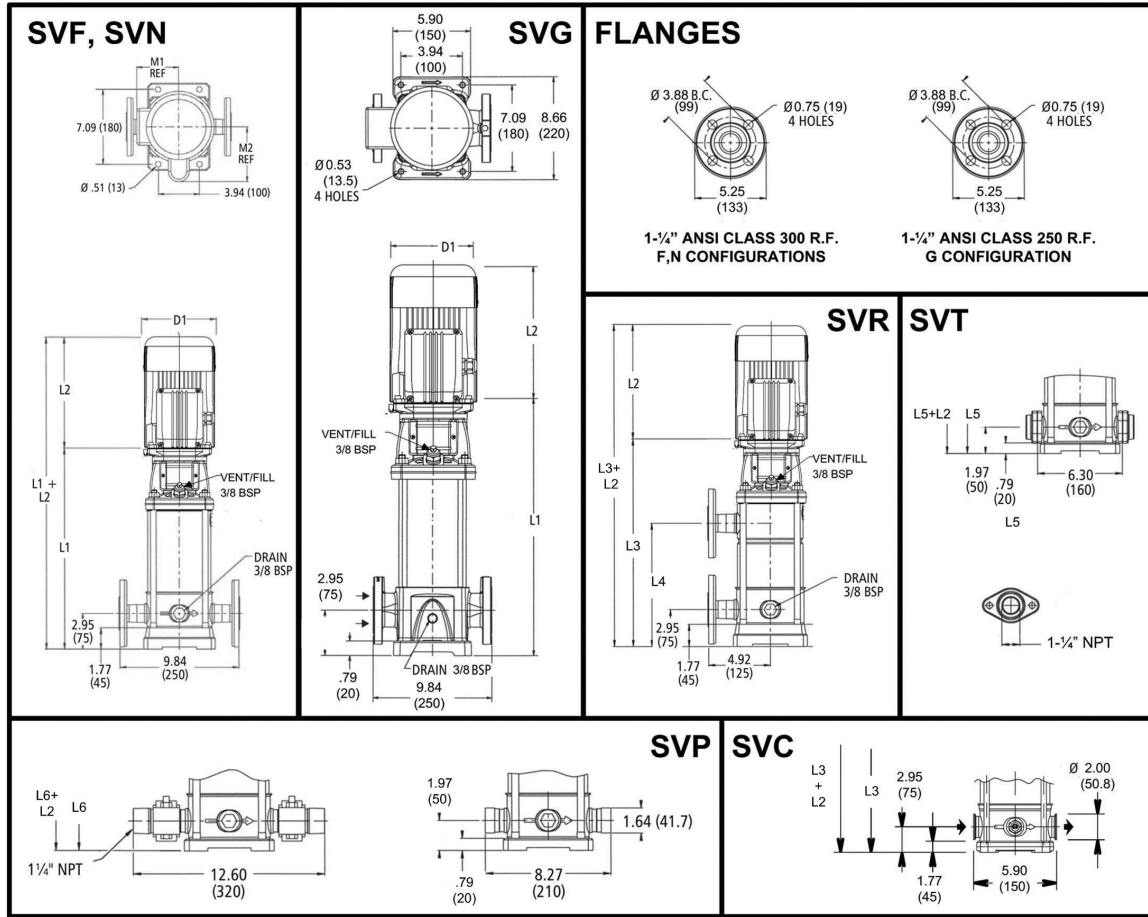
Total Number of Impeller Stages (may be 1 or 2 characters)

Product Line:

SV - Stainless Vertical

Nominal Flow:

- | | |
|--------------|---------------|
| 33 = 175 GPM | 92 = 485 GPM |
| 46 = 240 GPM | 125 = 660 GPM |
| 66 = 350 GPM | |



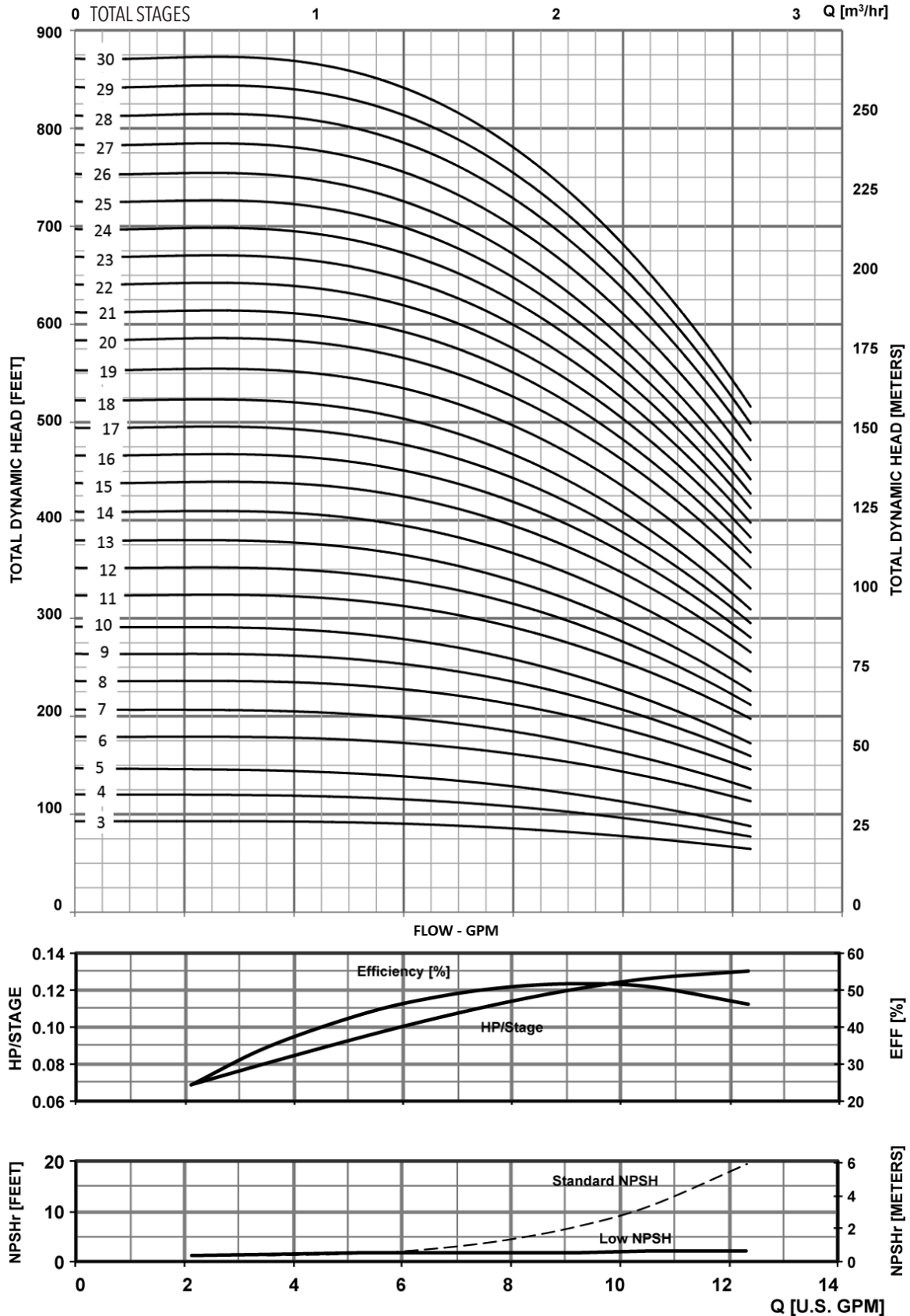
PUMP DIMENSIONS AND WEIGHTS - 1SV SERIES – 60Hz, 3500 RPM ODP/TEFC Enclosures

Pump Type Stages	Motor				Dimensions (in)														Weight (lbs.)											
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump Only	Motor				Pump/Motor				
		ODP 10	TEFC 10	ODP 30	TEFC 30		ODP 10	TEFC 10	ODP 30	TEFC 30						ODP 10	TEFC 10	ODP 30	TEFC 30			ODP 10	TEFC 10	ODP 30	TEFC 30	ODP 10	TEFC 10	ODP 30	TEFC 30	
1SV-02	0.5	56C				13.27	9.16	9.29	9.16	9.29	-	-	12.29	12.29	5.19	6.19	6.19	6.19	6.19	4.13	25	21	21	19	19	46	46	44	44	
1SV-03						13.27	9.16	9.29	9.16	9.29	-	-	12.29	12.29	5.19	6.19	6.19	6.19	6.19	4.13	26	21	21	19	19	47	47	45	45	
1SV-04						14.06	9.16	9.29	9.16	9.29	-	-	13.07	13.07	5.19	6.19	6.19	6.19	6.19	4.13	27	21	21	19	19	48	48	46	46	
1SV-05	0.75					14.85	10.79	9.91	9.16	9.29	-	-	13.86	13.86	5.19	6.19	6.19	6.19	6.19	4.13	28	27	29	21	21	55	57	49	49	
1SV-06						15.63	10.79	9.91	9.16	9.29	-	-	14.65	14.65	5.19	6.19	6.19	6.19	6.19	4.13	28	27	29	21	21	55	57	49	49	
1SV-07						16.42	10.66	11.19	9.16	9.29	-	-	15.44	15.44	5.74	6.19	7.19	6.19	6.19	4.13	29	32	40	23	23	61	69	52	52	
1SV-08	1					17.21	10.66	11.19	9.16	9.29	17.21	8.94	16.22	16.22	5.74	6.19	7.19	6.19	6.19	4.13	30	32	40	23	23	62	70	53	53	
1SV-09						18.00	10.66	11.19	9.16	9.29	18.00	9.72	17.01	17.01	5.74	6.19	7.19	6.19	6.19	4.13	31	32	40	23	23	63	71	54	54	
1SV-10						18.78	10.67	11.19	10.66	9.91	18.78	10.51	17.80	17.80	5.74	6.19	7.19	6.19	6.19	4.72	32	32	40	30	28	64	72	62	60	
1SV-11	1.5					19.57	10.67	11.19	10.66	9.91	19.57	11.30	18.59	18.59	5.74	6.19	7.19	6.19	6.19	4.72	33	32	40	30	28	65	73	63	61	
1SV-12						20.36	10.67	11.19	10.66	9.91	20.36	12.09	19.37	19.37	5.74	6.19	7.19	6.19	6.19	4.72	34	32	40	30	28	66	74	64	62	
1SV-13						21.14	10.67	11.19	10.66	9.91	21.14	12.87	20.16	20.16	5.74	6.19	7.19	6.19	6.19	4.72	35	32	40	30	28	67	75	65	63	
1SV-14	2					21.93	10.67	11.19	10.66	9.91	21.93	13.66	20.95	20.95	5.74	6.19	7.19	6.19	6.19	4.72	36	32	40	30	28	68	76	66	64	
1SV-15						22.72	11.18	12.06	11.16	10.79	22.72	14.45	21.74	21.74	5.74	7.19	7.19	6.19	6.19	4.72	37	43	51	32	33	80	88	69	70	
1SV-16						23.51	11.18	12.06	11.16	10.79	23.51	15.24	22.52	22.52	5.74	7.19	7.19	6.19	6.19	4.72	38	43	51	32	33	81	89	70	71	
1SV-17	3					24.29	11.18	12.06	11.16	10.79	24.29	16.02	23.31	23.31	5.74	7.19	7.19	6.19	6.19	4.72	38	43	51	32	33	81	89	70	71	
1SV-18						25.08	11.18	12.06	11.16	10.79	25.08	16.81	24.10	24.10	5.74	7.19	7.19	6.19	6.19	4.72	39	43	51	32	33	82	90	71	72	
1SV-19						25.87	11.18	12.06	11.16	10.79	25.87	17.60	-	24.89	5.74	7.19	7.19	6.19	6.19	4.72	40	43	51	32	33	83	91	72	73	
1SV-20	4					26.66	11.57	13.44	11.18	11.16	26.66	18.39	-	25.67	5.75	6.50	7.19	7.16	7.19	5.51	41	49	64	41	44	90	105	82	85	
1SV-21						27.44	11.57	13.44	11.18	11.16	27.44	19.17	-	26.46	5.75	6.50	7.19	7.16	7.19	5.51	42	49	64	41	44	91	106	83	86	
1SV-22						28.23	11.57	13.44	11.18	11.16	28.23	19.96	-	27.25	5.75	6.50	7.19	7.16	7.19	5.51	43	49	64	41	44	92	107	84	87	
1SV-23	5					29.02	11.57	13.44	11.18	11.16	29.02	20.75	-	28.03	5.75	6.50	7.19	7.16	7.19	5.51	45	49	64	41	44	94	109	86	89	
1SV-24						29.81	11.57	13.44	11.18	11.16	29.81	21.54	-	28.82	5.75	6.50	7.19	7.16	7.19	5.51	46	49	64	41	44	95	110	87	90	
1SV-25						30.59	11.57	13.44	11.18	11.16	30.59	22.32	-	29.61	5.75	6.50	7.19	7.16	7.19	5.51	47	49	64	41	44	96	111	88	91	
1SV-26	6					31.38	11.57	13.44	11.18	11.16	31.38	23.11	-	30.40	5.75	6.50	7.19	7.16	7.19	5.51	47	49	64	41	44	96	111	88	91	
1SV-27						32.17	11.57	13.44	11.18	11.16	32.17	23.90	-	31.18	5.75	6.50	7.19	7.16	7.19	5.51	48	49	64	41	44	97	112	89	92	
1SV-28						32.96	11.57	13.44	11.18	11.16	32.96	24.68	-	31.97	5.75	6.50	7.19	7.16	7.19	5.51	49	49	64	41	44	98	113	90	93	
1SV-29	7					34.14	11.57	13.44	11.18	11.16	34.14	25.47	-	33.15	5.75	6.50	7.19	7.16	7.19	5.51	50	49	64	41	44	99	114	91	94	
1SV-30		184TC	182TC	184TC	35.23	13.93	15.43	12.55	13.93	-	-	-	34.25	6.87	8.88	8.86	9.02	8.86	5.51	53	81	92	62	69	134	145	115	122		

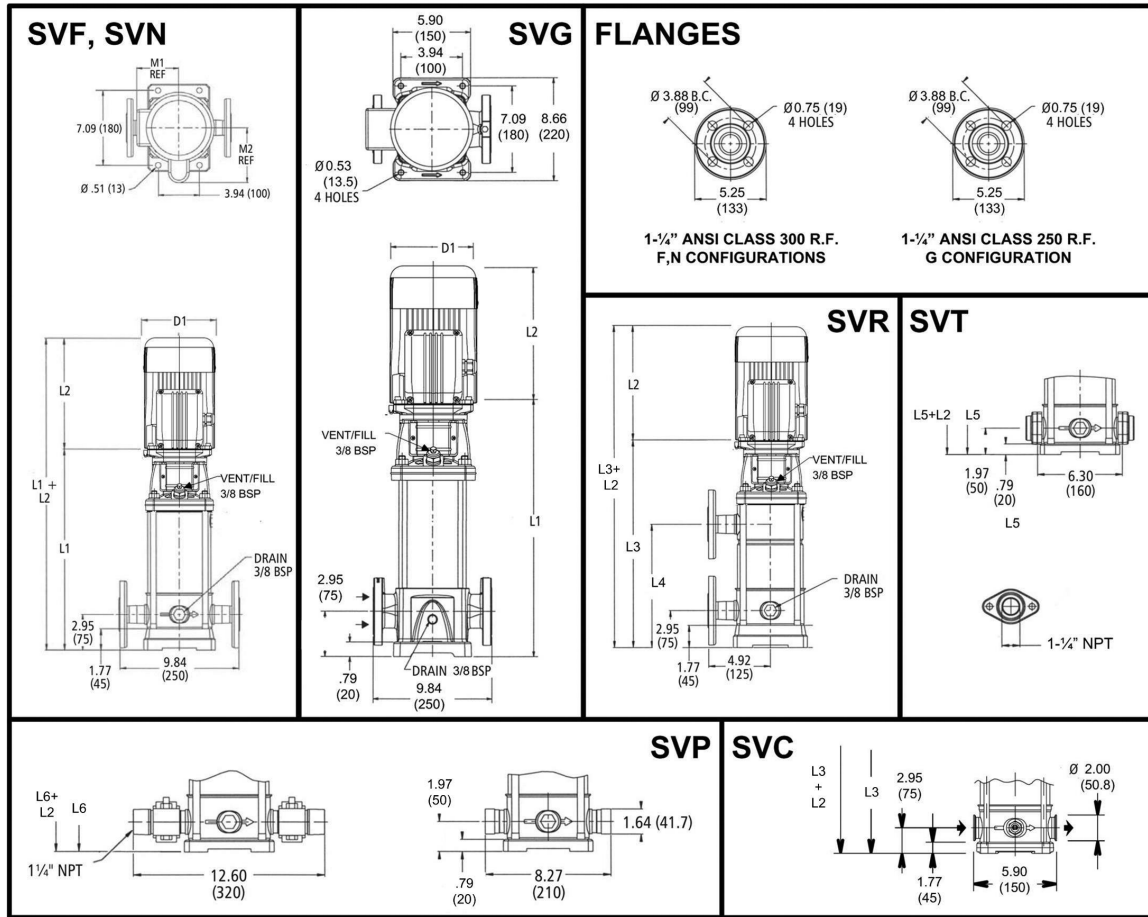
Performance Curve

1SV 60 Hz 3500 RPM

LOW NPSH CURVE



MINIMUM FLOW RATE: 2 GPM [$\frac{1}{2}$ m³/hr]



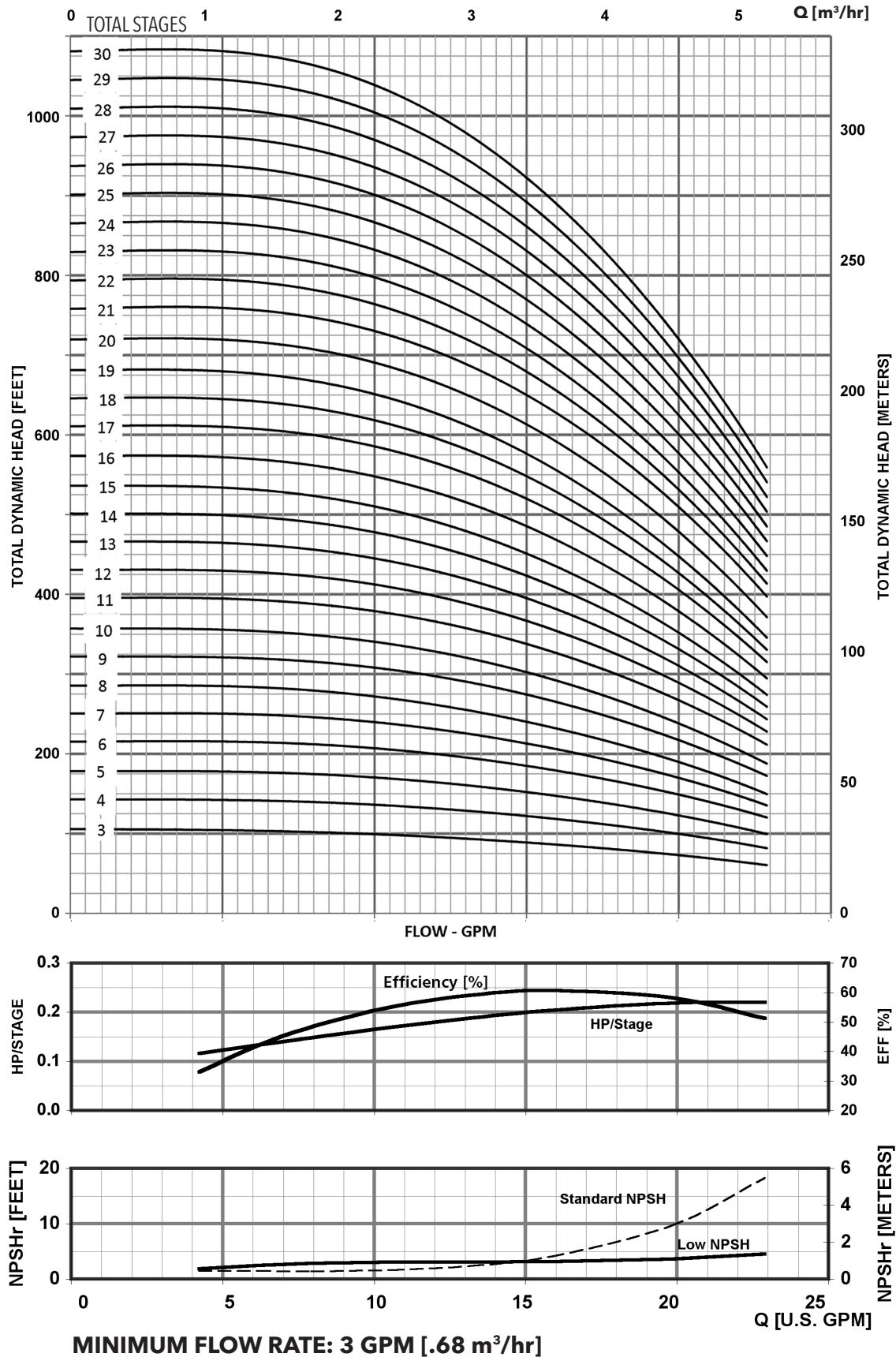
PUMP DIMENSIONS AND WEIGHTS - 3SV SERIES – 60Hz, 3500 RPM ODP/TEFC Enclosures

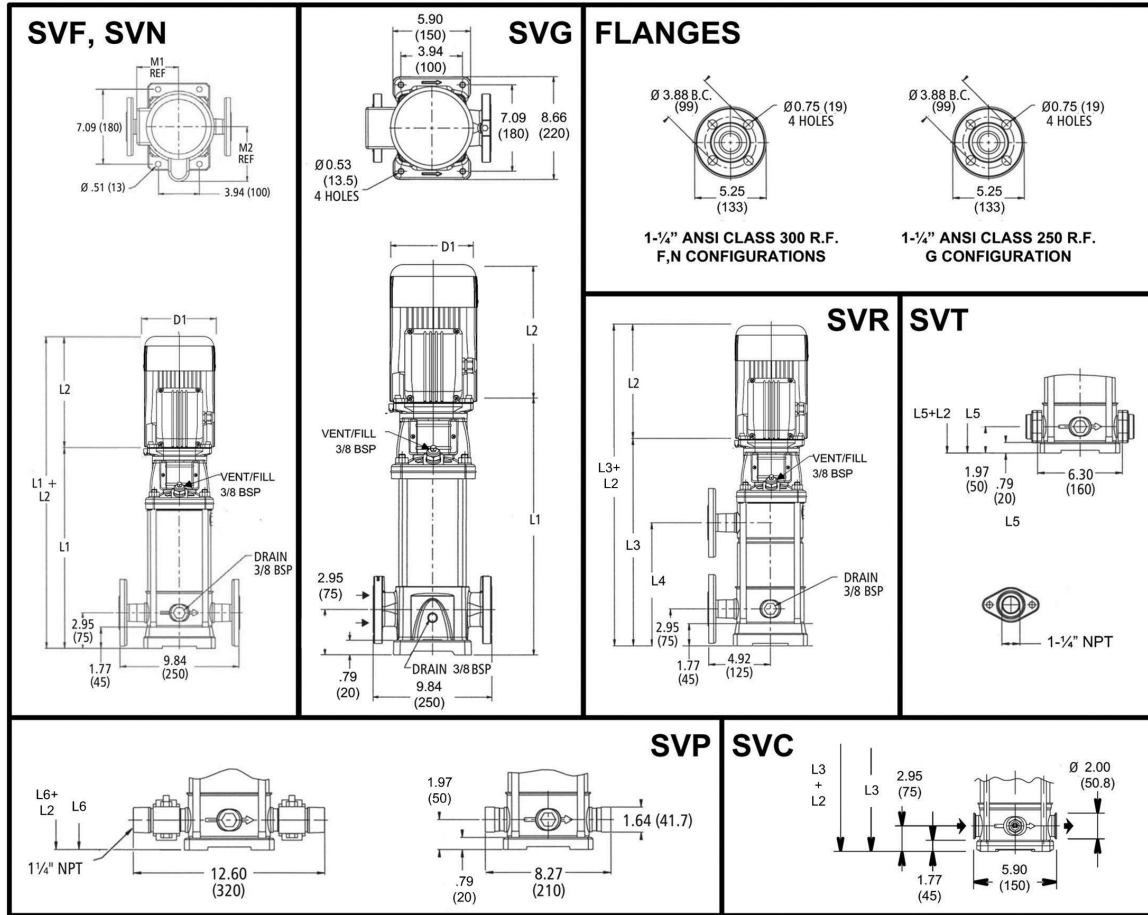
Pump Type Stages	Motor				Dimensions (in)														Weight (lbs.)													
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump	Motor				Pump/Motor						
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø						ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			
3SV-03	0.75	56C				13.27	10.79	9.91	9.16	9.29	-	-	12.29	12.29	5.19	6.19	6.19	6.19	6.19	4.13	25	27	29	21	21	52	54	46	46			
3SV-04	1					14.06	10.66	11.19	9.16	9.29	-	-	13.07	13.07	5.74	6.19	7.19	6.19	6.19	4.13	26	32	40	23	23	58	66	49	49			
3SV-05	1.5					14.85	10.66	11.19	9.16	9.29	-	-	13.86	13.86	5.74	6.19	7.19	6.19	6.19	4.13	27	32	40	23	23	59	67	50	50			
3SV-06						15.63	10.67	11.19	10.66	9.91	-	-	14.65	14.65	5.74	6.19	7.19	6.19	6.19	4.72	28	32	40	30	28	60	68	58	56			
3SV-07						16.42	10.67	11.19	10.66	9.91	-	-	15.44	15.44	5.74	6.19	7.19	6.19	6.19	4.72	30	32	40	30	28	62	70	60	58			
3SV-08						2	17.21	11.18	12.06	11.16	10.79	17.21	8.94	16.22	16.22	5.74	7.19	7.19	6.19	6.19	4.72	31	43	51	32	33	74	82	63	64		
3SV-09	18.00						11.18	12.06	11.16	10.79	18.00	9.72	17.01	17.01	5.74	7.19	7.19	6.19	6.19	4.72	32	43	51	32	33	75	83	64	65			
3SV-10	18.78						11.18	12.06	11.16	10.79	18.78	10.51	17.80	17.80	5.74	7.19	7.19	6.19	6.19	4.72	33	43	51	32	33	76	84	65	66			
3SV-11	19.57						11.57	13.44	11.18	11.16	19.57	11.30	18.59	18.59	5.75	6.50	7.19	7.16	7.19	5.51	34	49	64	41	44	83	98	75	78			
3SV-12	3					20.36	11.57	13.44	11.18	11.16	20.36	12.09	19.37	19.37	5.75	6.50	7.19	7.16	7.19	5.51	35	49	64	41	44	84	99	76	79			
3SV-13						21.14	11.57	13.44	11.18	11.16	21.14	12.87	20.16	20.16	5.75	6.50	7.19	7.16	7.19	5.51	36	49	64	41	44	85	100	77	80			
3SV-14						21.93	11.57	13.44	11.18	11.16	21.93	13.66	20.95	20.95	5.75	6.50	7.19	7.16	7.19	5.51	37	49	64	41	44	86	101	78	81			
3SV-15						22.72	11.57	13.44	11.18	11.16	22.72	14.45	-	21.74	5.75	6.50	7.19	7.16	7.19	5.51	38	49	64	41	44	87	102	79	82			
3SV-16						23.51	11.57	13.44	11.18	11.16	23.51	15.24	-	22.52	5.75	6.50	7.19	7.16	7.19	5.51	39	49	64	41	44	88	103	80	83			
3SV-17						5	184TC	182TC	184TC	24.99	13.93	15.43	12.55	13.93	24.99	16.02	-	24.01	6.87	8.88	8.86	9.02	8.86	5.51	42	81	92	62	69	123	134	104
3SV-18	25.78									13.93	15.43	12.55	13.93	25.78	16.81	-	24.80	6.87	8.88	8.86	9.02	8.86	5.51	43	81	92	62	69	124	135	105	112
3SV-19	26.57	13.93	15.43	12.55	13.93					26.57	17.60	-	25.59	6.87	8.88	8.86	9.02	8.86	5.51	43	81	92	62	69	124	135	105	112				
3SV-20	27.36	13.93	15.43	12.55	13.93					27.36	18.39	-	26.37	6.87	8.88	8.86	9.02	8.86	5.51	44	81	92	62	69	125	136	106	113				
3SV-21	28.14	13.93	15.43	12.55	13.93					28.14	19.17	-	27.16	6.87	8.88	8.86	9.02	8.86	5.51	45	81	92	62	69	126	137	107	114				
3SV-22	28.93	13.93	15.43	12.55	13.93					28.93	19.96	-	27.95	6.87	8.88	8.86	9.02	8.86	5.51	46	81	92	62	69	127	138	108	115				
3SV-23	29.72	13.93	15.43	12.55	13.93					29.72	20.75	-	28.73	6.87	8.88	8.86	9.02	8.86	5.51	47	81	92	62	69	128	139	109	116				
3SV-24	30.51	13.93	15.43	12.55	13.93					-	-	-	29.52	6.87	8.88	8.86	9.02	8.86	5.51	48	81	92	62	69	129	140	110	117				
3SV-25	31.29	13.93	15.43	12.55	13.93					-	-	-	30.31	6.87	8.88	8.86	9.02	8.86	5.51	49	81	92	62	69	130	141	111	118				
3SV-26	32.08	13.93	15.43	12.55	13.93					-	-	-	31.10	6.87	8.88	8.86	9.02	8.86	5.51	50	81	92	62	69	131	142	112	119				
3SV-27	7.5	213TC	184TC	32.47	13.93					15.43	12.55	13.93	-	-	-	31.49	6.87	8.88	8.86	9.02	8.86	5.51	52	81	92	62	69	133	144	114	121	
3SV-28				33.26	13.88					15.53	13.93	15.43	-	-	-	32.28	8.05	8.89	10.62	8.88	8.86	5.51	53	100	120	75	85	153	173	128	138	
3SV-29				34.44	13.88	15.53	13.93	15.43	-	-	-	33.46	8.05	8.89	10.62	8.88	8.86	5.51	54	100	120	75	85	154	174	129	139					
3SV-30				35.23	13.88	15.53	13.93	15.43	-	-	-	34.25	8.05	8.89	10.62	8.88	8.86	5.51	55	100	120	75	85	155	175	130	140					

Performance Curve

3SV 60 Hz 3500 RPM

LOW NPSH CURVE





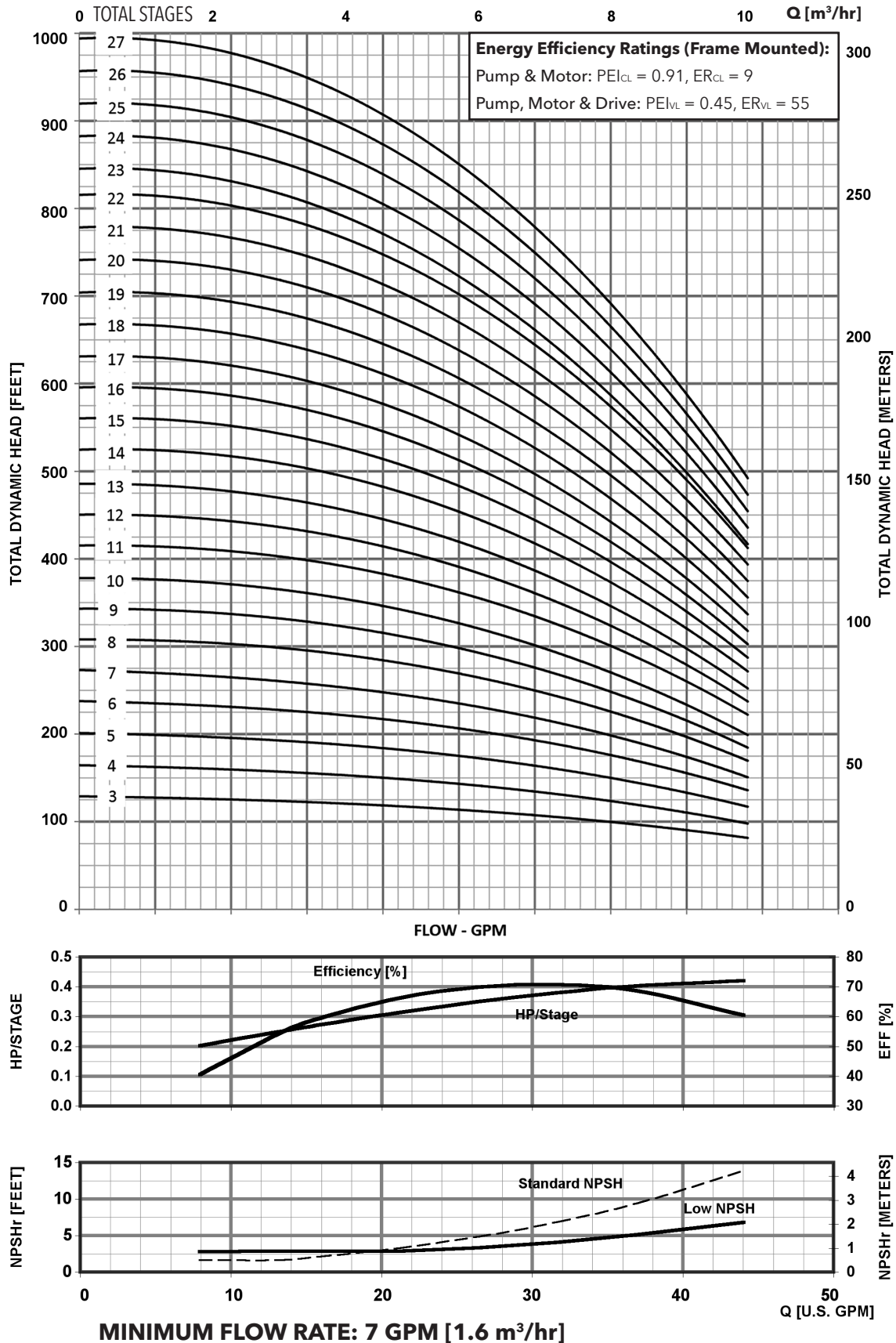
PUMP DIMENSIONS AND WEIGHTS - 5SV SERIES – 60Hz, 3500 RPM ODP/TEFC Enclosures

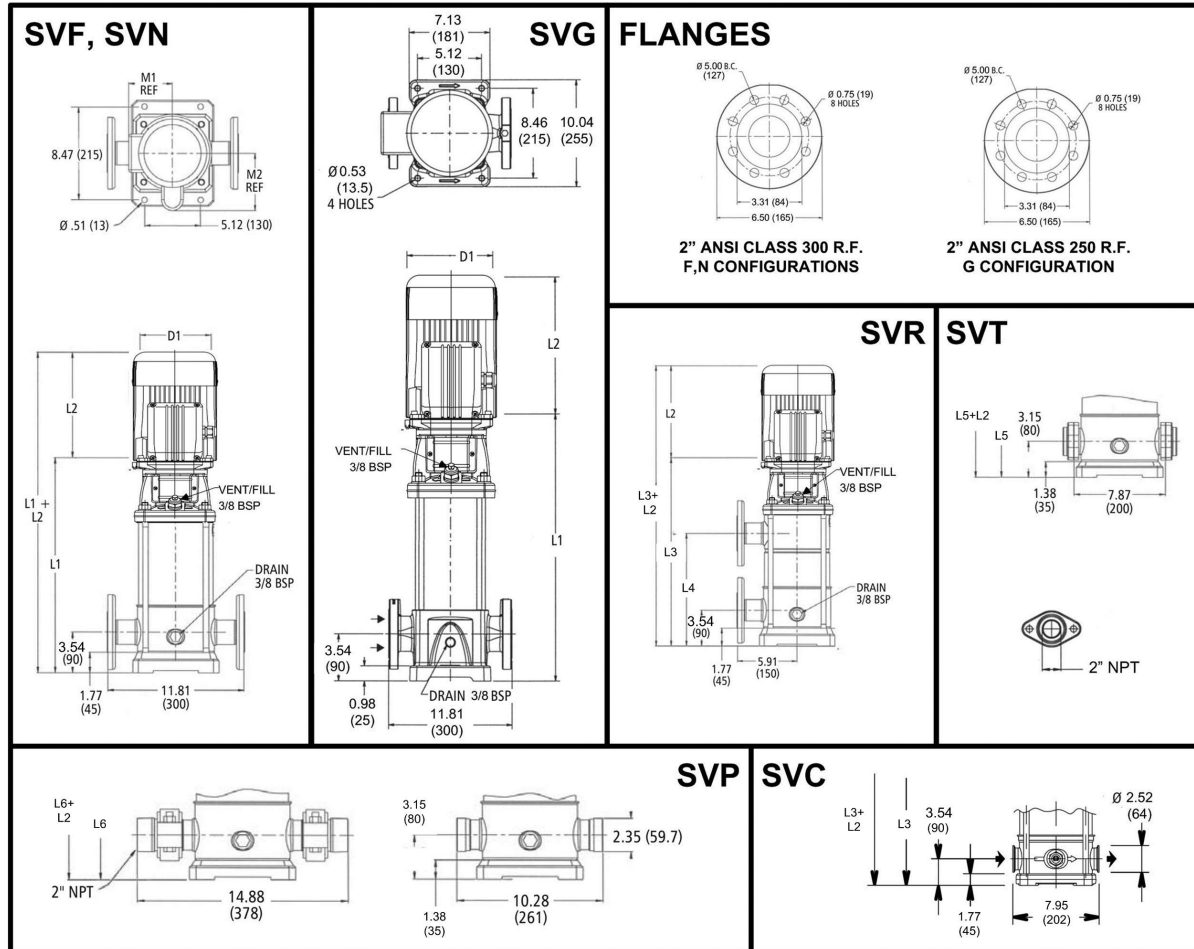
Pump Type Stages	Motor					Dimensions (in)															Weight (lbs.)									
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump	Motor				Pump/Motor				
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø						ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	
5SV-02	1	56C				13.86	10.66	11.19	9.16	9.29	-	-	12.88	12.88	5.74	6.19	7.19	6.19	6.19	4.13	25	32	40	23	23	57	65	48	48	
5SV-03	1.5					13.86	10.67	11.19	10.66	9.91	-	-	12.88	12.88	5.74	6.19	7.19	6.19	6.19	4.72	26	32	40	30	28	58	66	56	54	
5SV-04	2					14.85	10.67	11.19	10.66	9.91	-	-	13.86	13.86	5.74	6.19	7.19	6.19	6.19	4.72	28	32	40	30	28	60	68	58	56	
5SV-05	3					15.83	11.18	12.06	11.16	10.79	-	-	14.85	14.85	5.74	7.19	7.19	6.19	6.19	4.72	29	43	51	32	33	72	80	61	62	
5SV-06	3					16.81	11.57	13.44	11.18	11.16	-	-	15.83	15.83	5.75	6.50	7.19	7.16	7.19	5.51	30	49	64	41	44	79	94	71	74	
5SV-07	3					17.80	11.57	13.44	11.18	11.16	17.80	9.53	16.81	16.81	5.75	6.50	7.19	7.16	7.19	5.51	31	49	64	41	44	80	95	72	75	
5SV-08	3					18.78	11.57	13.44	11.18	11.16	18.78	10.51	17.80	17.80	5.75	6.50	7.19	7.16	7.19	5.51	33	49	64	41	44	82	97	74	77	
5SV-09	3					19.77	11.57	13.44	11.18	11.16	19.77	11.50	18.78	18.78	5.75	6.50	7.19	7.16	7.19	5.51	33	49	64	41	44	82	97	74	77	
5SV-10	5	184TC	182TC	184TC	21.45	13.93	15.43	12.55	13.93	21.45	12.48	20.47	20.47	6.87	8.88	8.86	9.02	8.86	5.51	36	81	92	62	69	117	128	98	105		
5SV-11					22.44	13.93	15.43	12.55	13.93	22.44	13.46	21.45	21.45	6.87	8.88	8.86	9.02	8.86	5.51	37	81	92	62	69	118	129	99	106		
5SV-12					23.42	13.93	15.43	12.55	13.93	23.42	14.45	22.44	22.44	6.87	8.88	8.86	9.02	8.86	5.51	38	81	92	62	69	119	130	100	107		
5SV-13					24.40	13.93	15.43	12.55	13.93	24.40	15.43	23.42	23.42	6.87	8.88	8.86	9.02	8.86	5.51	40	81	92	62	69	121	132	102	109		
5SV-14					25.39	13.93	15.43	12.55	13.93	25.39	16.42	24.40	24.40	6.87	8.88	8.86	9.02	8.86	5.51	40	81	92	62	69	121	132	102	109		
5SV-15					26.37	13.93	15.43	12.55	13.93	26.37	17.40	-	25.39	6.87	8.88	8.86	9.02	8.86	5.51	41	81	92	62	69	122	133	103	110		
5SV-16					27.36	13.93	15.43	12.55	13.93	27.36	18.39	-	26.37	6.87	8.88	8.86	9.02	8.86	5.51	43	81	92	62	69	124	135	105	112		
5SV-17					7.5	213TC	184TC	184TC	28.54	13.88	15.53	13.93	15.43	28.54	19.37	-	27.55	8.05	8.89	10.62	8.88	8.86	5.51	45	100	120	75	85	145	165
5SV-18	29.33	13.88	15.53	13.93	15.43				29.33	20.35	-	28.34	8.05	8.89	10.62	8.88	8.86	5.51	46	100	120	75	85	146	166	121	131			
5SV-19	30.51	13.88	15.53	13.93	15.43				30.51	21.34	-	29.52	8.05	8.89	10.62	8.88	8.86	5.51	47	100	120	75	85	147	167	122	132			
5SV-20	31.69	13.88	15.53	13.93	15.43				31.69	22.32	-	30.70	8.05	8.89	10.62	8.88	8.86	5.51	48	100	120	75	85	148	168	123	133			
5SV-21	32.28	13.88	15.53	13.93	15.43				32.28	23.31	-	31.29	8.05	8.89	10.62	8.88	8.86	5.51	49	100	120	75	85	149	169	124	134			
5SV-22	33.34	13.88	15.53	13.93	15.43				33.34	24.29	-	32.36	8.05	8.89	10.62	8.88	8.86	5.51	50	100	120	75	85	150	170	125	135			
5SV-23	34.25	13.88	15.53	13.93	15.43				34.25	25.28	-	33.26	8.05	8.89	10.62	8.88	8.86	5.51	51	100	120	75	85	151	171	126	136			
5SV-24	35.31	13.88	15.53	13.93	15.43				-	-	-	34.33	8.05	8.89	10.62	8.88	8.86	5.51	53	100	120	75	85	153	173	128	138			
5SV-25	10	215TC	213TC	215TC	36.79	16.63	16.68	15.55	15.51	-	-	-	35.81	8.77	10.62	10.18	10.18	10.28	5.51	60	132	145	107	122	192	205	167	182		
5SV-26					37.86	16.63	16.68	15.55	15.51	-	-	-	36.87	8.77	10.62	10.18	10.18	10.28	5.51	61	132	145	107	122	193	206	168	183		
5SV-27					38.84	16.63	16.68	15.55	15.51	-	-	-	37.86	8.77	10.62	10.18	10.18	10.28	5.51	62	132	145	107	122	194	207	169	184		

Performance Curve

5SV 60 Hz 3500 RPM

LOW NPSH CURVE





All dimensions are in inches (mm).

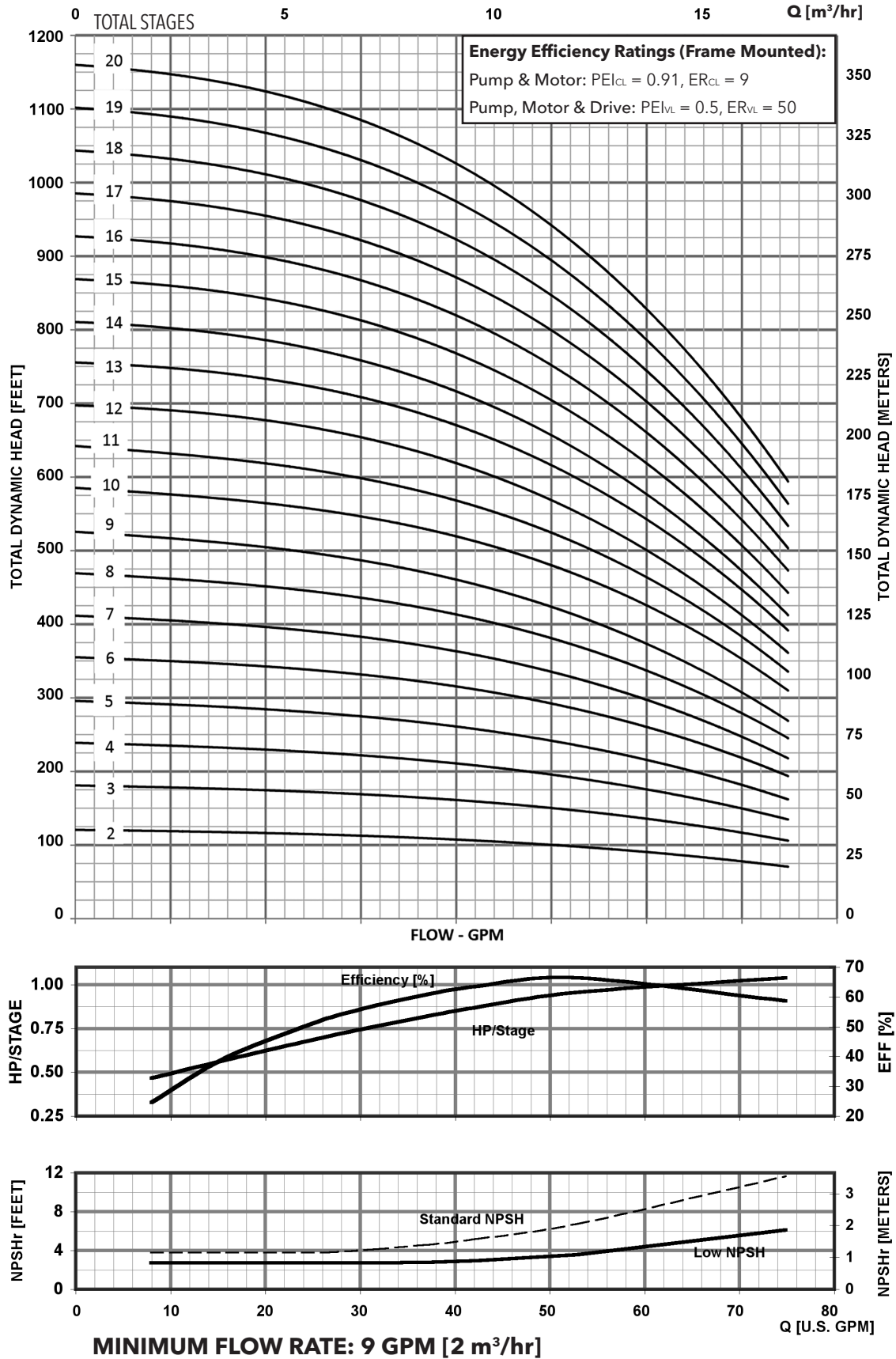
PUMP DIMENSIONS AND WEIGHTS - 10SV SERIES – 60Hz, 3500 RPM ODP/TEFC Enclosures

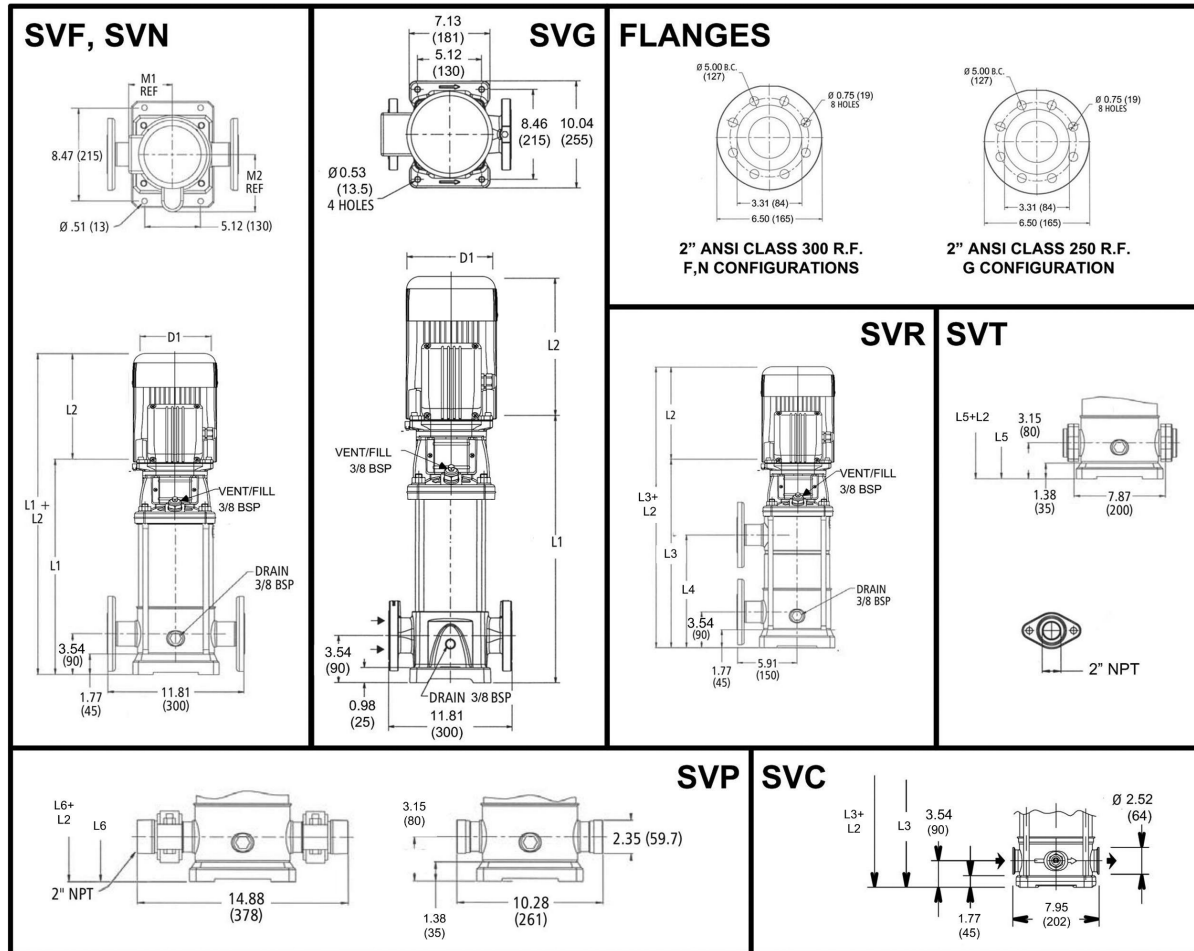
Pump Type Stages	Motor					Dimensions (in)															Weight (lbs.)									
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump	Motor				Pump/Motor				
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø						ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø
10SV-02	5	184TC	182TC	184TC	17.06	13.93	15.43	12.55	13.93	-	-	16.67	16.67	6.87	8.88	8.86	9.02	8.86	5.51	41	81	92	62	69	122	133	103	110		
10SV-03					18.32	13.93	15.43	12.55	13.93	-	-	17.93	17.93	6.87	8.88	8.86	9.02	8.86	5.51	43	81	92	62	69	124	135	105	112		
10SV-04					19.58	13.93	15.43	12.55	13.93	-	-	19.19	19.19	6.87	8.88	8.86	9.02	8.86	5.51	46	81	92	62	69	127	138	108	115		
10SV-05					20.84	13.88	15.53	13.93	15.43	20.84	10.20	20.45	20.45	8.05	8.89	10.62	8.88	8.86	5.51	48	100	120	75	85	148	168	123	133		
10SV-06	7.5	213TC	184TC		22.10	13.88	15.53	13.93	15.43	22.10	11.46	21.71	21.71	8.05	8.89	10.62	8.88	8.86	5.51	50	100	120	75	85	150	170	125	135		
10SV-07				23.36	13.88	15.53	13.93	15.43	23.36	12.72	22.97	22.97	8.05	8.89	10.62	8.88	8.86	5.51	52	100	120	75	85	152	172	127	137			
10SV-08				25.19	16.63	16.68	15.55	15.51	25.19	13.98	24.79	24.79	8.77	10.62	10.18	10.18	10.28	5.51	61	132	145	107	122	193	206	168	183			
10SV-09				26.45	16.63	16.68	15.55	15.51	26.45	15.24	26.05	26.05	8.77	10.62	10.18	10.18	10.28	5.51	63	132	145	107	122	195	208	170	185			
10SV-10	10	215TC	213TC	215TC	27.71	16.63	16.68	15.55	15.51	27.71	16.50	-	27.31	8.77	10.62	10.18	10.18	10.28	5.51	66	132	145	107	122	198	211	173	188		
10SV-11					29.60	-	-	15.55	16.57	29.60	17.76	-	29.20	9.22	-	-	10.18	10.28	5.51	73	-	-	125	195	-	-	198	268		
10SV-12					30.07	-	-	15.55	16.57	30.07	19.02	-	29.68	9.22	-	-	10.18	10.28	5.51	75	-	-	125	195	-	-	200	270		
10SV-13					32.14	-	-	15.55	16.57	32.14	20.28	-	31.74	9.22	-	-	10.18	10.28	5.51	80	-	-	125	195	-	-	205	275		
10SV-14	15	-	215TC	254TC	33.48	-	-	15.55	16.57	33.48	21.54	-	33.08	9.22	-	-	10.18	10.28	5.51	82	-	-	125	195	-	-	207	277		
10SV-15					34.66	-	-	15.55	16.57	-	-	-	34.26	9.22	-	-	10.18	10.28	5.51	84	-	-	125	195	-	-	209	279		
10SV-16					35.92	-	-	15.55	16.57	-	-	-	35.52	9.22	-	-	10.18	10.28	5.51	86	-	-	125	195	-	-	211	281		
10SV-17					37.18	-	-	15.55	16.57	-	-	-	36.78	9.22	-	-	10.18	10.28	5.51	88	-	-	125	195	-	-	213	283		
10SV-18	20	-	254TC	256TC	38.44	-	-	16.66	20.08	-	-	-	38.04	9.5	-	-	10.18	13.13	5.51	90	-	-	144	285	-	-	234	375		
10SV-19					39.78	-	-	16.66	20.08	-	-	-	39.38	9.5	-	-	10.18	13.13	5.51	92	-	-	144	285	-	-	236	377		
10SV-20					40.96	-	-	16.66	20.08	-	-	-	40.56	9.5	-	-	10.18	13.13	5.51	94	-	-	144	285	-	-	238	379		

Performance Curve

10SV 60 Hz 3500 RPM

LOW NPSH CURVE





All dimensions are in inches (mm).

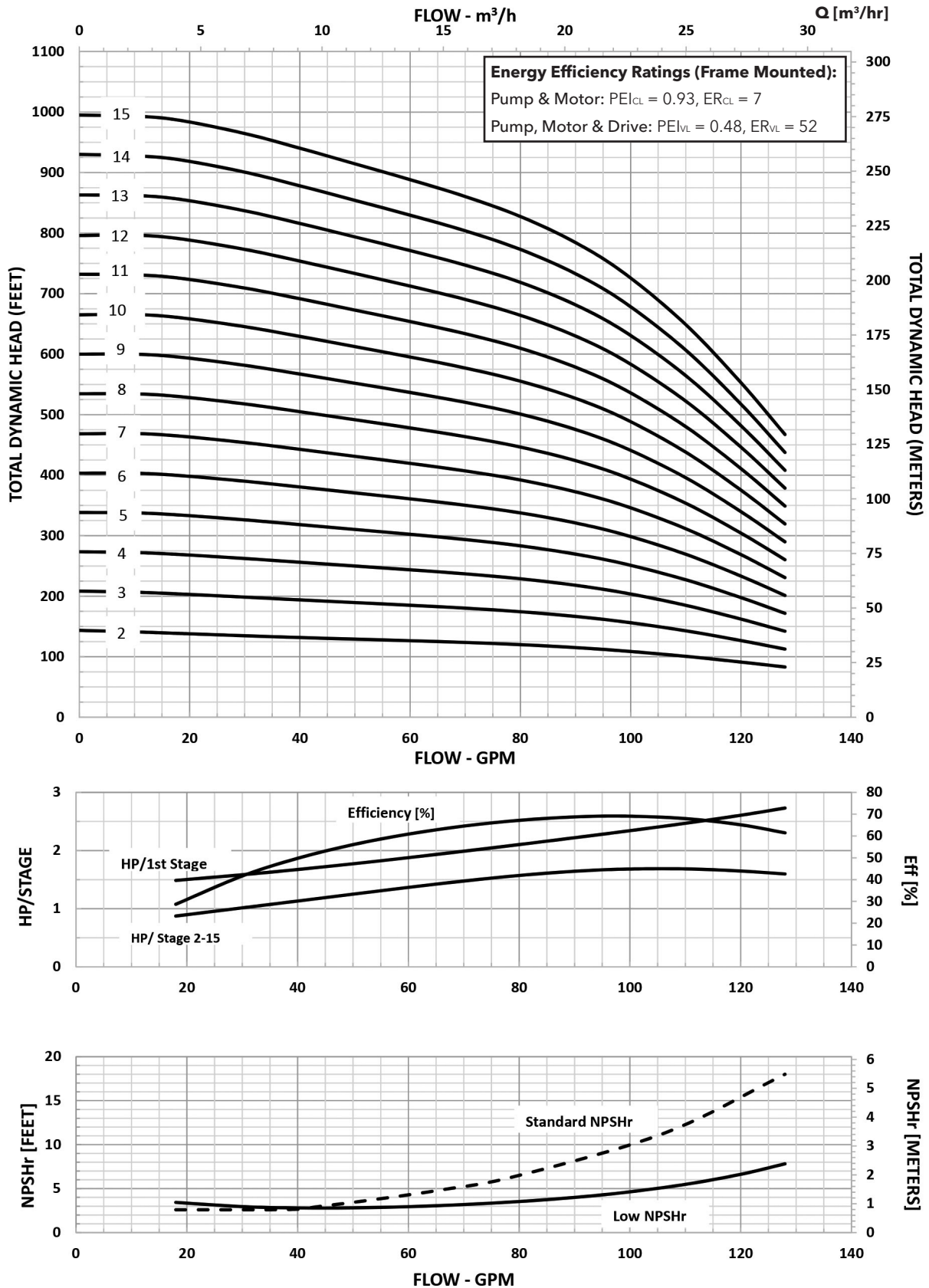
PUMP DIMENSIONS AND WEIGHTS - 15SV SERIES – 60Hz, 3500 RPM ODP/TEFC Enclosures

Pump Type Stages	Motor				Dimensions (in)														Weight (lbs.)														
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump	Motor				Pump/Motor							
		ODP 10	TEFC 10	ODP 30	TEFC 30		ODP 10	TEFC 10	ODP 30	TEFC 30						ODP 10	TEFC 10	ODP 30	TEFC 30			ODP 10	TEFC 10	ODP 30	TEFC 30	ODP 10	TEFC 10	ODP 30	TEFC 30	ODP 10	TEFC 10	ODP 30	TEFC 30
15SV-02	5	184TC	182TC	184TC	18.71	13.93	15.43	12.55	13.93	–	–	18.32	18.32	6.87	8.88	8.86	9.02	8.86	5.51	44	81	92	62	69	125	136	106	113					
15SV-03	7.5	213TC	184TC		20.60	13.88	15.53	13.93	15.43	–	–	20.21	20.21	8.05	8.89	10.62	8.88	8.86	5.51	47	100	120	75	85	147	167	122	132					
15SV-04					23.06	13.88	15.53	13.93	15.43	23.06	11.85	22.67	22.67	8.05	10.62	10.18	10.18	10.28	5.51	57	132	145	107	122	189	202	164	179					
15SV-05	10	215TC	213TC	215TC	24.95	16.63	16.68	15.55	15.51	24.95	13.74	24.56	24.56	8.77	10.62	10.18	10.18	10.28	5.51	59	132	145	107	122	191	204	166	181					
15SV-06					27.49	16.63	16.68	15.55	15.51	27.49	15.63	27.10	27.10	8.77	–	–	10.18	10.28	5.51	71	–	–	125	195	–	–	196	266					
15SV-07	15	215TC	215TC	254TC	29.38	–	–	15.55	16.57	29.38	17.52	28.99	28.99	9.22	–	–	10.18	10.28	5.51	74	–	–	125	195	–	–	199	269					
15SV-08					31.27	–	–	15.55	16.57	31.27	19.41	–	30.88	9.22	–	–	10.18	10.28	5.51	76	–	–	125	195	–	–	201	271					
15SV-09					33.16	–	–	15.55	16.57	33.16	21.30	–	32.77	9.22	–	–	10.18	13.13	5.51	79	–	–	144	285	–	–	223	364					
15SV-10					35.05	–	–	16.66	20.08	35.05	23.19	–	34.66	9.50	–	–	10.18	13.13	5.51	83	–	–	144	285	–	–	227	368					
15SV-11	20	–	254TC	256TC	36.94	–	–	16.66	20.08	36.94	25.08	–	36.55	9.50	–	–	10.18	13.13	5.51	86	–	–	144	285	–	–	230	371					
15SV-12					39.46	–	–	16.66	20.08	–	–	–	39.07	9.50	–	–	11.63	12.94	5.51	97	–	–	185	283	–	–	282	380					
15SV-13					41.35	–	–	16.66	20.08	–	–	–	40.96	9.50	–	–	11.63	12.94	5.51	100	–	–	185	283	–	–	285	383					
15SV-14	25	–	254TC	284TC	43.24	–	–	21.44	19.54	–	–	–	42.85	12.94	–	–	11.63	12.94	5.51	103	–	–	185	283	–	–	288	386					
15SV-15					45.13	–	–	21.44	19.54	–	–	–	44.74	12.94	–	–	13.25	12.94	5.51	106	–	–	296	382	–	–	402	488					

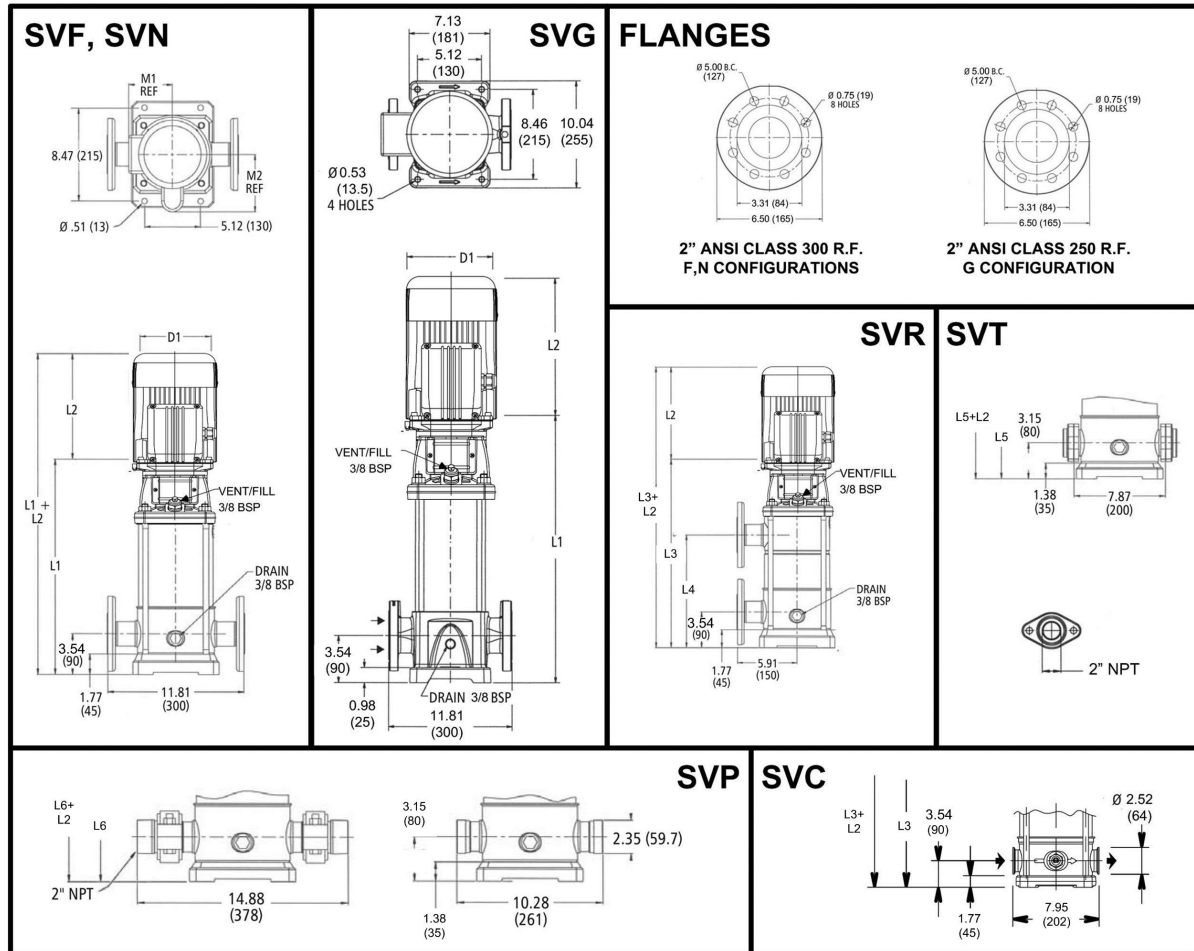
Performance Curve

15SV 60 Hz 3500 RPM

LOW NPSH CURVE



MINIMUM FLOW RATE: 18 GPM [4.1 m^3/hr]



All dimensions are in inches (mm).

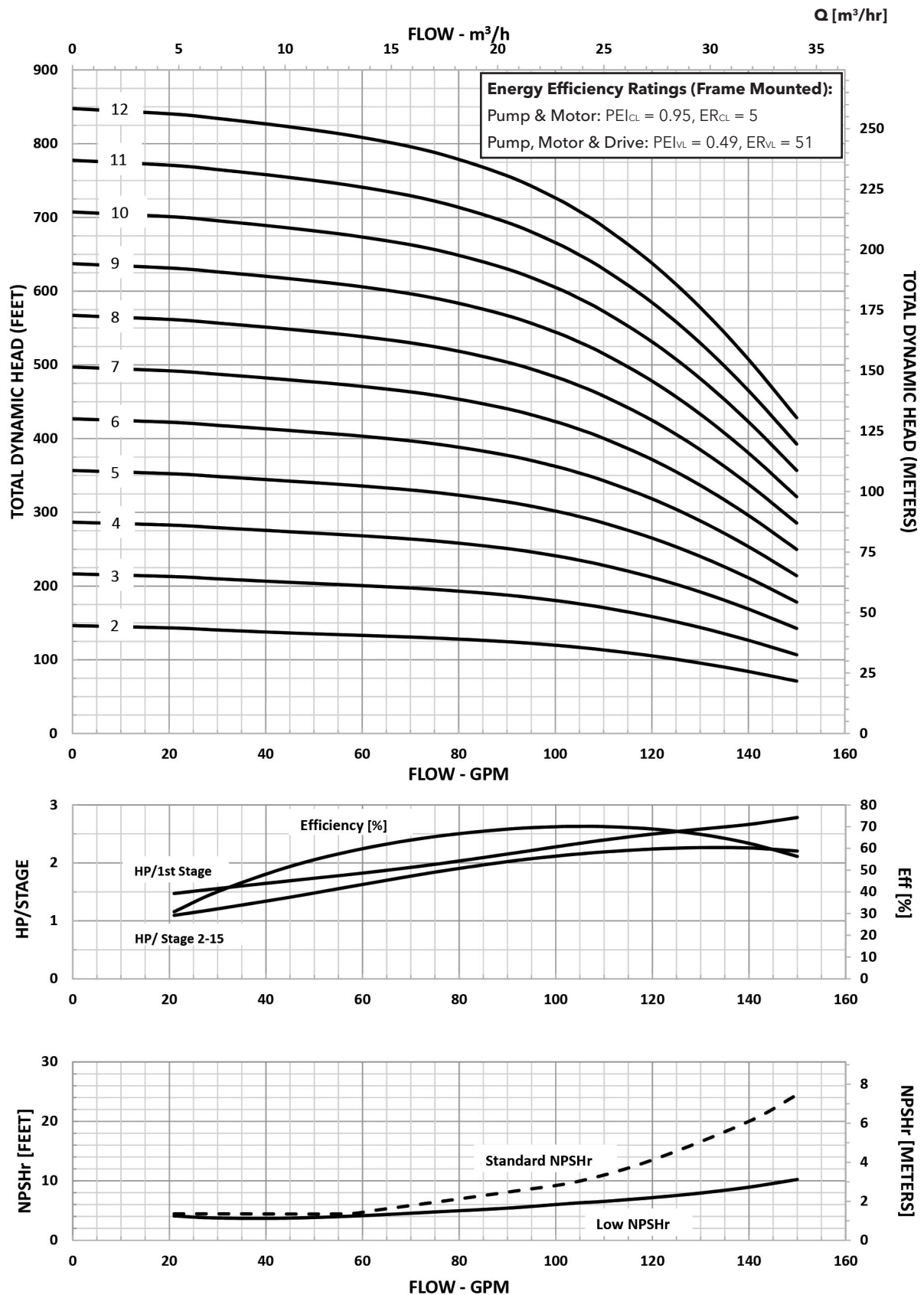
PUMP DIMENSIONS AND WEIGHTS - 22SV SERIES – 60Hz, 3500 RPM ODP/TEFC Enclosures

Pump Type Stages	Motor				Dimensions (in)														Weight (lbs.)														
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump	Motor				Pump/Motor							
		ODP 10	TEFC 10	ODP 30	TEFC 30		ODP 10	TEFC 10	ODP 30	TEFC 30						ODP 10	TEFC 10	ODP 30	TEFC 30			ODP 10	TEFC 10	ODP 30	TEFC 30	ODP 10	TEFC 10	ODP 30	TEFC 30	ODP 10	TEFC 10	ODP 30	TEFC 30
22SV-02	5	184TC	182TC	184TC	18.71	13.93	15.43	12.55	13.93	–	–	18.32	18.32	6.87	8.88	8.86	9.02	8.86	5.51	44	81	92	62	69	125	136	106	113					
22SV-03	7.5	213TC		184TC	18.71	13.88	15.53	13.93	15.43	18.71	–	18.32	18.32	8.05	8.89	10.62	8.88	8.86	5.51	45	100	120	75	85	145	165	120	–					
22SV-04	10	215TC	213TC	215TC	23.06	16.63	16.68	15.55	15.51	23.06	11.85	22.67	22.67	8.77	10.62	10.18	10.28	5.51	58	132	145	107	122	190	203	165	180						
22SV-05	15	–	215TC	254TC	25.60	–	–	15.55	16.57	25.60	13.74	25.21	25.21	9.22	–	–	10.18	10.28	5.51	66	–	–	125	195	–	–	191	261					
22SV-06					27.49	–	–	15.55	16.57	27.49	15.63	27.10	27.10	9.22	–	–	10.18	10.28	5.51	69	–	–	125	195	–	–	194	264					
22SV-07					29.38	–	–	15.55	16.57	29.38	17.52	28.99	28.99	9.22	–	–	10.18	13.13	5.51	72	–	–	144	285	–	–	216	357					
22SV-08	20	–	254TC	254TC	31.27	–	–	16.66	20.08	31.27	19.41	–	30.88	9.50	–	–	10.18	13.13	5.51	75	–	–	144	285	–	–	219	360					
22SV-09					33.16	–	–	16.66	20.08	33.16	21.30	–	32.77	9.50	–	–	10.18	13.13	5.51	77	–	–	144	285	–	–	221	362					
22SV-10					35.68	–	–	16.66	20.08	35.68	23.19	–	35.29	9.50	–	–	11.63	12.94	5.51	89	–	–	185	283	–	–	274	372					
22SV-11	25	–	284TC	284TC	37.57	–	–	21.44	19.54	37.57	25.08	–	37.18	12.94	–	–	11.63	12.94	5.51	92	–	–	185	283	–	–	277	375					
22SV-12					39.46	–	–	21.44	19.54	–	–	–	39.07	12.94	–	–	13.25	12.94	5.51	95	–	–	296	382	–	–	391	477					

Performance Curve

22SV 60 Hz 3500 RPM

LOW NPSH CURVE

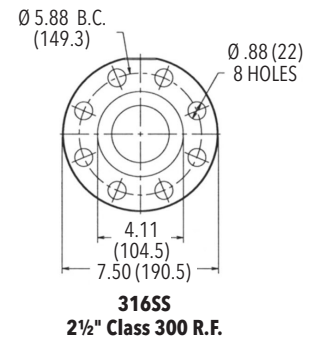
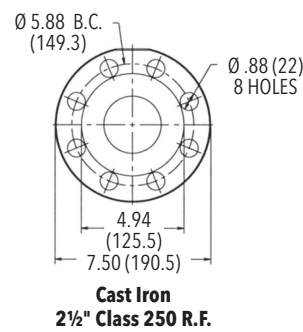
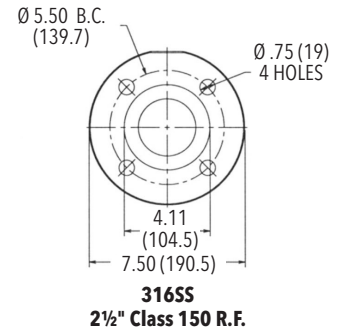
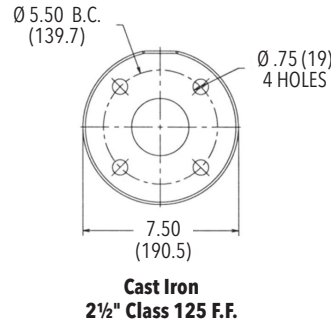
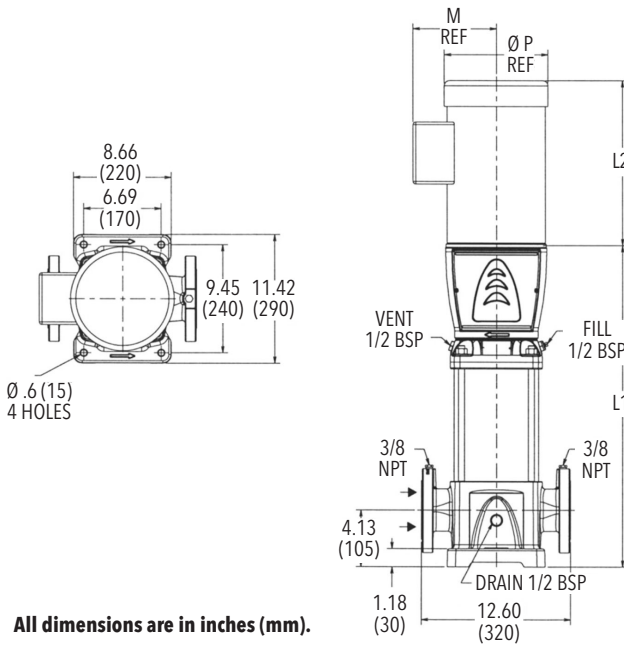


MINIMUM FLOW RATE: 21 GPM [4.8 m^3/hr]

Dimensions and Weights

33SV Series 3500 RPM

LOW NPSH



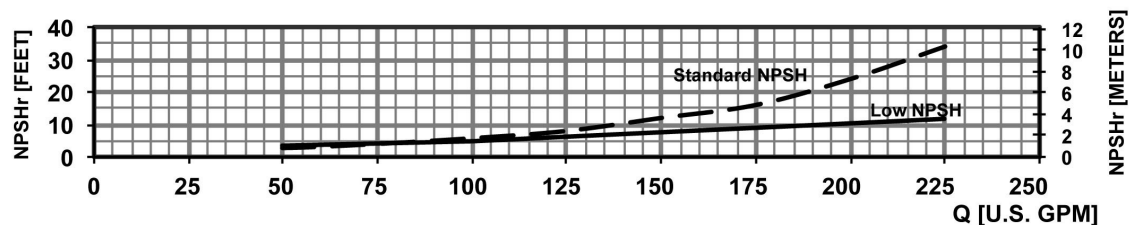
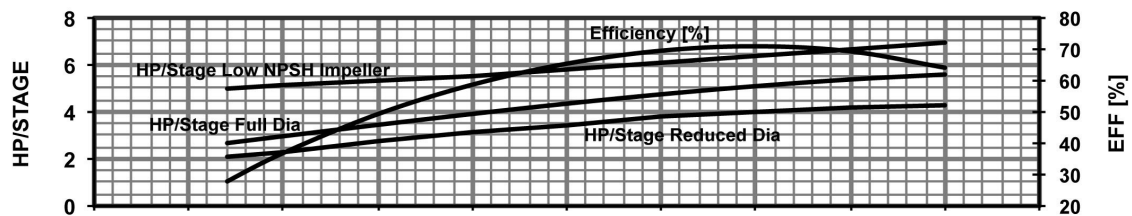
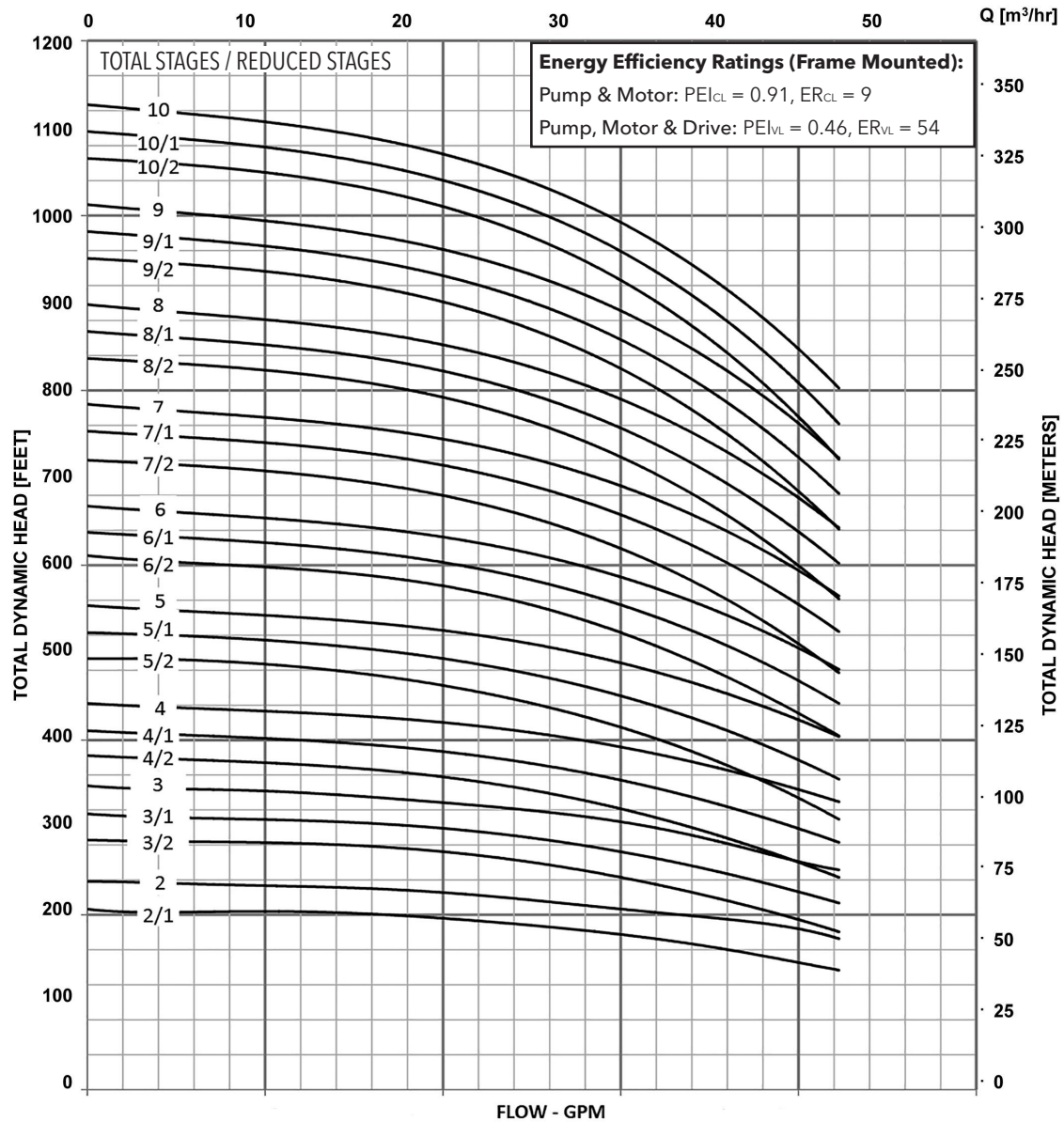
PUMP DIMENSIONS AND WEIGHTS - 33SV SERIES – 60Hz, 3500 RPM ODP/TEFC Enclosures

Pump Type Stages	Motor					Dimensions (in)										Weight (lbs.)									
	HP	NEMA Frame				L1	L2				M (Ref.)	D1 (max.)				D2	Pump Only	Motor				Pump/Motor			
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
33SV-2/1	10	215TC		213TC	215TC	23.58	16.63	16.68	15.55	15.51	8.77	10.62	10.18	10.18	10.28	5.51181	143	132	145	107	122	275	288	250	265
33SV-2						23.58	16.63	16.68	15.55	15.51	8.77	10.62	10.18	10.18	10.28	5.51181	143	132	145	107	122	275	288	250	265
33SV-3/2	15	-	-	215TC	254TC	26.54	-	-	15.55	16.57	9.22	-	-	10.18	10.28	5.51181	152	-	-	125	195	-	-	277	347
33SV-3/1		-	-			26.54	-	-	15.55	16.57	9.22	-	-	10.18	10.28	5.51181	152	-	-	125	195	-	-	277	347
33SV-3		-	-			26.54	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51181	152	-	-	144	285	-	-	296	437
33SV-4/2	20	-	-	254TC	256TC	29.50	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51181	161	-	-	144	285	-	-	305	446
33SV-4/1		-	-			29.50	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51181	161	-	-	144	285	-	-	305	446
33SV-4		-	-			29.50	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	161	-	-	185	283	-	-	346	444
33SV-5/2	25	-	-	254TC	284TC	32.44	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	172	-	-	185	283	-	-	357	455
33SV-5/1		-	-			32.44	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	172	-	-	185	283	-	-	357	455
33SV-5		-	-			32.44	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	186	-	-	185	283	-	-	371	469
33SV-6/2	30	-	-	284TC		35.40	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51181	194	-	-	296	382	-	-	490	576
33SV-6/1		-	-			35.40	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51181	194	-	-	296	382	-	-	490	576
33SV-6		-	-			35.40	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	194	-	-	315	446	-	-	509	640
33SV-7/2	40	-	-	286TC		38.55	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	204	-	-	315	446	-	-	519	650
33SV-7/1		-	-			38.55	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	204	-	-	315	446	-	-	519	650
33SV-7		-	-			38.55	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	204	-	-	315	446	-	-	519	650
33SV-8/2	50	-	-	324TSC	326TSC	41.30	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	221	-	-	315	446	-	-	536	667
33SV-8/1		-	-			41.30	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	229	-	-	315	446	-	-	544	675
33SV-8		-	-			41.30	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	229	-	-	315	446	-	-	544	675
33SV-9/2	50	-	-			44.25	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	238	-	-	320	450	-	-	558	688
33SV-9/1		-	-			44.25	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	238	-	-	320	450	-	-	558	688
33SV-9		-	-			44.25	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	238	-	-	320	450	-	-	558	688
33SV-10/2		-	-			47.20	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	249	-	-	320	450	-	-	569	699
33SV-10/1		-	-			47.20	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	249	-	-	320	450	-	-	569	699
33SV-10		-	-			47.20	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	249	-	-	320	450	-	-	569	699

Performance Curve

33SV 60 Hz 3500 RPM

LOW NPSH CURVE

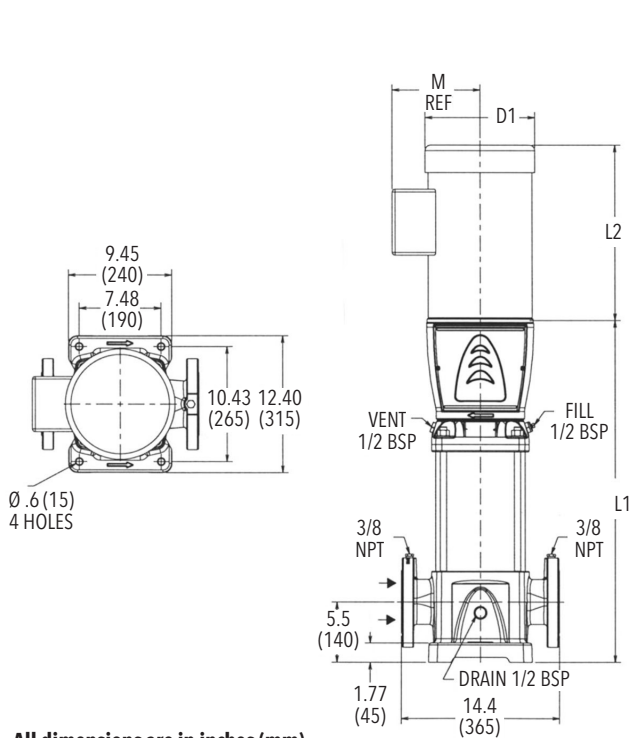


MINIMUM FLOW RATE: 35 GPM [$8 m^3/hr$]

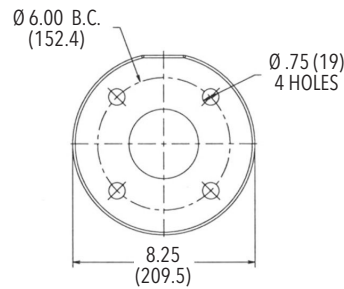
Dimensions and Weights

46SV Series 3500 RPM

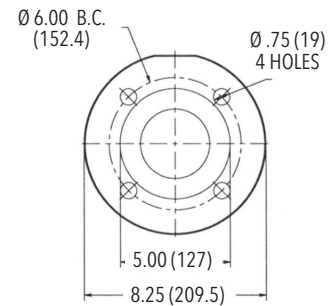
LOW NPSH



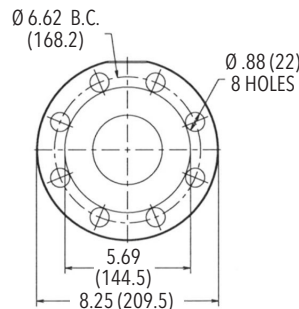
All dimensions are in inches (mm).



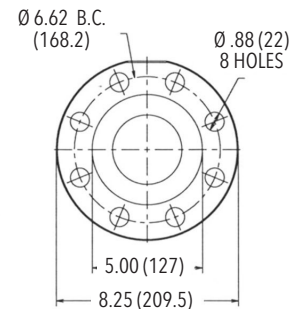
Cast Iron
3" Class 125 F.F.



316SS
3" Class 150 R.F.



Cast Iron
3" Class 250 R.F.



316SS
3" Class 300 R.F.

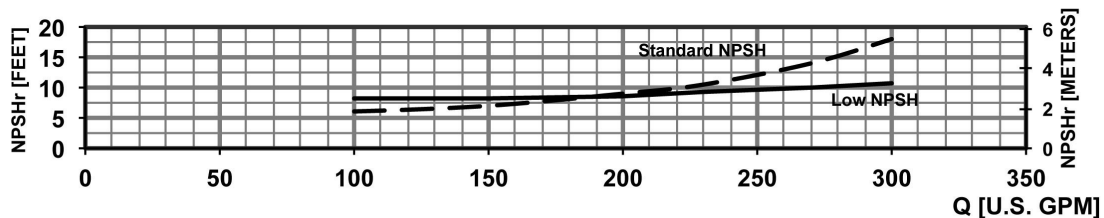
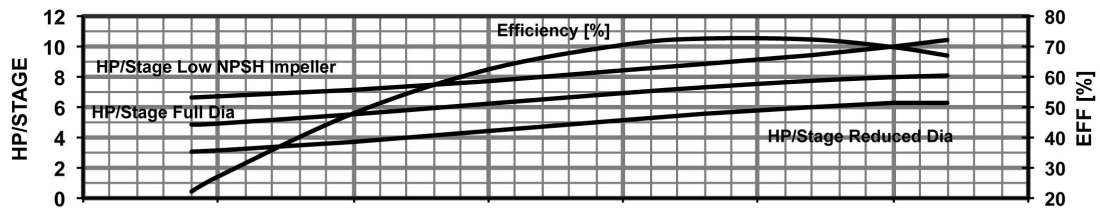
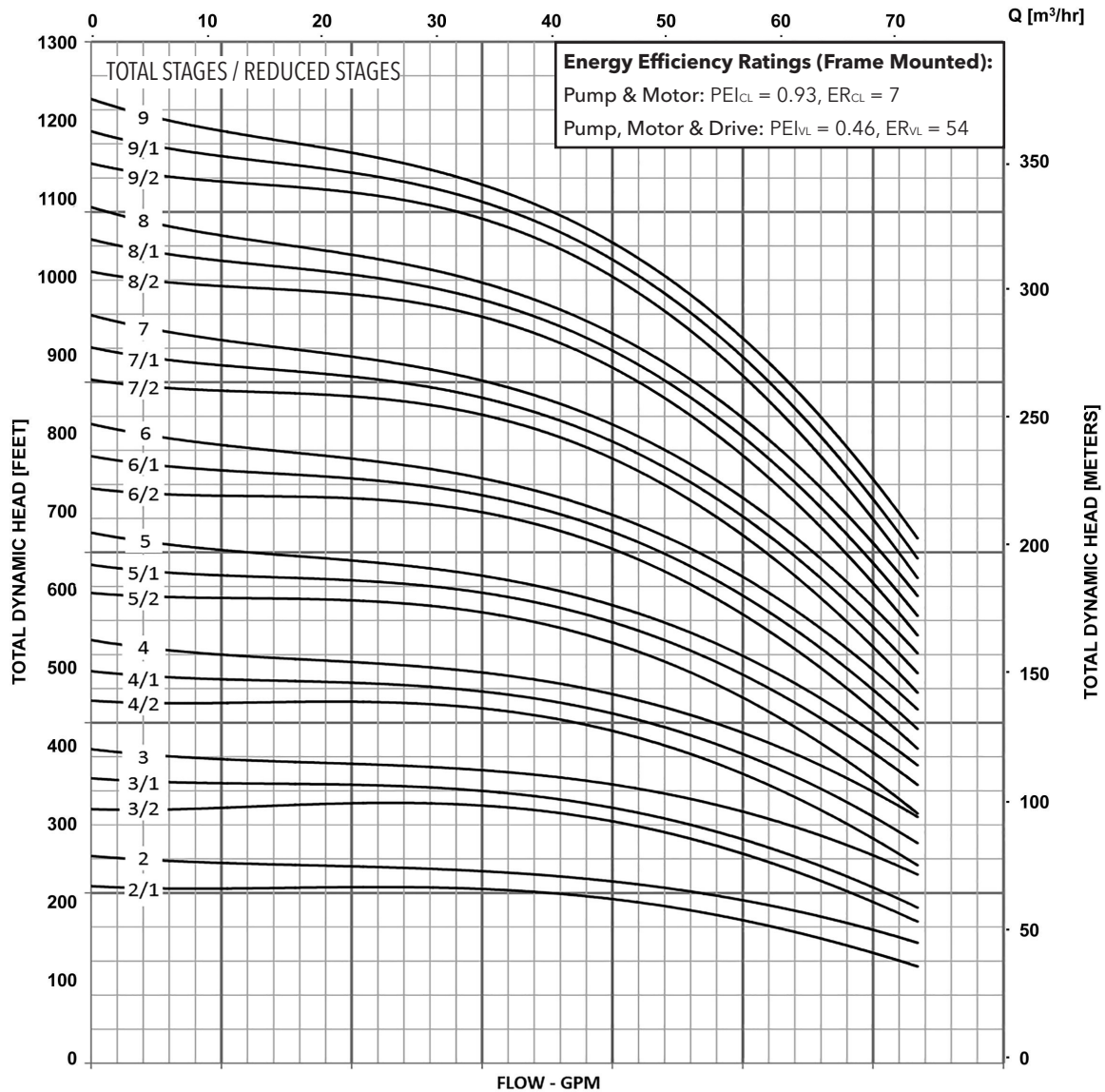
PUMP DIMENSIONS AND WEIGHTS - 46SV SERIES – 60Hz, 3500 RPM ODP/TEFC Enclosures

Pump Type Stages	Motor					Dimensions (in)										Weight (lbs.)									
	HP	NEMA Frame				L1	L2				M (Ref.)	D1 (max.)				D2	Pump Only	Motor				Pump/Motor			
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
46SV-2/1	15	-	-	215TC	254TC	25.19	-	-	15.55	16.57	9.22	-	-	10.18	10.28	5.51	158	-	-	125	195	-	-	283	353
46SV-2	20	-	-	254TC	256TC	25.19	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51	158	-	-	144	285	-	-	302	443
46SV-3/2		-	-			28.12	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51	169	-	-	144	285	-	-	313	454
46SV-3/1	25	-	-	254TC	284TC	28.12	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51	169	-	-	185	283	-	-	354	452
46SV-3		-	-			29.63	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51	183	-	-	185	283	-	-	368	466
46SV-4/2	30	-	-	284TC	286TC	32.63	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51	192	-	-	296	382	-	-	488	574
46SV-4/1		-	-			32.63	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51	192	-	-	296	382	-	-	488	574
46SV-4	40	-	-	286TC	286TC	35.56	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51	199	-	-	315	446	-	-	514	645
46SV-5/2		-	-			35.56	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51	199	-	-	315	446	-	-	514	645
46SV-5/1	50	-	-	324TSC	326TSC	35.56	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51	199	-	-	315	446	-	-	514	645
46SV-6/2		-	-			38.50	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	208	-	-	320	450	-	-	528	658
46SV-6/1	60	-	-	324TSC	326TSC	38.00	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	216	-	-	320	450	-	-	536	666
46SV-6		-	-			38.00	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	216	-	-	320	450	-	-	536	666
46SV-7/2	75	-	-	324TSC	326TSC	40.94	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	233	-	-	320	450	-	-	553	683
46SV-7/1		-	-			40.94	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	233	-	-	320	450	-	-	553	683
46SV-7	80	-	-	324TSC	326TSC	40.94	-	-	22.75	30.69	14.95	-	-	13.03	19.25	5.51	233	-	-	372	689	-	-	605	922
46SV-8/2		-	-			43.94	-	-	22.75	30.69	14.95	-	-	13.03	19.25	5.51	242	-	-	372	689	-	-	614	931
46SV-8/1	90	-	-	364TSC	365TSC	43.94	-	-	22.75	30.69	14.95	-	-	13.03	19.25	5.51	242	-	-	372	689	-	-	614	931
46SV-8		-	-			43.94	-	-	22.75	30.69	14.95	-	-	13.03	19.25	5.51	242	-	-	372	689	-	-	614	931
46SV-9/2	100	-	-	364TSC	365TSC	46.88	-	-	24.38	30.69	14.95	-	-	15.13	19.25	5.51	253	-	-	447	747	-	-	700	1000
46SV-9/1		-	-			46.88	-	-	24.38	30.69	14.95	-	-	15.13	19.25	5.51	253	-	-	447	747	-	-	700	1000
46SV-9	110	-	-	364TSC	365TSC	46.88	-	-	24.38	30.69	14.95	-	-	15.13	19.25	5.51	253	-	-	447	747	-	-	700	1000
46SV-10/2		-	-			49.81	-	-	24.38	30.69	14.95	-	-	15.13	19.25	5.51	264	-	-	447	747	-	-	711	1011

Performance Curve

46SV 60 Hz 3500 RPM

LOW NPSH CURVE

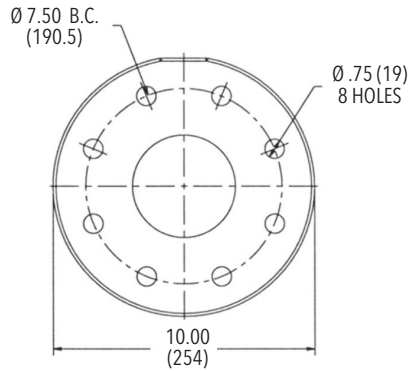
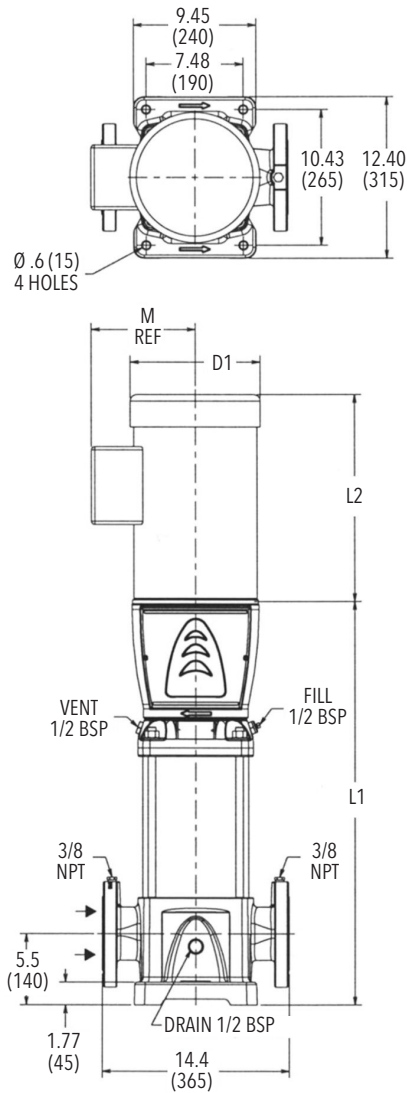


MINIMUM FLOW RATE: 40 GPM [9 m³/hr]

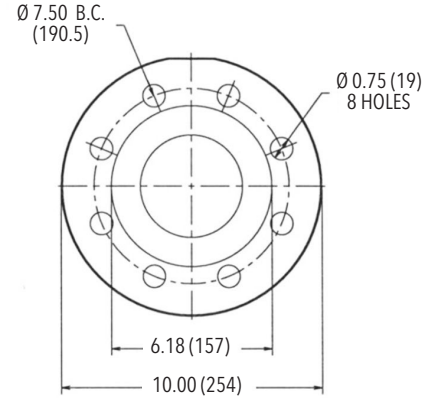
Dimensions and Weights

66SV Series 3500 RPM

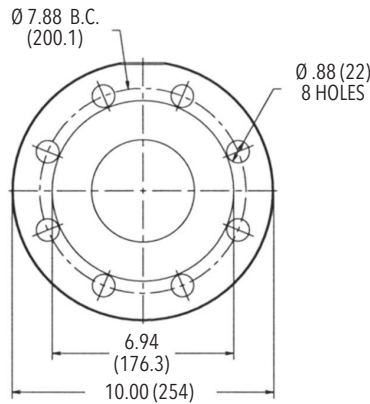
LOW NPSH



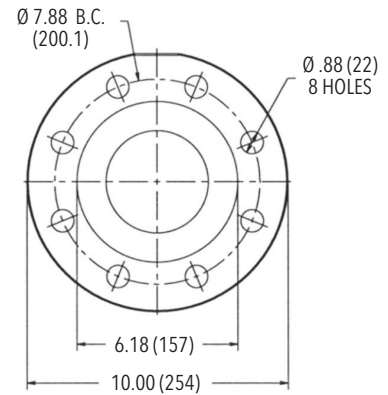
Cast Iron
4" Class 125 F.F.



316SS
4" Class 150 R.F.



Cast Iron
4" Class 250 R.F.



316SS
4" Class 300 R.F.

All dimensions are in inches (mm).

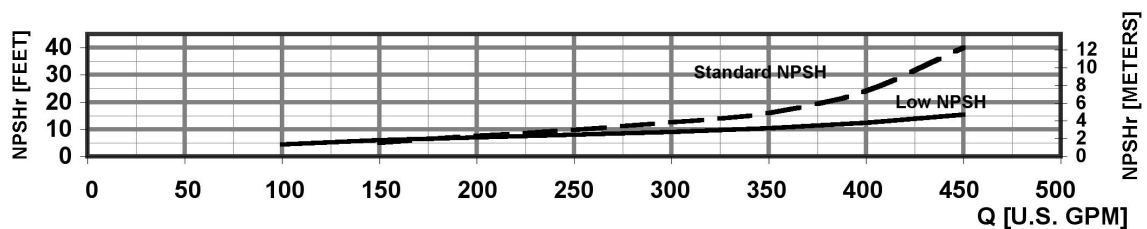
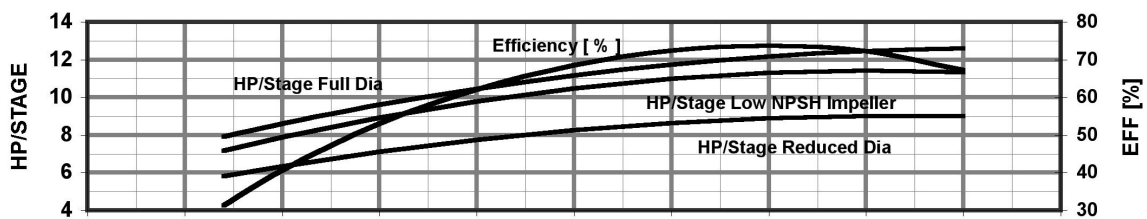
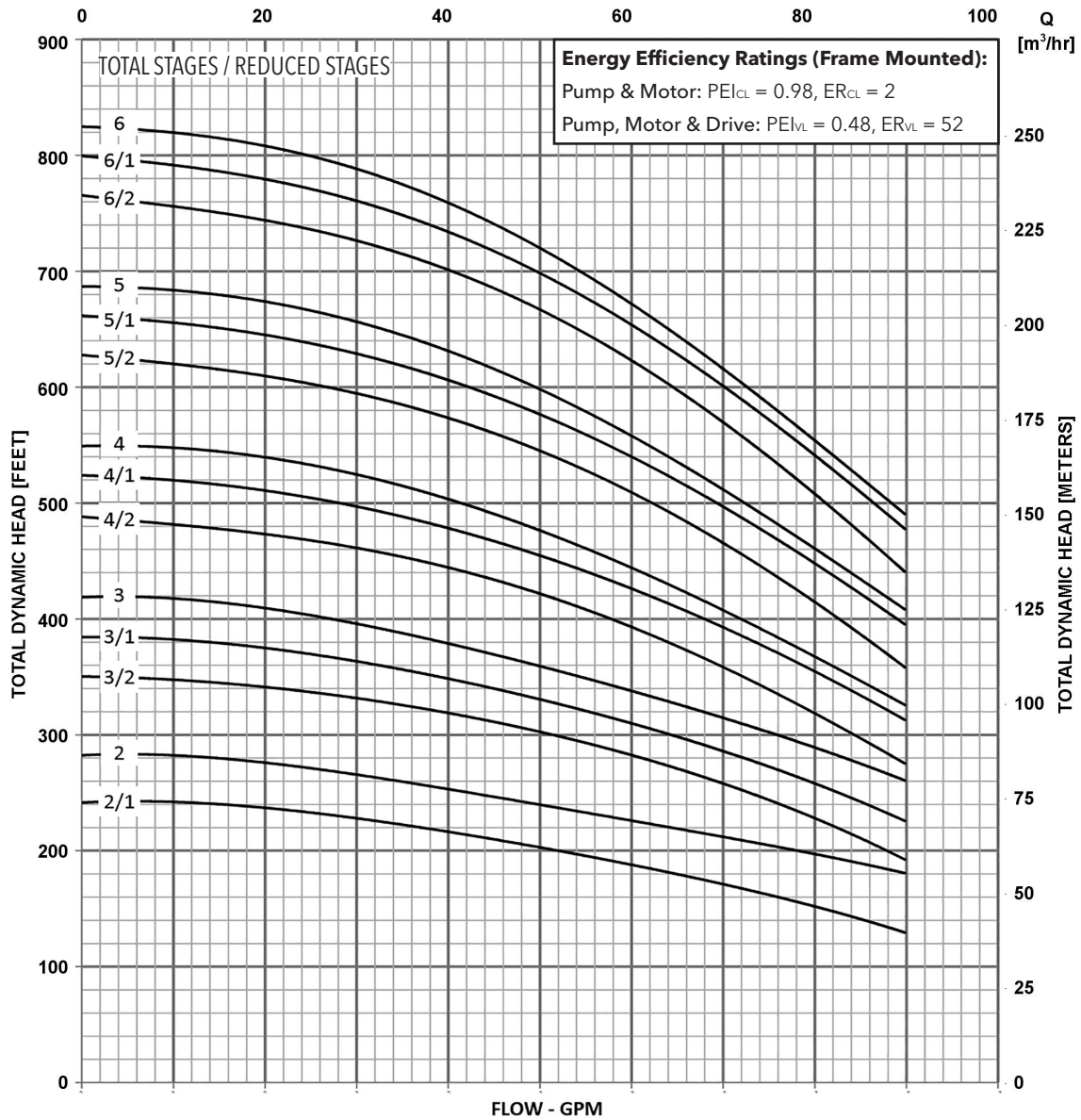
PUMP DIMENSIONS AND WEIGHTS - 66SV SERIES – 60Hz, 3500 RPM ODP/TEFC Enclosures

Pump Type Stages	HP	Motor				Dimensions (in)												Weight (lbs.)							
		NEMA Frame				L1	L2				M (Ref.)	D1 (max.)				D2	Pump Only	Motor				Pump/Motor			
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
66SV-2/1	20	-	-	254TC	256TC	26.75	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51	196	-	-	144	285	-	-	340	481
66SV-2	25	-	-	254TC	284TC	28.31	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51	210	-	-	185	283	-	-	395	493
66SV-3/2	30	-	-	284TC	286TC	31.81	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51	223	-	-	296	382	-	-	519	605
66SV-3/1		-	-			31.81	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51	223	-	-	296	382	-	-	519	605
66SV-3	40	-	-	286TC	286TC	31.81	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51	223	-	-	315	446	-	-	538	669
66SV-4/2		-	-			35.38	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51	234	-	-	315	446	-	-	549	680
66SV-4/1	50	-	-	324TSC	326TSC	34.88	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	242	-	-	320	450	-	-	562	692
66SV-4		-	-			34.88	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	242	-	-	320	450	-	-	562	692
66SV-5/2	60	-	-	324TSC	326TSC	38.44	-	-	22.75	23.19	12.21	-	-	13.03	15.69	5.51	252	-	-	320	450	-	-	572	702
66SV-5/1		-	-			38.44	-	-	22.75	30.69	14.95	-	-	13.03	19.25	5.51	252	-	-	372	689	-	-	624	941
66SV-5	75	-	-	364TSC	365TSC	38.44	-	-	22.75	30.69	14.95	-	-	13.03	19.25	5.51	252	-	-	372	689	-	-	624	941
66SV-6/2		-	-			41.94	-	-	24.38	30.69	14.95	-	-	15.13	19.25	5.51	266	-	-	447	747	-	-	713	1013
66SV-6/1	75	-	-	364TSC	365TSC	41.94	-	-	24.38	30.69	14.95	-	-	15.13	19.25	5.51	266	-	-	447	747	-	-	713	1013
66SV-6		-	-			41.94	-	-	24.38	30.69	14.95	-	-	15.13	19.25	5.51	266	-	-	447	747	-	-	713	1013

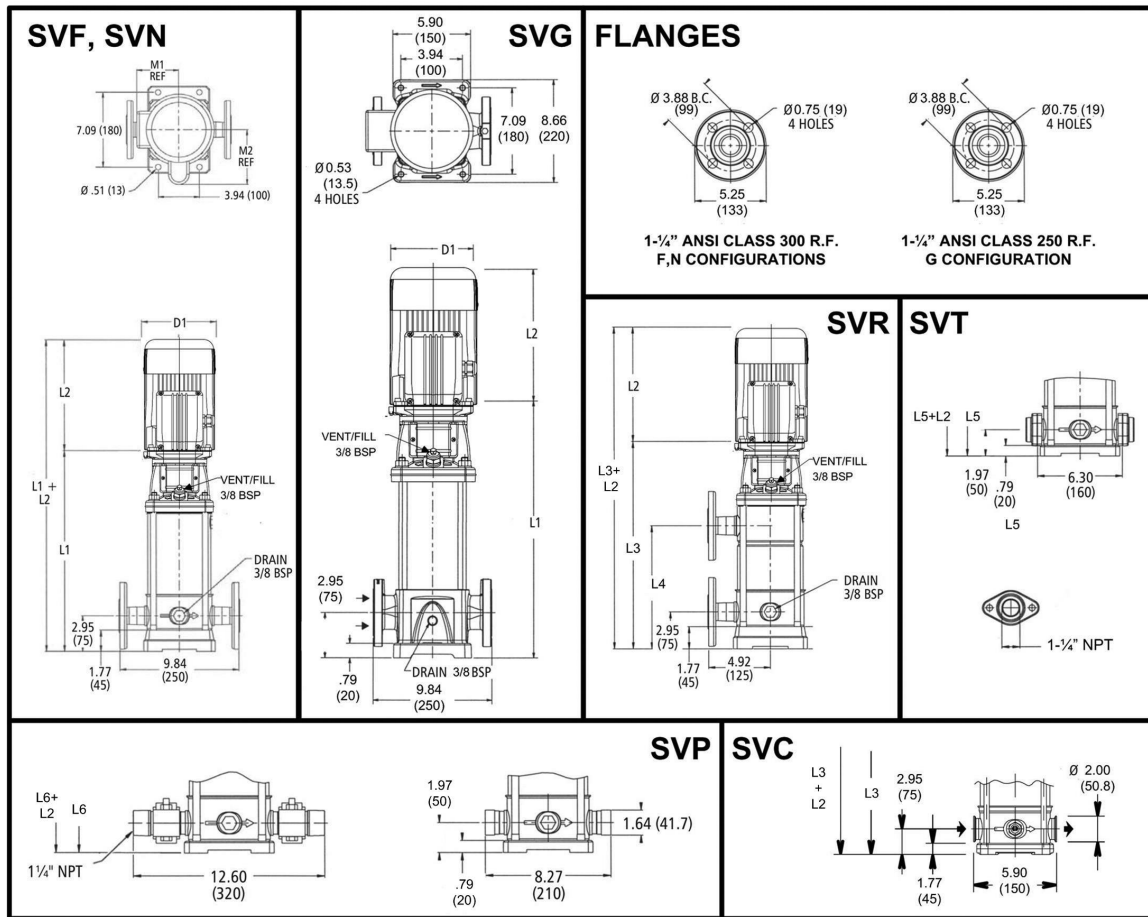
Performance Curve

66SV 60 Hz 3500 RPM

LOW NPSH CURVE



MINIMUM FLOW RATE: 70 GPM [16 m³/hr]



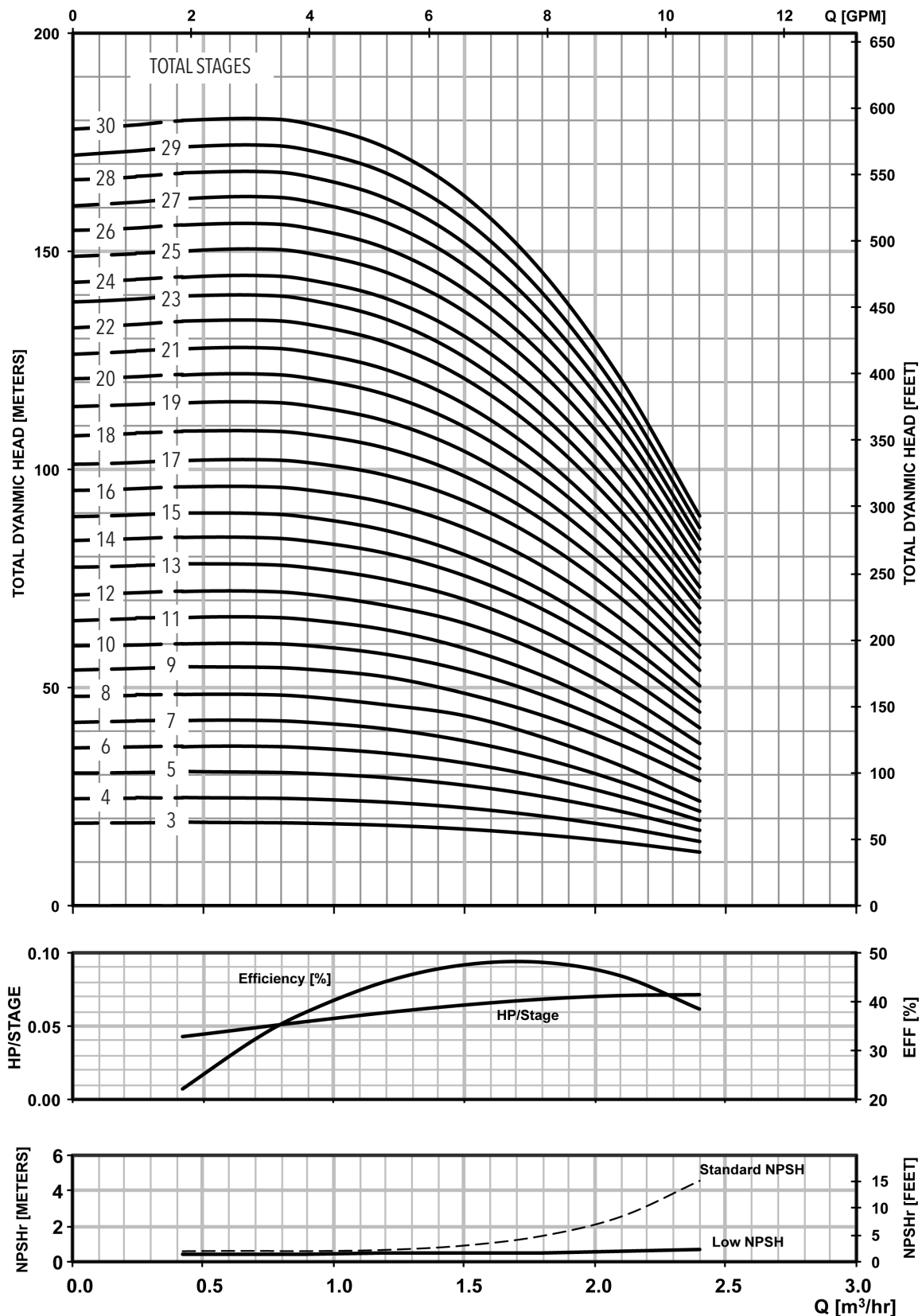
PUMP DIMENSIONS AND WEIGHTS - 1SV SERIES – 50Hz, 2900 RPM ODP/TEFC Enclosures

Pump Type Stages	Motor					Dimensions (in)														Weight (lbs.)									
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump Only	Motor				Pump/Motor			
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø						ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
1SV-02	0.5	56C	13.27	10.79	9.91	9.16	9.29	-	-	12.29	12.29	5.19	6.19	6.19	6.19	6.19	4.13	25	27	29	21	21	52	54	46	46			
1SV-03			13.27	10.79	9.91	9.16	9.29	-	-	12.29	12.29	5.19	6.19	6.19	6.19	6.19	4.13	26	27	29	21	21	53	55	47	47			
1SV-04			14.06	10.79	9.91	9.16	9.29	-	-	13.07	13.07	5.19	6.19	6.19	6.19	6.19	4.13	27	27	29	21	21	54	56	48	48			
1SV-05			14.85	10.79	9.91	9.16	9.29	-	-	13.86	13.86	5.19	6.19	6.19	6.19	6.19	4.13	28	27	29	21	21	55	57	49	49			
1SV-06			15.63	10.79	9.91	9.16	9.29	-	-	14.65	14.65	5.19	6.19	6.19	6.19	6.19	4.13	28	27	29	21	21	55	57	49	49			
1SV-07			16.42	10.79	9.91	9.16	9.29	-	-	15.44	15.44	5.19	6.19	6.19	6.19	6.19	4.13	29	27	29	21	21	56	58	50	50			
1SV-08			17.21	10.79	9.91	9.16	9.29	17.21	8.94	16.22	16.22	5.19	6.19	6.19	6.19	6.19	4.13	30	27	29	21	21	57	59	51	51			
1SV-09			18.00	10.66	11.19	9.16	9.29	18.00	9.72	17.01	17.01	5.74	6.19	7.19	6.19	6.19	4.13	31	32	40	23	23	63	71	54	54			
1SV-10	0.75		18.78	10.66	11.19	9.16	9.29	18.78	10.51	17.80	17.80	5.74	6.19	7.19	6.19	6.19	4.13	32	32	40	23	23	64	72	55	55			
1SV-11			19.57	10.66	11.19	9.16	9.29	19.57	11.30	18.59	18.59	5.74	6.19	7.19	6.19	6.19	4.13	33	32	40	23	23	65	73	56	56			
1SV-12			20.36	10.66	11.19	9.16	9.29	20.36	12.09	19.37	19.37	5.74	6.19	7.19	6.19	6.19	4.13	34	32	40	23	23	66	74	57	57			
1SV-13			21.14	10.67	11.19	10.66	9.91	21.14	12.87	20.16	20.16	5.74	6.19	7.19	6.19	6.19	4.72	35	32	40	30	28	67	75	65	63			
1SV-14	1		21.93	10.67	11.19	10.66	9.91	21.93	13.66	20.95	20.95	5.74	6.19	7.19	6.19	6.19	4.72	36	32	40	30	28	68	76	66	64			
1SV-15			22.72	10.67	11.19	10.66	9.91	22.72	14.45	21.74	21.74	5.74	6.19	7.19	6.19	6.19	4.72	37	32	40	30	28	69	77	67	65			
1SV-16			23.51	10.67	11.19	10.66	9.91	23.51	15.24	22.52	22.52	5.74	6.19	7.19	6.19	6.19	4.72	38	32	40	30	28	70	78	68	66			
1SV-17			24.29	10.67	11.19	10.66	9.91	24.29	16.02	23.31	23.31	5.74	6.19	7.19	6.19	6.19	4.72	38	32	40	30	28	70	78	68	66			
1SV-18			25.08	11.18	12.06	11.16	10.79	25.08	16.81	24.10	24.10	5.74	7.19	7.19	6.19	6.19	4.72	39	43	51	32	33	82	90	71	72			
1SV-19			25.87	11.18	12.06	11.16	10.79	25.87	17.60	24.89	24.89	5.74	7.19	7.19	6.19	6.19	4.72	40	43	51	32	33	83	91	72	73			
1SV-20			26.66	11.18	12.06	11.16	10.79	26.66	18.39	25.67	25.67	5.74	7.19	7.19	6.19	6.19	4.72	41	43	51	32	33	84	92	73	74			
1SV-21			27.44	11.18	12.06	11.16	10.79	27.44	19.17	26.46	26.46	5.74	7.19	7.19	6.19	6.19	4.72	42	43	51	32	33	85	93	74	75			
1SV-22	1.5		28.23	11.18	12.06	11.16	10.79	28.23	19.96	27.25	27.25	5.74	7.19	7.19	6.19	6.19	4.72	43	43	51	32	33	86	94	75	76			
1SV-23			29.02	11.18	12.06	11.16	10.79	29.02	20.75	28.03	28.03	5.74	7.19	7.19	6.19	6.19	4.72	45	43	51	32	33	88	96	77	78			
1SV-24			29.81	11.18	12.06	11.16	10.79	29.81	21.54	28.82	28.82	5.74	7.19	7.19	6.19	6.19	4.72	46	43	51	32	33	89	97	78	79			
1SV-25			30.59	11.18	12.06	11.16	10.79	30.59	22.32	29.61	29.61	5.74	7.19	7.19	6.19	6.19	4.72	47	43	51	32	33	90	98	79	80			
1SV-26			31.38	11.57	13.44	11.18	11.16	31.38	23.11	30.40	30.40	5.75	6.50	7.19	7.16	7.19	5.51	47	49	64	41	44	96	111	88	91			
1SV-27			32.17	11.57	13.44	11.18	11.16	32.17	23.90	-	31.18	5.75	6.50	7.19	7.16	7.19	5.51	48	49	64	41	44	97	112	89	92			
1SV-28			32.96	11.57	13.44	11.18	11.16	32.96	24.68	-	31.97	5.75	6.50	7.19	7.16	7.19	5.51	49	49	64	41	44	98	113	90	93			
1SV-29			2	34.14	11.57	13.44	11.18	11.16	34.14	25.47	-	33.15	5.75	6.50	7.19	7.16	7.19	5.51	50	49	64	41	44	99	114	91	94		
1SV-30	34.53			11.57	13.44	11.18	11.16	34.53	26.26	-	33.55	5.75	6.50	7.19	7.16	7.19	5.51	51	49	64	41	44	100	115	92	95			

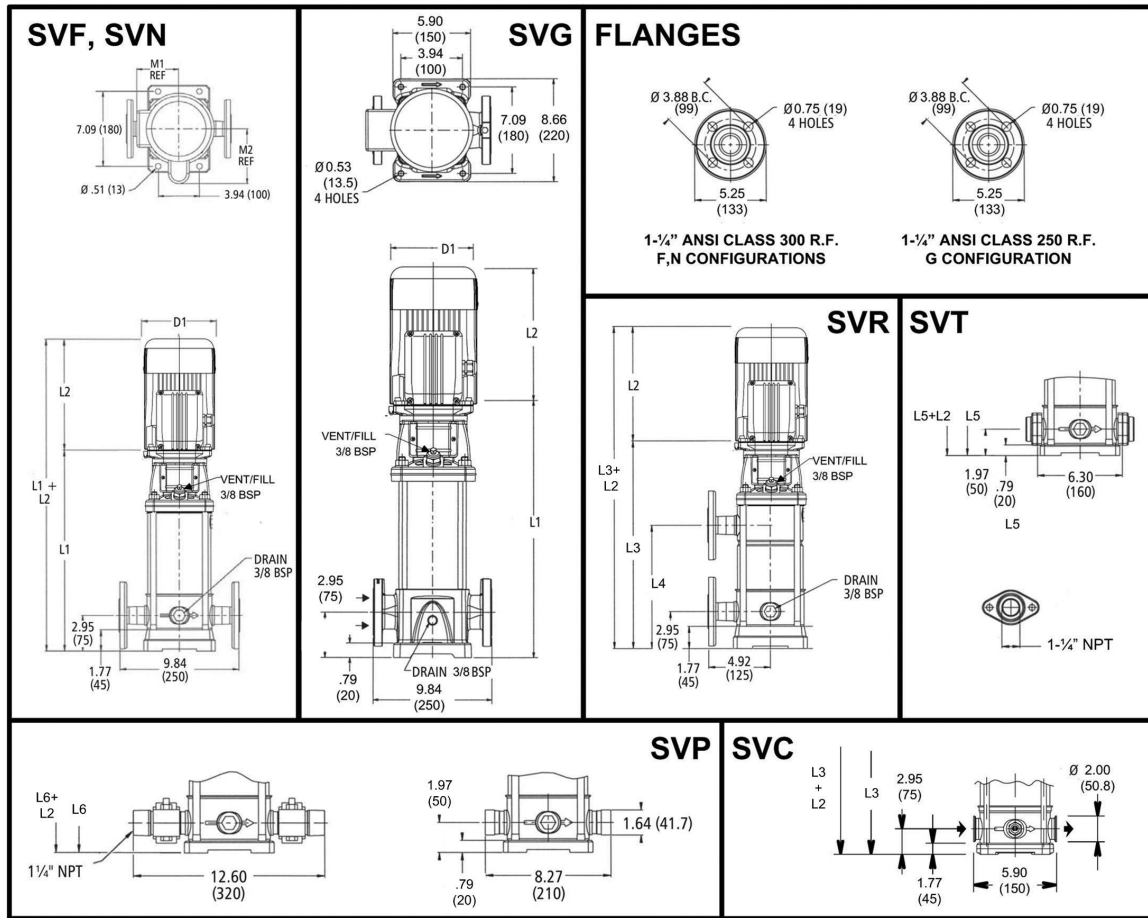
Performance Curve

1SV 50 Hz 2900 RPM

LOW NPSH CURVE



MINIMUM FLOW RATE: .5 m^3/hr [2 GPM]



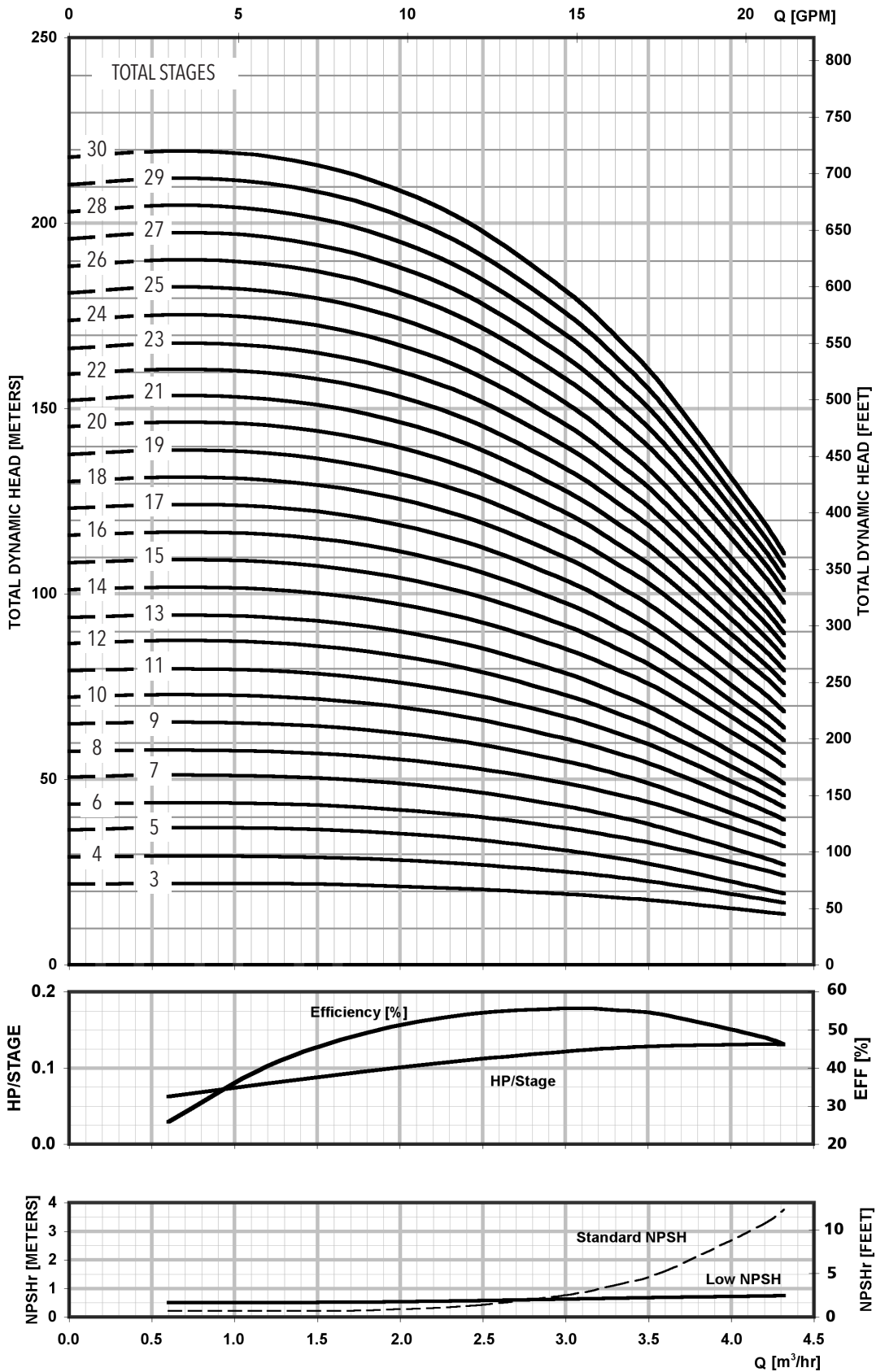
PUMP DIMENSIONS AND WEIGHTS - 3SV SERIES – 50Hz, 2900 RPM ODP/TEFC Enclosures

Pump Type Stages	Motor					Dimensions (in)														Weight (lbs.)											
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump	Motor				Pump/Motor					
		ODP 10	TEFC 10	ODP 30	TEFC 30		ODP 10	TEFC 10	ODP 30	TEFC 30						ODP 10	TEFC 10	ODP 30	TEFC 30			ODP 10	TEFC 10	ODP 30	TEFC 30	ODP 10	TEFC 10	ODP 30	TEFC 30		
3SV-02	0.5	56C				13.27	10.79	9.91	9.16	9.29	-	-	12.29	12.29	5.19	6.19	6.19	6.19	6.19	4.13	4.13	24	27	29	21	21	51	53	45	45	
3SV-03						13.27	10.79	9.91	9.16	9.29	-	-	12.29	12.29	5.19	6.19	6.19	6.19	6.19	4.13	4.13	25	27	29	21	21	52	54	46	46	
3SV-04						14.06	10.79	9.91	9.16	9.29	-	-	13.07	13.07	5.19	6.19	6.19	6.19	6.19	4.13	4.13	26	27	29	21	21	53	55	47	47	
3SV-05						14.85	10.79	9.91	9.16	9.29	-	-	13.86	13.86	5.19	6.19	6.19	6.19	6.19	4.13	4.13	27	27	29	21	21	54	56	48	48	
3SV-06	0.75					15.63	10.66	11.19	9.16	9.29	-	-	14.65	14.65	5.74	6.19	7.19	6.19	6.19	4.13	4.13	28	32	40	23	23	60	68	51	51	
3SV-07						16.42	10.66	11.19	9.16	9.29	-	-	15.44	15.44	5.74	6.19	7.19	6.19	6.19	4.13	30	32	40	23	23	62	70	53	53		
3SV-08	1					17.21	10.67	11.19	10.66	9.91	17.21	8.94	16.22	16.22	5.74	6.19	7.19	6.19	6.19	4.72	31	32	40	30	28	63	71	61	59		
3SV-09						18.00	10.67	11.19	10.66	9.91	18.00	9.72	17.01	17.01	5.74	6.19	7.19	6.19	6.19	4.72	32	32	40	30	28	64	72	62	60		
3SV-10						18.78	10.67	11.19	10.66	9.91	18.78	10.51	17.80	17.80	5.74	6.19	7.19	6.19	6.19	4.72	33	32	40	30	28	65	73	63	61		
3SV-11						19.57	11.18	12.06	11.16	10.79	19.57	11.30	18.59	18.59	5.74	7.19	7.19	6.19	6.19	4.72	34	43	51	32	33	77	85	66	67		
3SV-12	1.5					20.36	11.18	12.06	11.16	10.79	20.36	12.09	19.37	19.37	5.74	7.19	7.19	6.19	6.19	4.72	35	43	51	32	33	78	86	67	68		
3SV-13						21.14	11.18	12.06	11.16	10.79	21.14	12.87	20.16	20.16	5.74	7.19	7.19	6.19	6.19	4.72	36	43	51	32	33	79	87	68	69		
3SV-14						21.93	11.18	12.06	11.16	10.79	21.93	13.66	20.95	20.95	5.74	7.19	7.19	6.19	6.19	4.72	37	43	51	32	33	80	88	69	70		
3SV-15						22.72	11.18	12.06	11.16	10.79	22.72	14.45	21.74	21.74	5.74	7.19	7.19	6.19	6.19	4.72	38	43	51	32	33	81	89	70	71		
3SV-16	2					23.51	11.57	13.44	11.18	11.16	23.51	15.24	22.52	22.52	5.75	6.50	7.19	7.16	7.19	5.51	39	49	64	41	44	88	103	80	83		
3SV-17						24.29	11.57	13.44	11.18	11.16	24.29	16.02	23.31	23.31	5.75	6.50	7.19	7.16	7.19	5.51	40	49	64	41	44	89	104	81	84		
3SV-18						25.08	11.57	13.44	11.18	11.16	25.08	16.81	24.10	24.10	5.75	6.50	7.19	7.16	7.19	5.51	41	49	64	41	44	90	105	82	85		
3SV-19						25.87	11.57	13.44	11.18	11.16	25.87	17.60	24.89	24.89	5.75	6.50	7.19	7.16	7.19	5.51	41	49	64	41	44	90	105	82	85		
3SV-20						26.66	11.57	13.44	11.18	11.16	26.66	18.39	25.67	25.67	5.75	6.50	7.19	7.16	7.19	5.51	42	49	64	41	44	91	106	83	86		
3SV-21						27.44	11.57	13.44	11.18	11.16	27.44	19.17	26.46	26.46	5.75	6.50	7.19	7.16	7.19	5.51	43	49	64	41	44	92	107	84	87		
3SV-22	3	184TC	182TC	184TC	28.93	13.93	15.43	12.55	13.93	28.93	19.96	-	27.95	6.87	8.88	8.86	9.02	8.86	5.51	46	81	92	62	69	127	138	108	115			
3SV-23					29.72	13.93	15.43	12.55	13.93	29.72	20.75	-	28.73	6.87	8.88	8.86	9.02	8.86	5.51	47	81	92	62	69	128	139	109	116			
3SV-24					30.51	13.93	15.43	12.55	13.93	30.51	21.54	-	29.52	6.87	8.88	8.86	9.02	8.86	5.51	48	81	92	62	69	129	140	110	117			
3SV-25					31.29	13.93	15.43	12.55	13.93	31.29	22.32	-	30.31	6.87	8.88	8.86	9.02	8.86	5.51	49	81	92	62	69	130	141	111	118			
3SV-26					32.08	13.93	15.43	12.55	13.93	32.08	23.11	-	31.10	6.87	8.88	8.86	9.02	8.86	5.51	50	81	92	62	69	131	142	112	119			
3SV-27					32.47	13.93	15.43	12.55	13.93	32.47	23.90	-	31.49	6.87	8.88	8.86	9.02	8.86	5.51	52	81	92	62	69	133	144	114	121			
3SV-28					33.26	13.93	15.43	12.55	13.93	33.26	24.68	-	32.28	6.87	8.88	8.86	9.02	8.86	5.51	53	81	92	62	69	134	145	115	122			
3SV-29					34.44	13.93	15.43	12.55	13.93	34.44	25.47	-	33.46	6.87	8.88	8.86	9.02	8.86	5.51	54	81	92	62	69	135	146	116	123			
3SV-30					35.23	13.93	15.43	12.55	13.93	35.23	26.26	-	34.25	6.87	8.88	8.86	9.02	8.86	5.51	55	81	92	62	69	136	147	117	124			

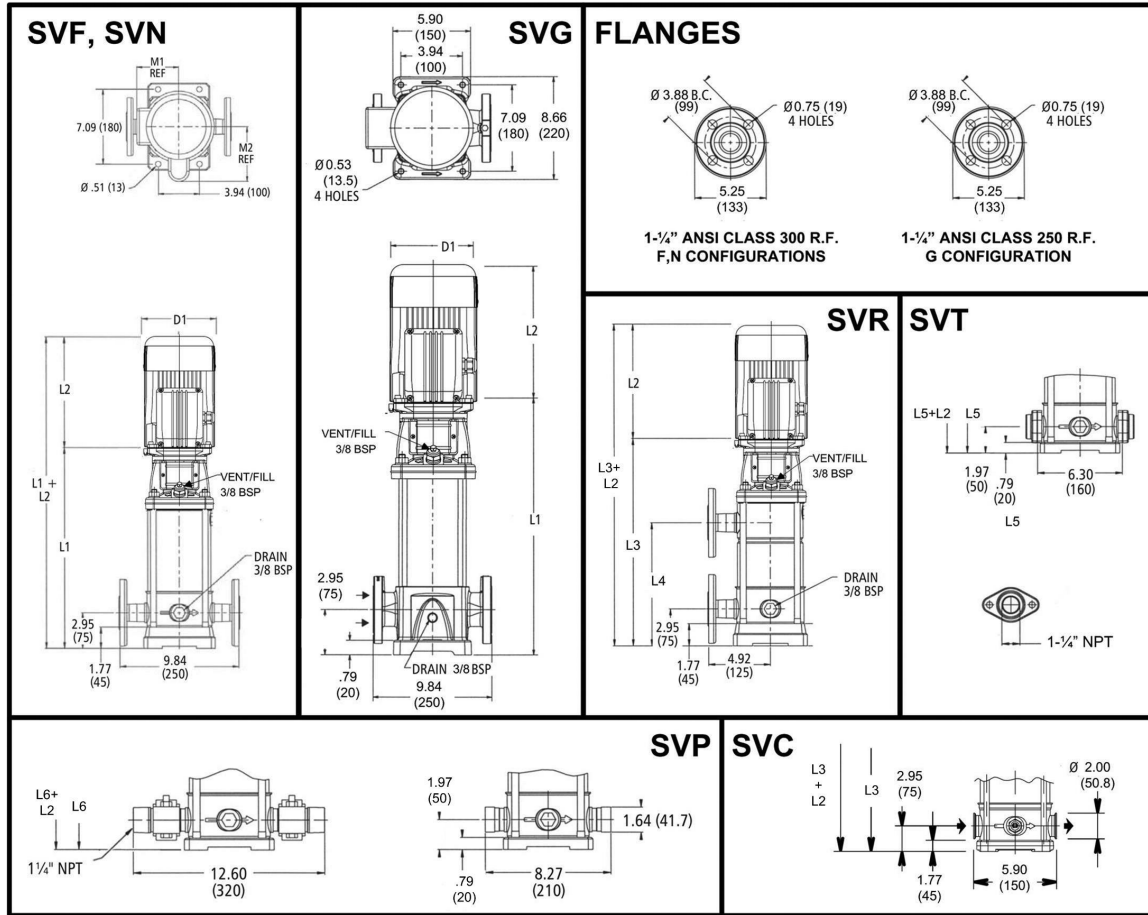
Performance Curve

3SV 50 Hz 2900 RPM

LOW NPSH CURVE



MINIMUM FLOW RATE: .7 m³/hr [3 GPM]



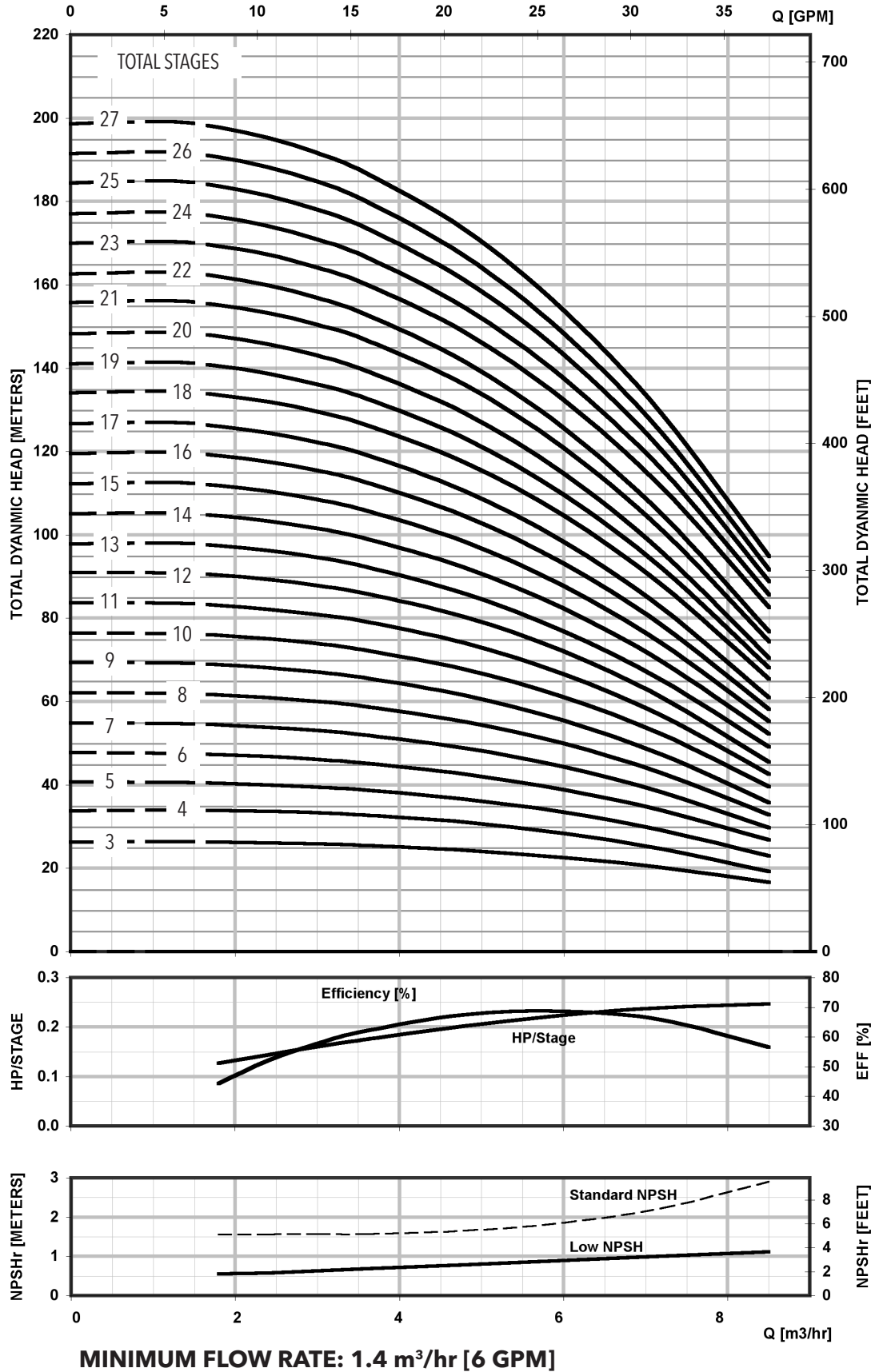
PUMP DIMENSIONS AND WEIGHTS - 5SV SERIES – 50Hz, 2900 RPM ODP/TEFC Enclosures

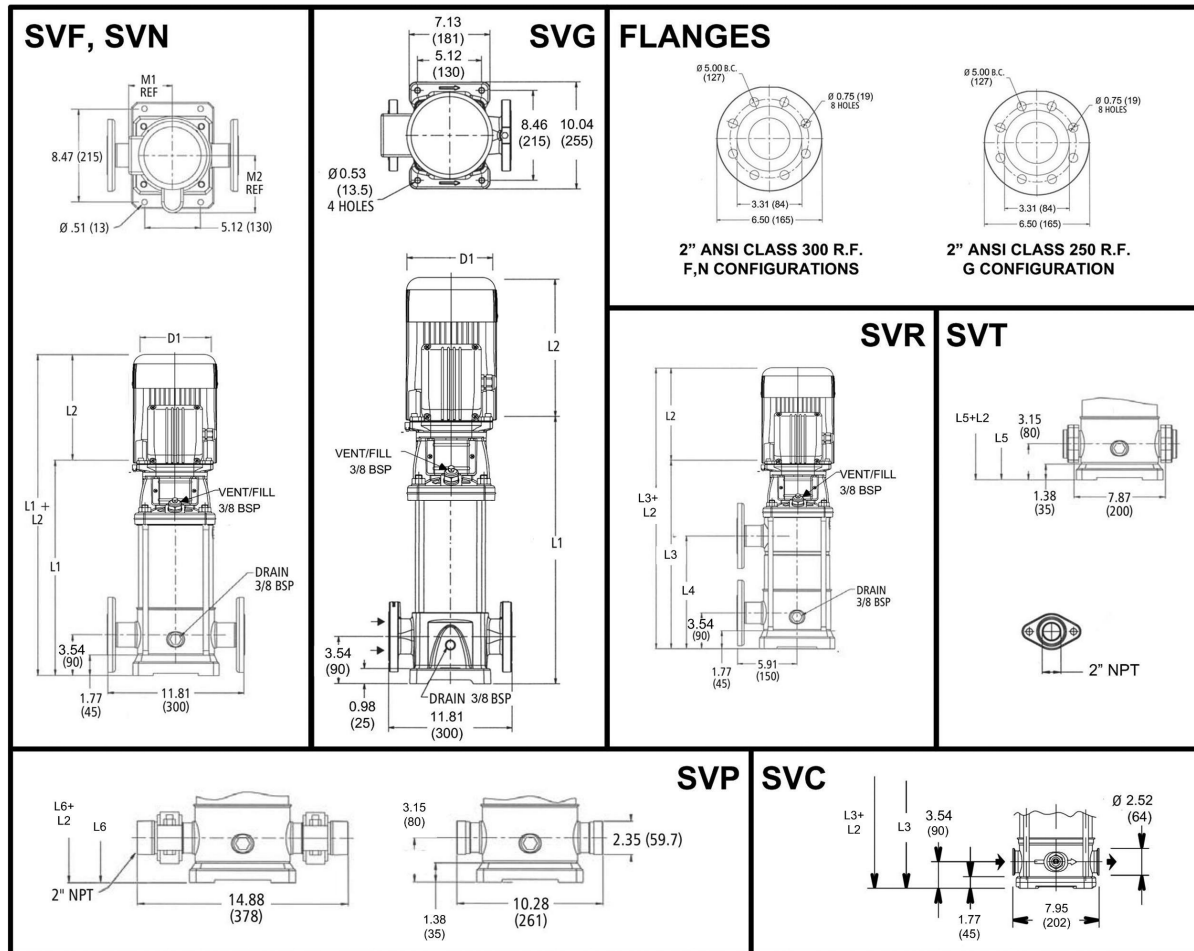
Pump Type Stages	Motor				Dimensions (in)															Weight (lbs.)										
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)					D2	Pump	Motor				Pump/Motor			
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø						ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø			TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	
5SV-02	0.75	56C			13.86	10.66	11.19	9.16	9.29	-	-	12.88	12.88	5.74	6.19	7.19	6.19	6.19	4.13	25	32	40	23	23	57	65	48	48		
5SV-03					13.86	10.66	11.19	9.16	9.29	-	-	12.88	12.88	5.74	6.19	7.19	6.19	6.19	4.13	26	32	40	23	23	58	66	49	49		
5SV-04					14.85	10.67	11.19	10.66	9.91	-	-	13.86	13.86	5.74	6.19	7.19	6.19	6.19	4.72	28	32	40	30	28	60	68	58	56		
5SV-05	1.5				15.83	11.18	12.06	11.16	10.79	-	-	14.85	14.85	5.74	7.19	7.19	6.19	6.19	4.72	29	43	51	32	33	72	80	61	62		
5SV-06					16.81	11.18	12.06	11.16	10.79	-	-	15.83	15.83	5.74	7.19	7.19	6.19	6.19	4.72	30	43	51	32	33	73	81	62	63		
5SV-07					17.80	11.18	12.06	11.16	10.79	17.80	9.53	16.81	16.81	5.74	7.19	7.19	6.19	6.19	4.72	31	43	51	32	33	74	82	63	64		
5SV-08					18.78	11.18	12.06	11.16	10.79	18.78	10.51	17.80	17.80	5.74	7.19	7.19	6.19	6.19	4.72	33	43	51	32	33	76	84	65	66		
5SV-09	2				19.77	11.57	13.44	11.18	11.16	19.77	11.50	18.78	18.78	5.75	6.50	7.19	7.16	7.19	5.51	33	49	64	41	44	82	97	74	77		
5SV-10					20.75	11.57	13.44	11.18	11.16	20.75	12.48	19.77	19.77	5.75	6.50	7.19	7.16	7.19	5.51	34	49	64	41	44	83	98	75	78		
5SV-11					21.74	11.57	13.44	11.18	11.16	21.74	13.46	20.75	20.75	5.75	6.50	7.19	7.16	7.19	5.51	35	49	64	41	44	84	99	76	79		
5SV-12	3	184TC	182TC	184TC	23.42	13.93	15.43	12.55	13.93	23.42	14.45	22.44	22.44	6.87	8.88	8.86	9.02	8.86	5.51	38	81	92	62	69	119	130	100	107		
5SV-13					24.40	13.93	15.43	12.55	13.93	24.40	15.43	23.42	23.42	6.87	8.88	8.86	9.02	8.86	5.51	40	81	92	62	69	121	132	102	109		
5SV-14					25.39	13.93	15.43	12.55	13.93	25.39	16.42	24.40	24.40	6.87	8.88	8.86	9.02	8.86	5.51	40	81	92	62	69	121	132	102	109		
5SV-15					26.37	13.93	15.43	12.55	13.93	26.37	17.40	25.39	25.39	6.87	8.88	8.86	9.02	8.86	5.51	41	81	92	62	69	122	133	103	110		
5SV-16					27.36	13.93	15.43	12.55	13.93	27.36	18.39	26.37	26.37	6.87	8.88	8.86	9.02	8.86	5.51	43	81	92	62	69	124	135	105	112		
5SV-17					28.54	13.93	15.43	12.55	13.93	28.54	19.37	27.55	27.55	6.87	8.88	8.86	9.02	8.86	5.51	45	81	92	62	69	126	137	107	114		
5SV-18	5	213TC		184TC	29.33	13.88	15.53	13.93	15.43	29.33	20.35	28.34	28.34	8.05	8.89	10.62	8.88	8.86	5.51	46	100	120	75	85	146	166	121	131		
5SV-19					30.51	13.88	15.53	13.93	15.43	30.51	21.34	29.52	29.52	8.05	8.89	10.62	8.88	8.86	5.51	47	100	120	75	85	147	167	122	132		
5SV-20					31.69	13.88	15.53	13.93	15.43	31.69	22.32	30.70	30.70	8.05	8.89	10.62	8.88	8.86	5.51	48	100	120	75	85	148	168	123	133		
5SV-21					32.28	13.88	15.53	13.93	15.43	32.28	23.31	31.29	31.29	8.05	8.89	10.62	8.88	8.86	5.51	49	100	120	75	85	149	169	124	134		
5SV-22					33.34	13.88	15.53	13.93	15.43	33.34	24.29	-	32.36	8.05	8.89	10.62	8.88	8.86	5.51	50	100	120	75	85	150	170	125	135		
5SV-23					34.25	13.88	15.53	13.93	15.43	34.25	25.28	-	33.26	8.05	8.89	10.62	8.88	8.86	5.51	51	100	120	75	85	151	171	126	136		
5SV-24					35.31	13.88	15.53	13.93	15.43	35.31	26.26	-	34.33	8.05	8.89	10.62	8.88	8.86	5.51	53	100	120	75	85	153	173	128	138		
5SV-25					36.21	13.88	15.53	13.93	15.43	36.21	27.24	-	35.23	8.05	8.89	10.62	8.88	8.86	5.51	53	100	120	75	85	153	173	128	138		
5SV-26					37.28	13.88	15.53	13.93	15.43	37.28	28.23	-	36.29	8.05	8.89	10.62	8.88	8.86	5.51	54	100	120	75	85	154	174	129	139		
5SV-27					38.26	13.88	15.53	13.93	15.43	38.26	29.21	-	37.28	8.05	8.89	10.62	8.88	8.86	5.51	55	100	120	75	85	155	175	130	140		

Performance Curve

5SV 50 Hz 2900 RPM

LOW NPSH CURVE





All dimensions are in inches (mm).

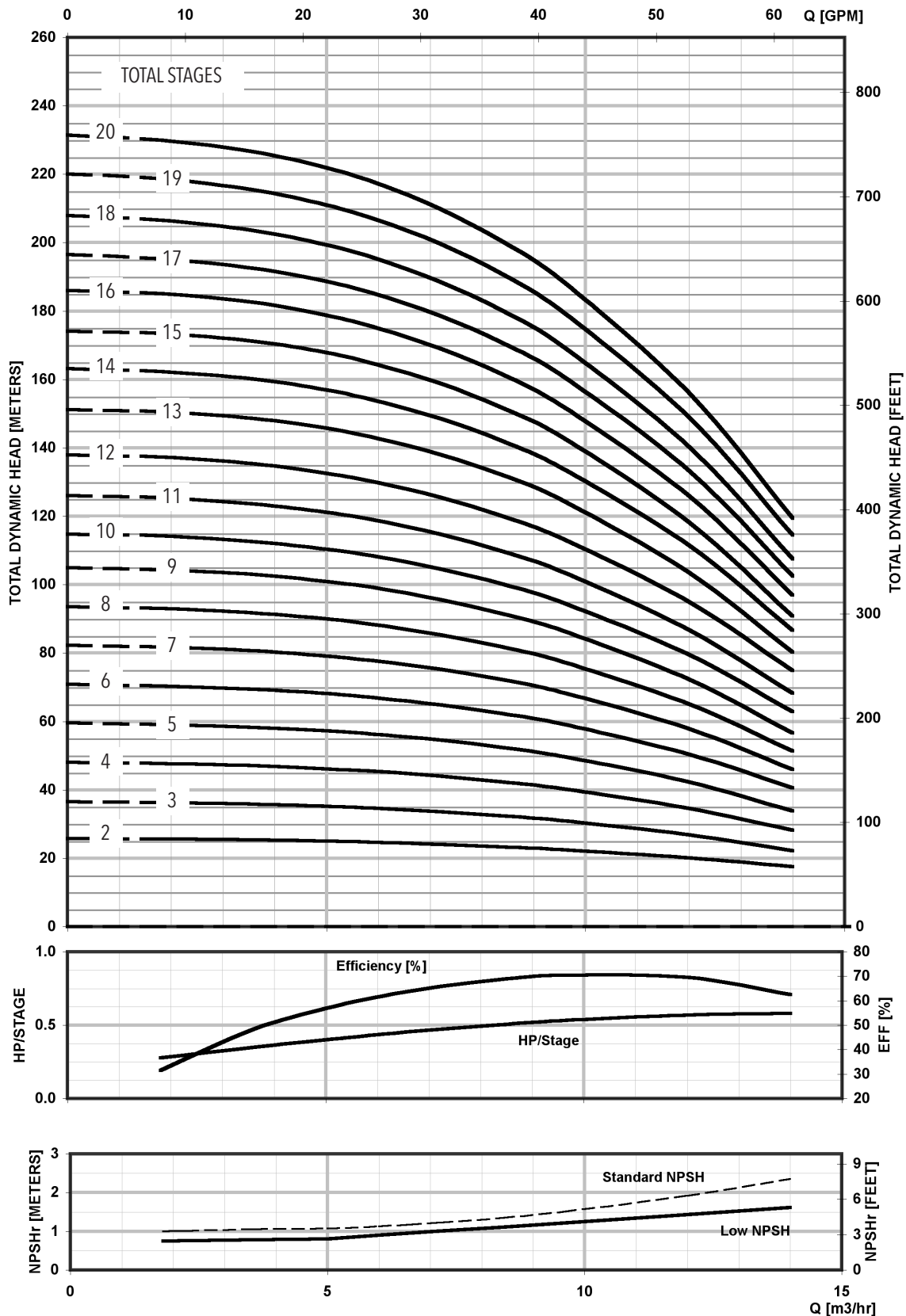
PUMP DIMENSIONS AND WEIGHTS - 10SV SERIES – 50Hz, 2900 RPM ODP/TEFC Enclosures

Pump Type Stages	Motor					Dimensions (in)															Weight (lbs.)									
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump	Motor				Pump/Motor				
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø						ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	
10SV-02	1.5	56C				16.56	11.18	12.06	11.16	10.79	-	-	16.17	16.17	5.74	7.19	7.19	6.19	6.19	4.72	38	43	51	32	33	81	89	70	71	
10SV-03						17.82	11.18	12.06	11.16	10.79	-	-	17.43	17.43	5.74	7.19	7.19	6.19	6.19	4.72	40	43	51	32	33	83	91	72	73	
10SV-04	2					19.08	11.57	13.44	11.18	11.16	-	-	18.69	18.69	5.75	6.50	7.19	7.16	7.19	5.51	43	49	64	41	44	92	107	84	87	
10SV-05	20.84					13.93	15.43	12.55	13.93	20.84	10.20	20.45	20.45	6.87	8.88	8.86	9.02	8.86	5.51	48	81	92	62	69	129	140	110	117		
10SV-06	3	184TC	182TC		22.10	13.93	15.43	12.55	13.93	22.10	11.46	21.71	21.71	6.87	8.88	8.86	9.02	8.86	5.51	50	81	92	62	69	131	142	112	119		
10SV-07	23.36				13.93	15.43	12.55	13.93	23.36	12.72	22.97	22.97	6.87	8.88	8.86	9.02	8.86	5.51	52	81	92	62	69	133	144	114	121			
10SV-08	5	213TC	184TC	184TC	24.62	13.88	15.53	13.93	15.43	24.62	13.98	24.22	24.22	8.05	8.89	10.62	8.88	8.86	5.51	54	100	120	75	85	154	174	129	139		
10SV-09					25.88	13.88	15.53	13.93	15.43	25.88	15.24	25.48	25.48	8.05	8.89	10.62	8.88	8.86	5.51	56	100	120	75	85	156	176	131	141		
10SV-10					27.14	13.88	15.53	13.93	15.43	27.14	16.50	26.74	26.74	8.05	8.89	10.62	8.88	8.86	5.51	59	100	120	75	85	159	179	134	144		
10SV-11					28.40	13.88	15.53	13.93	15.43	28.40	17.76	28.00	28.00	8.05	8.89	10.62	8.88	8.86	5.51	61	100	120	75	85	161	181	136	146		
10SV-12	7.5	215TC	213TC	215TC	29.44	16.63	16.68	15.55	15.51	29.44	19.02	29.05	29.05	8.77	10.62	10.18	10.18	10.28	5.51	70	132	145	107	122	202	215	177	192		
10SV-13					31.51	16.63	16.68	15.55	15.51	31.51	20.28	31.11	31.11	8.77	10.62	10.18	10.18	10.28	5.51	75	132	145	107	122	207	220	182	197		
10SV-14					32.85	16.63	16.68	15.55	15.51	32.85	21.54	-	32.45	8.77	10.62	10.18	10.18	10.28	5.51	77	132	145	107	122	209	222	184	199		
10SV-15					34.03	16.63	16.68	15.55	15.51	34.03	22.80	-	33.63	8.77	10.62	10.18	10.18	10.28	5.51	79	132	145	107	122	211	224	186	201		
10SV-16					35.29	16.63	16.68	15.55	15.51	35.29	24.06	-	34.89	8.77	10.62	10.18	10.18	10.28	5.51	81	132	145	107	122	213	226	188	203		
10SV-17					36.55	16.63	16.68	15.55	15.51	36.55	25.31	-	36.15	8.77	10.62	10.18	10.18	10.28	5.51	83	132	145	107	122	215	228	190	205		
10SV-18	10	-	215TC	254TC	38.44	-	-	15.55	16.57	38.44	26.57	-	38.04	9.22	-	-	10.18	10.28	5.51	90	-	-	125	195	-	-	215	285		
10SV-19					39.78	-	-	15.55	16.57	39.78	27.83	-	39.38	9.22	-	-	10.18	10.28	5.51	92	-	-	125	195	-	-	217	287		
10SV-20					40.96	-	-	15.55	16.57	40.96	29.09	-	40.56	9.22	-	-	10.18	10.28	5.51	94	-	-	125	195	-	-	219	289		

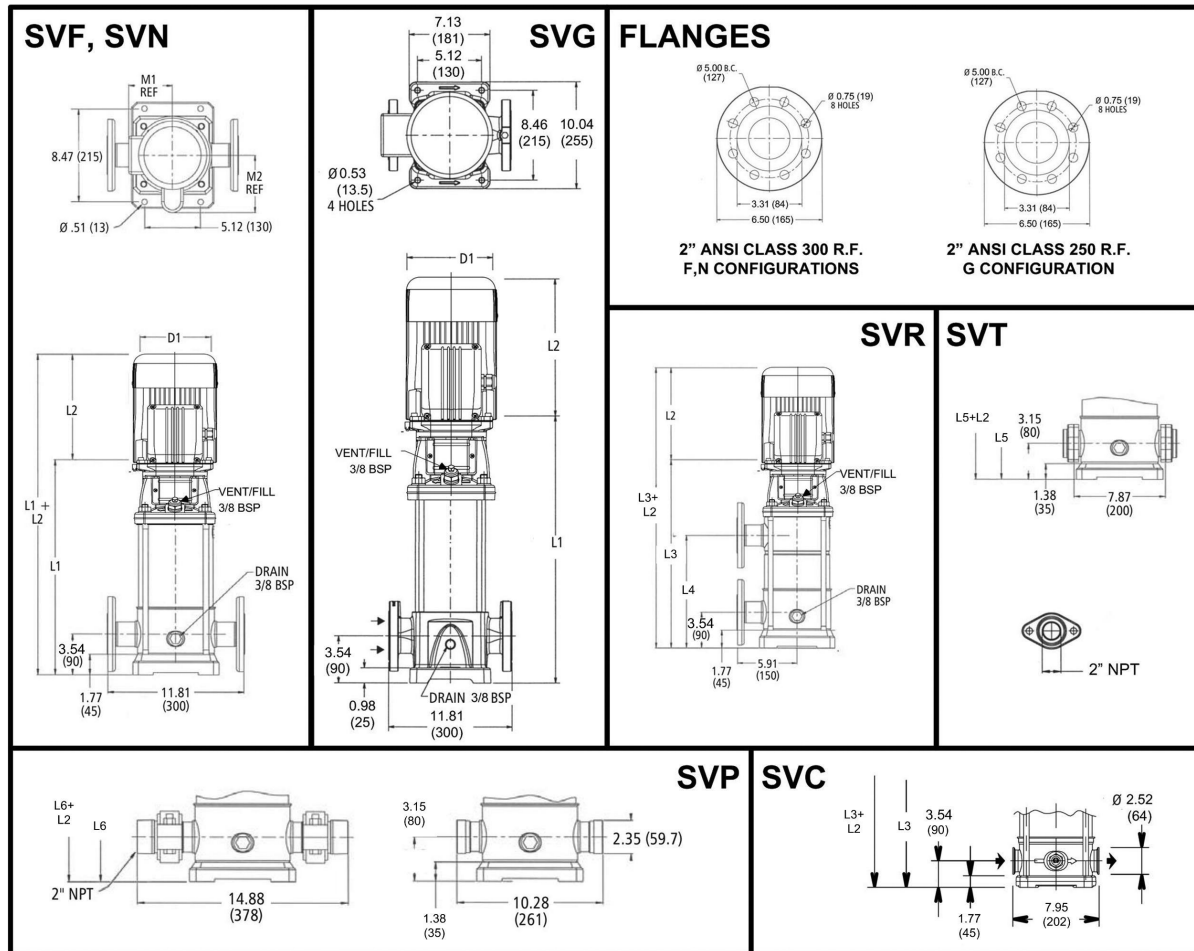
Performance Curve

10SV 50 Hz 2900 RPM

LOW NPSH CURVE



MINIMUM FLOW RATE: 1.8 m³/hr [8 GPM]



All dimensions are in inches (mm).

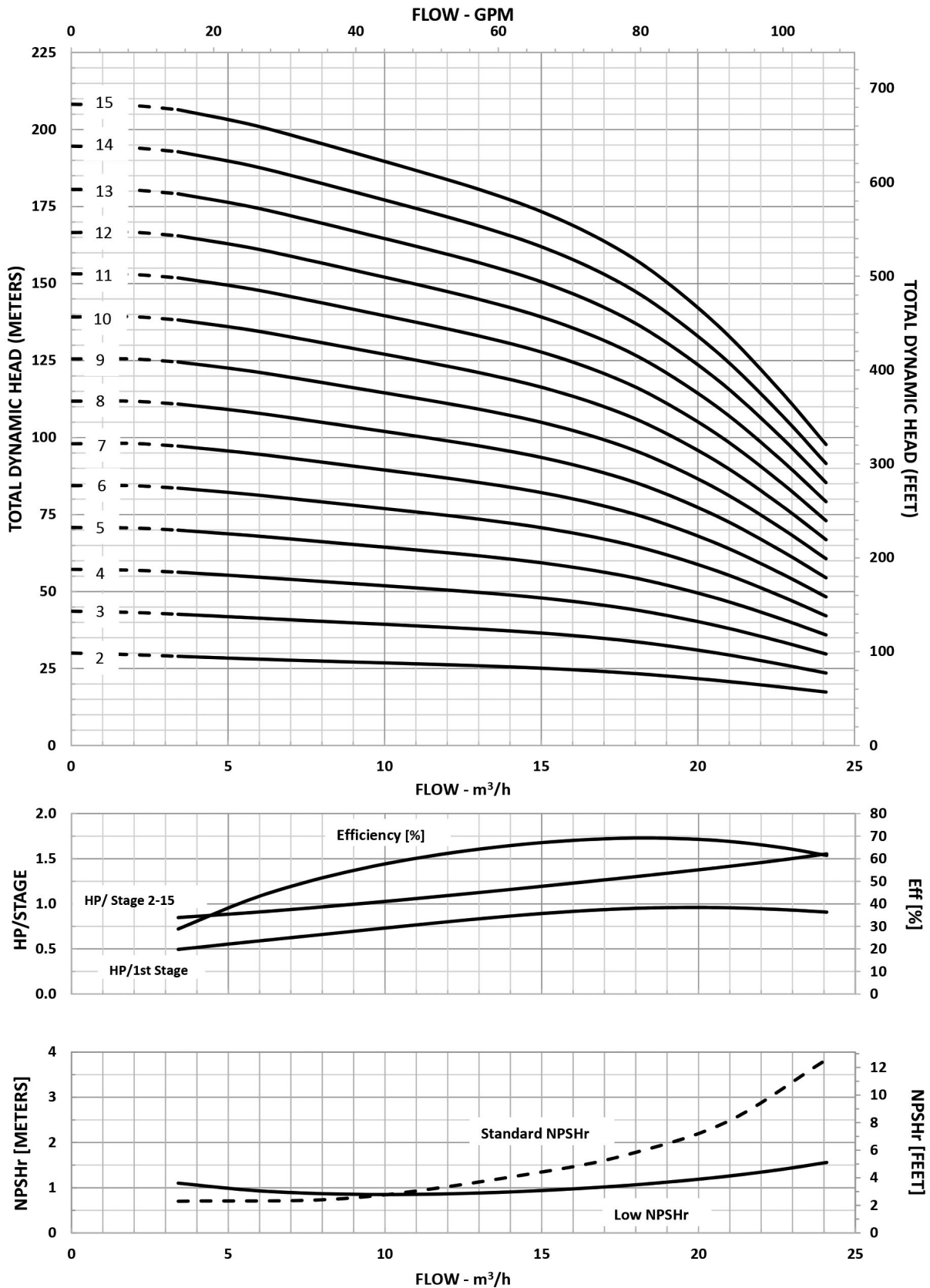
PUMP DIMENSIONS AND WEIGHTS - 15SV SERIES – 50Hz, 2900 RPM ODP/TEFC Enclosures

Pump Type Stages	Motor				Dimensions (in)														Weight (lbs.)																
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump	Motor						Pump/Motor							
		ODP 10	TEFC 10	ODP 30	TEFC 30		ODP 10	TEFC 10	ODP 30	TEFC 30						ODP 10	TEFC 10	ODP 30	TEFC 30			ODP 10	TEFC 10	ODP 30	TEFC 30	ODP 10	TEFC 10	ODP 30	TEFC 30	ODP 10	TEFC 10	ODP 30	TEFC 30	ODPE 30	TEPE 30
15SV-02	3	184TC	182TC	184TC	18.71	13.93	15.43	12.55	13.93	–	–	18.32	18.32	6.87	8.88	8.86	9.02	8.86	5.51	44	81	92	62	69	75	73	125	136	106	113	119	117			
15SV-03					20.60	13.93	15.43	12.55	13.93	–	–	20.21	20.21	6.87	8.89	10.62	8.88	8.86	5.51	47	100	120	75	85	69	80	147	167	122	132	116	127			
15SV-04	5	213TC	184TC	184TC	22.49	13.88	15.53	13.93	15.43	22.49	11.85	22.10	22.10	8.05	8.89	10.62	8.88	8.86	5.51	50	100	120	75	85	69	80	150	170	125	135	119	130			
15SV-05		184TC	182TC	184TC	18.71	13.93	15.43	12.55	13.93	–	–	18.32	18.32	6.87	8.88	8.86	9.02	8.86	5.51	44	81	92	62	69	125	136	106	113							
15SV-06	7.5	215TC	213TC	215TC	26.86	16.63	16.68	15.55	15.51	26.86	15.63	26.47	26.47	8.77	10.62	10.18	10.18	10.28	5.51	66	132	145	107	122	103	118	198	211	173	188	169	184			
15SV-07					28.75	16.63	16.68	15.55	15.51	28.75	17.52	28.36	28.36	8.77	10.62	10.18	10.18	10.28	5.51	69	132	145	107	122	103	118	201	214	176	191	172	187			
15SV-08			213TC	184TC	18.71	13.88	15.53	13.93	15.43	18.71	–	18.32	18.32	8.05	8.89	10.62	8.88	8.86	5.51	45	100	120	75	85	145	165	120								
15SV-09	10	–	215TC	254TC	33.16	–	–	15.55	16.57	33.16	21.30	32.77	32.77	9.22	–	–	10.18	10.28	5.51	79	–	–	125	195	130	154	–	–	204	274	209	233			
15SV-10					35.05	–	–	15.55	16.57	35.05	23.19	34.66	34.66	9.22	–	–	10.18	10.28	5.51	83	–	–	125	195	130	154	–	–	208	278	213	237			
15SV-11			215TC	36.94	–	–	16.66	20.08	36.94	25.08	–	36.55	9.5	–	–	10.18	13.13	5.51	86	–	–	144	285	128	276	–	–	230	371	214	362				
15SV-12	15	–	254TC	256TC	38.83	–	–	16.66	20.08	38.83	26.97	–	38.44	9.5	–	–	10.18	13.13	5.51	89	–	–	144	285	128	276	–	–	233	374	217	365			
15SV-13					40.72	–	–	16.66	20.08	40.72	28.86	–	40.33	9.5	–	–	10.18	13.13	5.51	92	–	–	144	285	128	276	–	–	236	377	220	368			
15SV-14					42.61	–	–	16.66	20.08	42.61	26.97	–	42.22	9.5	–	–	10.18	13.13	5.51	95	–	–	144	285	128	276	–	–	239	380	223	371			
15SV-15					44.50	–	–	16.66	20.08	44.50	32.64	–	44.11	9.5	–	–	10.18	13.13	5.51	98	–	–	144	285	128	276	–	–	242	383	226	374			

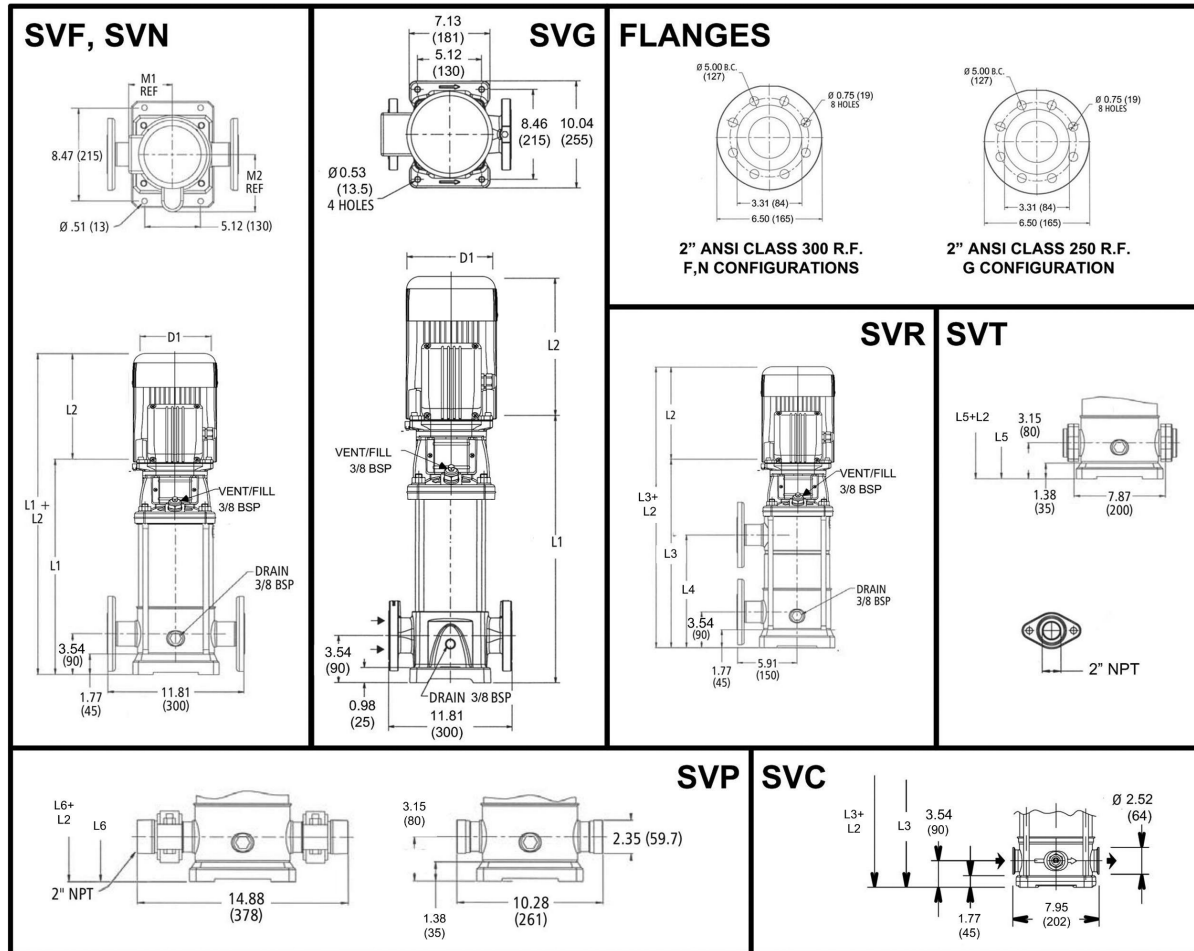
Performance Curve

15SV 50 Hz 2900 RPM

LOW NPSH CURVE



MINIMUM FLOW RATE: 3.4 m^3/hr [15 GPM]



All dimensions are in inches (mm).

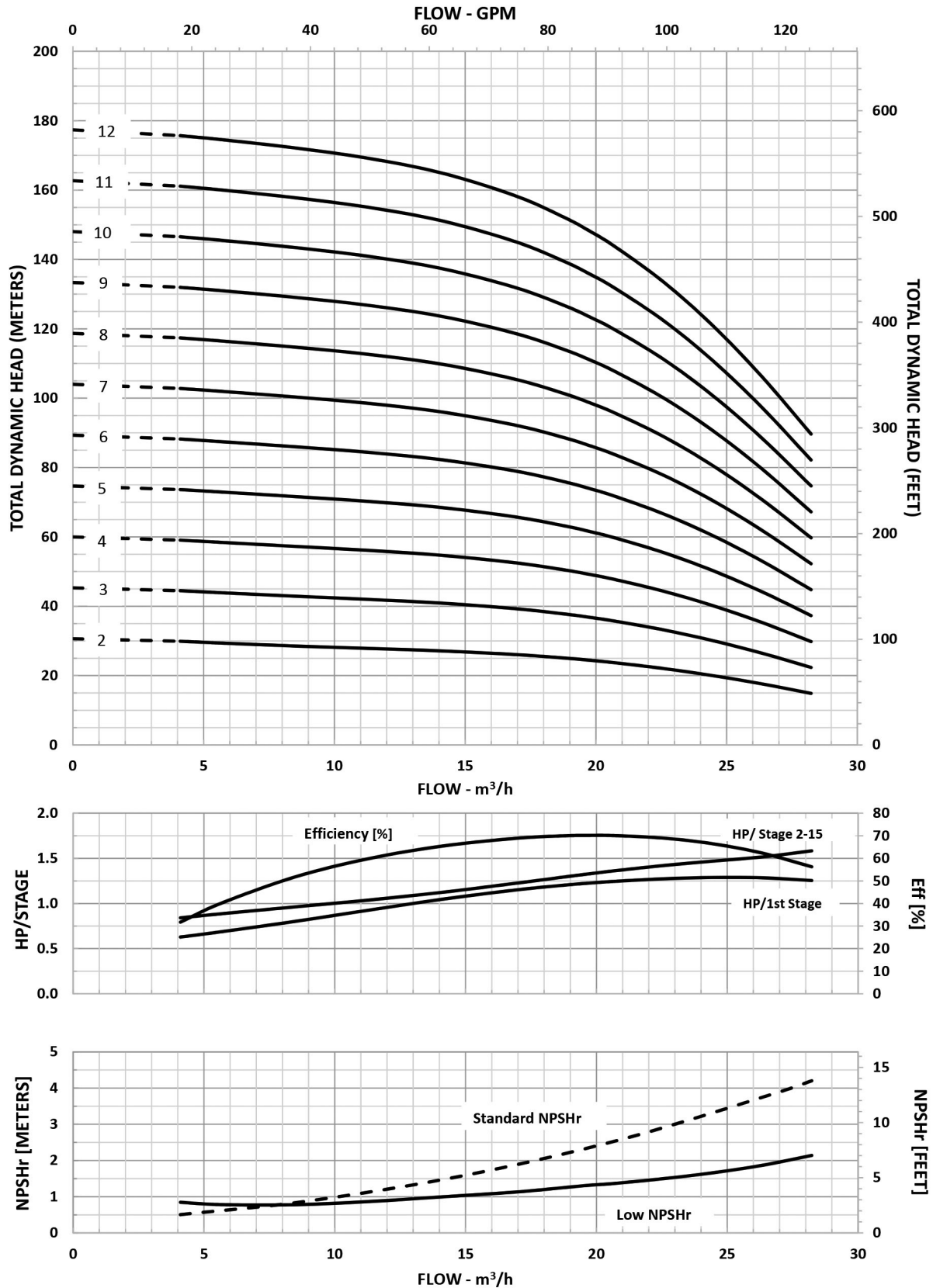
PUMP DIMENSIONS AND WEIGHTS - 22SV SERIES – 50Hz, 2900 RPM ODP/TEFC Enclosures

Pump Type Stages	Motor					Dimensions (in)															Weight (lbs.)								
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D1 (max.)				D2	Pump	Motor				Pump/Motor			
		ODP 10	TEFC 10	ODP 30	TEFC 30		ODP 10	TEFC 10	ODP 30	TEFC 30						ODP 10	TEFC 10	ODP 30	TEFC 30			ODP 10	TEFC 10	ODP 30	TEFC 30	ODP 10	TEFC 10	ODP 30	TEFC 30
22SV-02	3	184TC	213TC	182TC	184TC	18.71	13.93	15.43	12.55	13.93	—	—	18.32	18.32	6.87	8.88	8.86	9.02	8.86	5.51	44	81	92	62	69	125	136	106	113
22SV-03	5	213TC		184TC	20.60	13.88	15.53	13.93	15.43	20.60	—	20.21	20.21	8.05	8.89	10.62	8.88	8.86	5.51	48	100	120	75	85	148	168	123	133	
22SV-04		213TC	215TC		18.71	13.88	15.53	13.93	15.43	18.71	—	18.32	18.32	8.05	8.89	10.62	8.88	8.86	5.51	45	100	120	75	85	145	165	120	—	
22SV-05	7.5	215TC	213TC	215TC	24.97	16.63	16.68	15.55	15.51	24.97	13.74	24.58	24.58	8.77	10.62	10.18	10.28	5.51	61	132	145	107	122	193	206	168	183		
22SV-06			213TC	215TC	27.49	—	—	15.55	16.57	27.49	15.63	27.10	27.10	9.22	—	—	10.18	10.28	5.51	69	—	—	125	195	—	—	194	264	
22SV-07	10	215TC	254TC	29.38	—	—	15.55	16.57	29.38	17.52	28.99	28.99	9.22	—	—	10.18	10.28	5.51	72	—	—	125	195	—	—	197	267		
22SV-08				31.27	—	—	16.66	20.08	31.27	19.41	30.88	30.88	9.5	—	—	10.18	13.13	5.51	75	—	—	144	285	—	—	219	360		
22SV-09	15	254TC	256TC	33.16	—	—	16.66	20.08	33.16	21.30	32.77	32.77	9.5	—	—	10.18	13.13	5.51	77	—	—	144	285	—	—	221	362		
22SV-10				35.05	—	—	16.66	20.08	35.05	23.19	34.66	34.66	9.5	—	—	10.18	13.13	5.51	81	—	—	144	285	—	—	225	366		
22SV-11				36.94	—	—	16.66	20.08	36.94	25.08	—	36.55	9.5	—	—	10.18	13.13	5.51	84	—	—	144	285	—	—	228	369		
22SV-12				38.83	—	—	16.66	20.08	38.83	26.97	—	38.44	9.5	—	—	10.18	13.13	5.51	87	—	—	144	285	—	—	231	372		

Performance Curve

22SV 50 Hz 2900 RPM

LOW NPSH CURVE



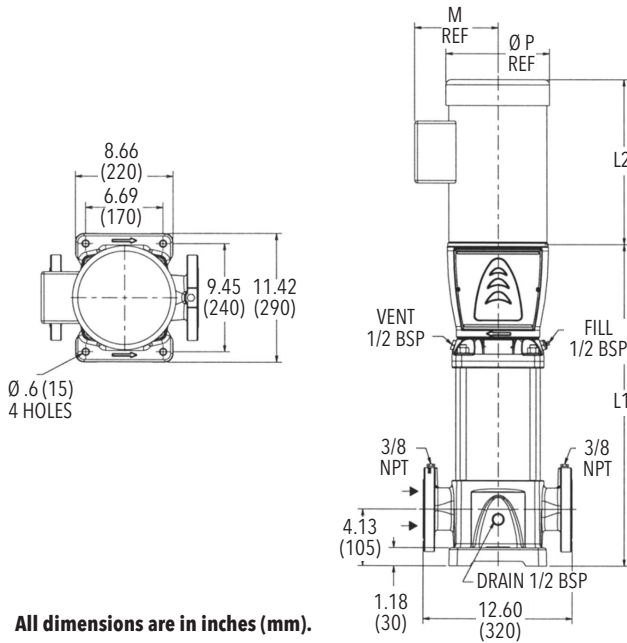
MINIMUM FLOW RATE: 4.1 m^3/hr [18 GPM]

Commercial Water

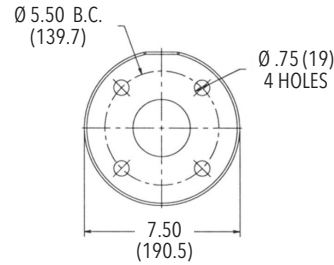
Dimensions and Weights

33SV Series 2900 RPM

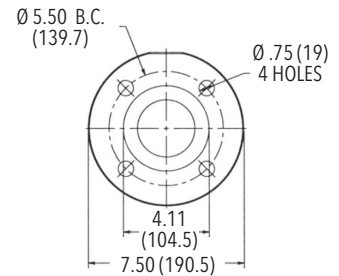
LOW NPSH



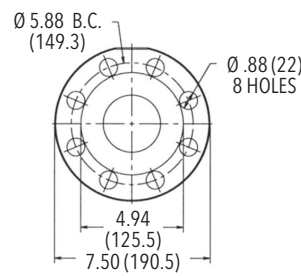
All dimensions are in inches (mm).



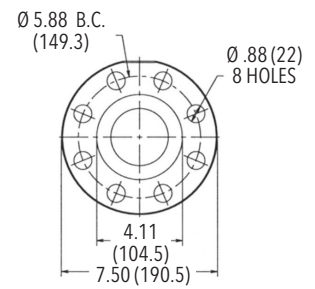
Cast Iron
2 1/2" Class 125 F.F.



316SS
2 1/2" Class 150 R.F.



Cast Iron
2 1/2" Class 250 R.F.



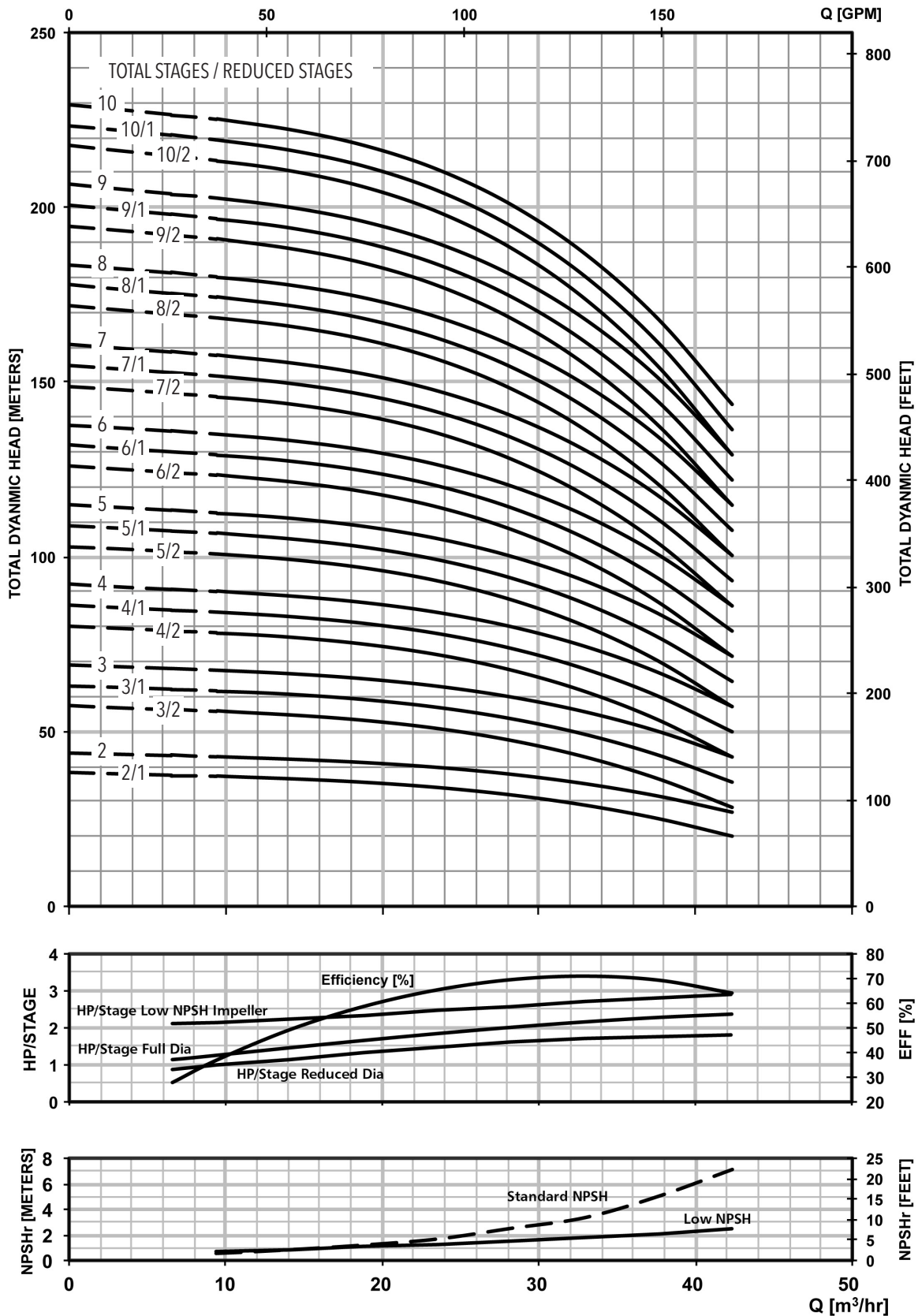
316SS
2 1/2" Class 300 R.F.

Pump Type Stages	Motor					Dimensions (in)										Weight (lbs.)									
	HP	NEMA Frame				L1	L2				M (Ref.)	D1 (max.)				D2	Pump Only	Motor				Pump/Motor			
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
33SV-2/1	7.5	215TC	215TC	213TC	215TC	23.58	16.63	16.68	15.55	15.51	8.77	10.62	10.18	10.18	10.28	5.51	143	132	145	107	122	275	288	250	265
33SV-2						23.58	16.63	16.68	15.55	15.51	8.77	10.62	10.18	10.18	10.28	5.51	143	132	145	107	122	275	288	250	265
33SV-3/2	10	-	-	215TC	254TC	26.54	-	-	15.55	16.57	9.22	-	-	10.18	10.28	5.51	152	-	-	125	195	-	-	277	347
33SV-3/1						26.54	-	-	15.55	16.57	9.22	-	-	10.18	10.28	5.51	152	-	-	125	195	-	-	277	347
33SV-3						26.54	-	-	15.55	16.57	9.22	-	-	10.18	10.28	5.51	152	-	-	125	195	-	-	277	347
33SV-4/2	15	-	-	254TC	256TC	29.50	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51	161	-	-	144	285	-	-	305	446
33SV-4/1						29.50	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51	161	-	-	144	285	-	-	305	446
33SV-4						29.50	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51	161	-	-	144	285	-	-	305	446
33SV-5/2						32.44	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51	172	-	-	144	285	-	-	316	457
33SV-5/1						32.44	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51	172	-	-	144	285	-	-	316	457
33SV-5						32.44	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51	172	-	-	144	285	-	-	316	457
33SV-6/2	20	-	-	254TC	284TC	35.40	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51	194	-	-	185	283	-	-	379	477
33SV-6/1						35.40	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51	194	-	-	185	283	-	-	379	477
33SV-6						35.40	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51	194	-	-	185	283	-	-	379	477
33SV-7/2						38.35	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51	204	-	-	185	283	-	-	389	487
33SV-7/1						38.35	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51	204	-	-	185	283	-	-	389	487
33SV-7						38.35	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51	204	-	-	185	283	-	-	389	487
33SV-8/2	25	-	-	284TC	286TC	41.30	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51	221	-	-	296	382	-	-	517	603
33SV-8/1						41.30	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51	221	-	-	296	382	-	-	517	603
33SV-8						41.30	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51	221	-	-	296	382	-	-	517	603
33SV-9/2						44.25	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51	230	-	-	296	382	-	-	526	612
33SV-9/1						44.25	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51	230	-	-	296	382	-	-	526	612
33SV-9						44.25	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51	230	-	-	315	446	-	-	545	676
33SV-10/2	30	-	-	286TC	286TC	47.20	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51	249	-	-	315	446	-	-	564	695
33SV-10/1						47.20	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51	249	-	-	315	446	-	-	564	695
33SV-10						47.20	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51	249	-	-	315	446	-	-	564	695

Performance Curve

33SV 50 Hz 2900 RPM

LOW NPSH CURVE

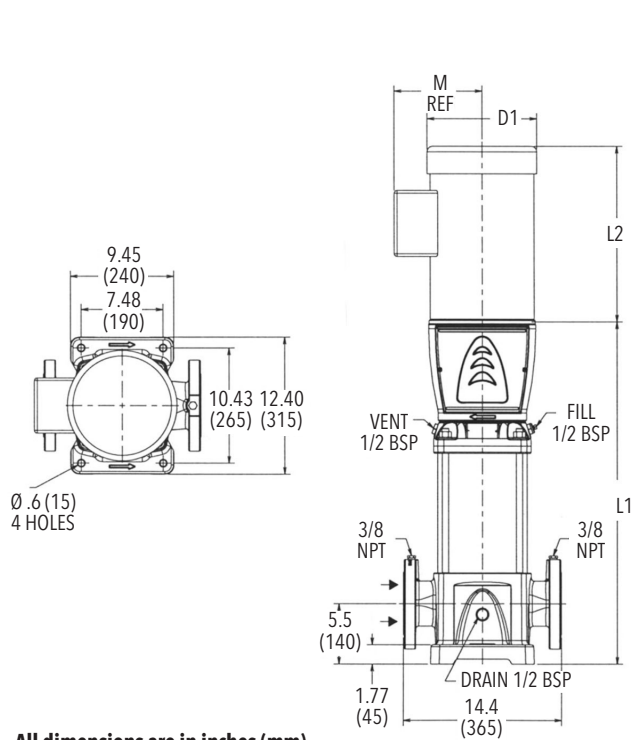


MINIMUM FLOW RATE: 8 m³/hr [35 GPM]

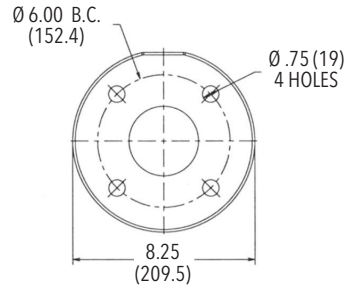
Dimensions and Weights

46SV Series 2900 RPM

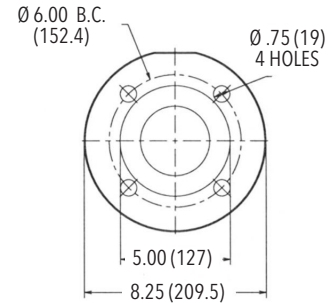
LOW NPSH



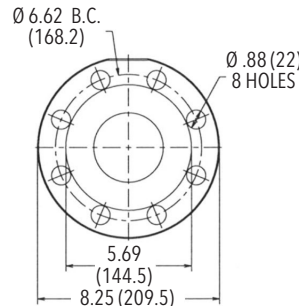
All dimensions are in inches (mm).



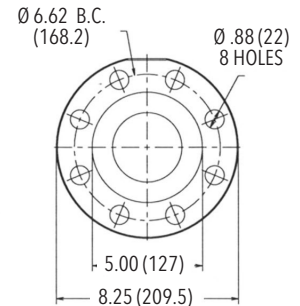
Cast Iron
3" Class 125 F.F.



316SS
3" Class 150 R.F.



Cast Iron
3" Class 250 R.F.



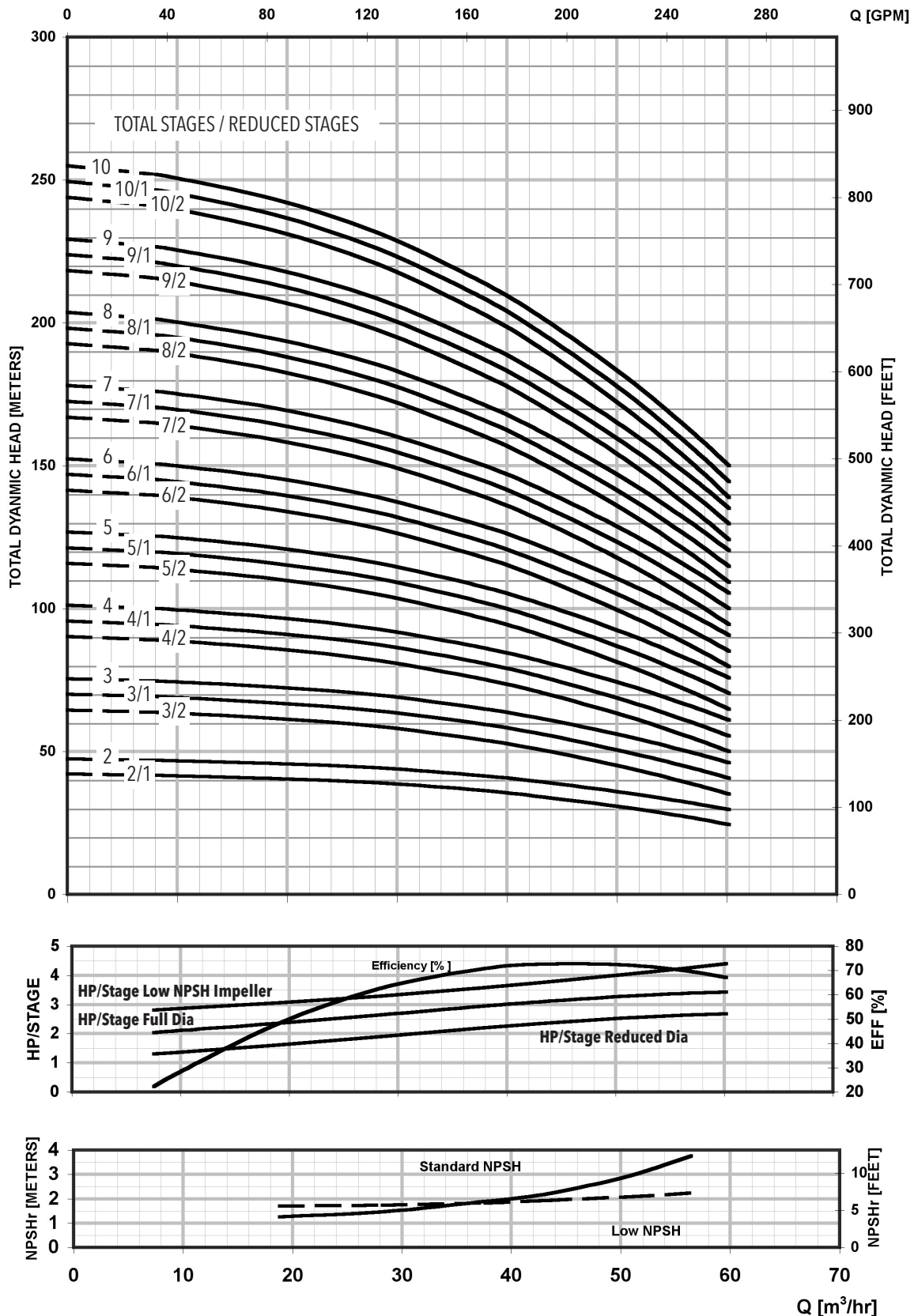
316SS
3" Class 300 R.F.

Pump Type Stages	Motor					Dimensions (in)												Weight (lbs.)							
	HP	NEMA Frame				L1	L2				M (Ref.)	D1 (max.)				D2	Pump Only	Motor				Pump/Motor			
		ODP 10	TEFC 10	ODP 30	TEFC 30		ODP 10	TEFC 10	ODP 30	TEFC 30		ODP 10	TEFC 10	ODP 30	TEFC 30			ODP 10	TEFC 10	ODP 30	TEFC 30	ODP 10	TEFC 10	ODP 30	TEFC 30
46SV-2/1	10	-	-	215TC	254TC	25.19	-	-	15.55	16.57	9.22	-	-	10.18	10.28	5.51181	158	-	-	125	195	-	-	283	353
46SV-2		-	-			25.19	-	-	15.55	16.57	9.22	-	-	10.18	10.28	5.51181	158	-	-	125	195	-	-	283	353
46SV-3/2	15	-	-	254TC	256TC	28.12	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51181	169	-	-	144	285	-	-	313	454
46SV-3/1		-	-			28.12	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51181	169	-	-	144	285	-	-	313	454
46SV-3		-	-			28.12	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51181	169	-	-	144	285	-	-	313	454
46SV-4/2		-	-			32.63	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	185	-	-	185	283	-	-	370	468
46SV-4/1	20	-	-	254TC	284TC	32.63	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	185	-	-	185	283	-	-	370	468
46SV-4		-	-			32.63	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	185	-	-	185	283	-	-	370	468
46SV-5/2		-	-			35.56	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	199	-	-	185	283	-	-	384	482
46SV-5/1		-	-			35.56	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	199	-	-	185	283	-	-	384	482
46SV-5	25	-	-	284TC	286TC	35.56	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51181	199	-	-	296	382	-	-	495	581
46SV-6/2		-	-			38.50	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51181	208	-	-	296	382	-	-	504	590
46SV-6/1		-	-			38.50	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51181	208	-	-	296	382	-	-	504	590
46SV-6		-	-			38.50	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	208	-	-	315	446	-	-	523	654
46SV-7/2	30	-	-	286TC	286TC	40.94	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	225	-	-	315	446	-	-	540	671
46SV-7/1		-	-			40.94	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	225	-	-	315	446	-	-	540	671
46SV-7		-	-			40.94	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	225	-	-	315	446	-	-	540	671
46SV-8/2		-	-			43.94	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	234	-	-	320	450	-	-	554	684
46SV-8/1	40	-	-	324TSC	326TSC	43.94	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	234	-	-	320	450	-	-	554	684
46SV-8		-	-			43.94	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	234	-	-	320	450	-	-	554	684
46SV-9/2		-	-			46.88	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	253	-	-	320	450	-	-	573	703
46SV-9/1		-	-			46.88	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	253	-	-	320	450	-	-	573	703
46SV-9		-	-			46.88	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	253	-	-	320	450	-	-	573	703
46SV-10/2		-	-			49.81	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	264	-	-	320	450	-	-	584	714

Performance Curve

46SV 50 Hz 2900 RPM

LOW NPSH CURVE

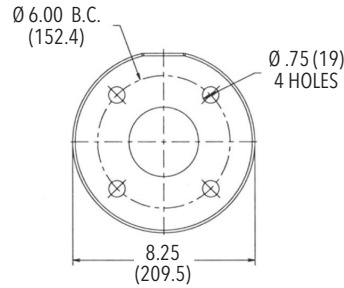
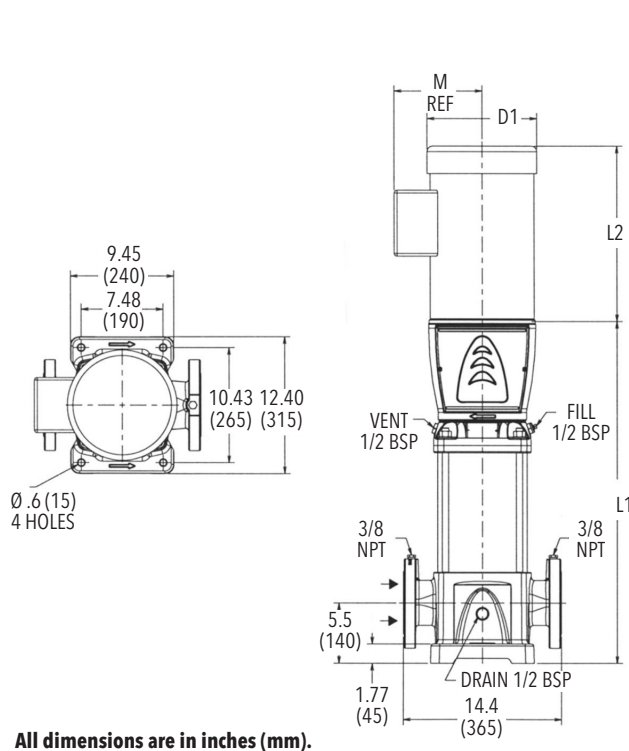


MINIMUM FLOW RATE: 9 m^3/hr [40 GPM]

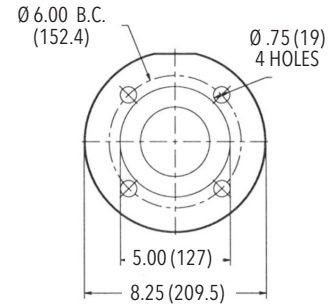
Dimensions and Weights

66SV Series 2900 RPM

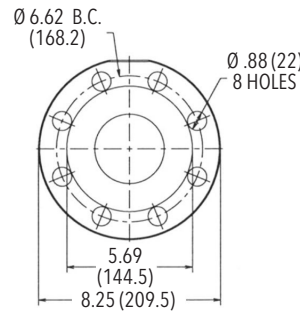
LOW NPSH



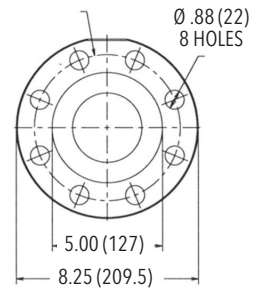
Cast Iron
3" Class 125 F.F.



316SS
3" Class 150 R.F.



Cast Iron
3" Class 250 R.F.



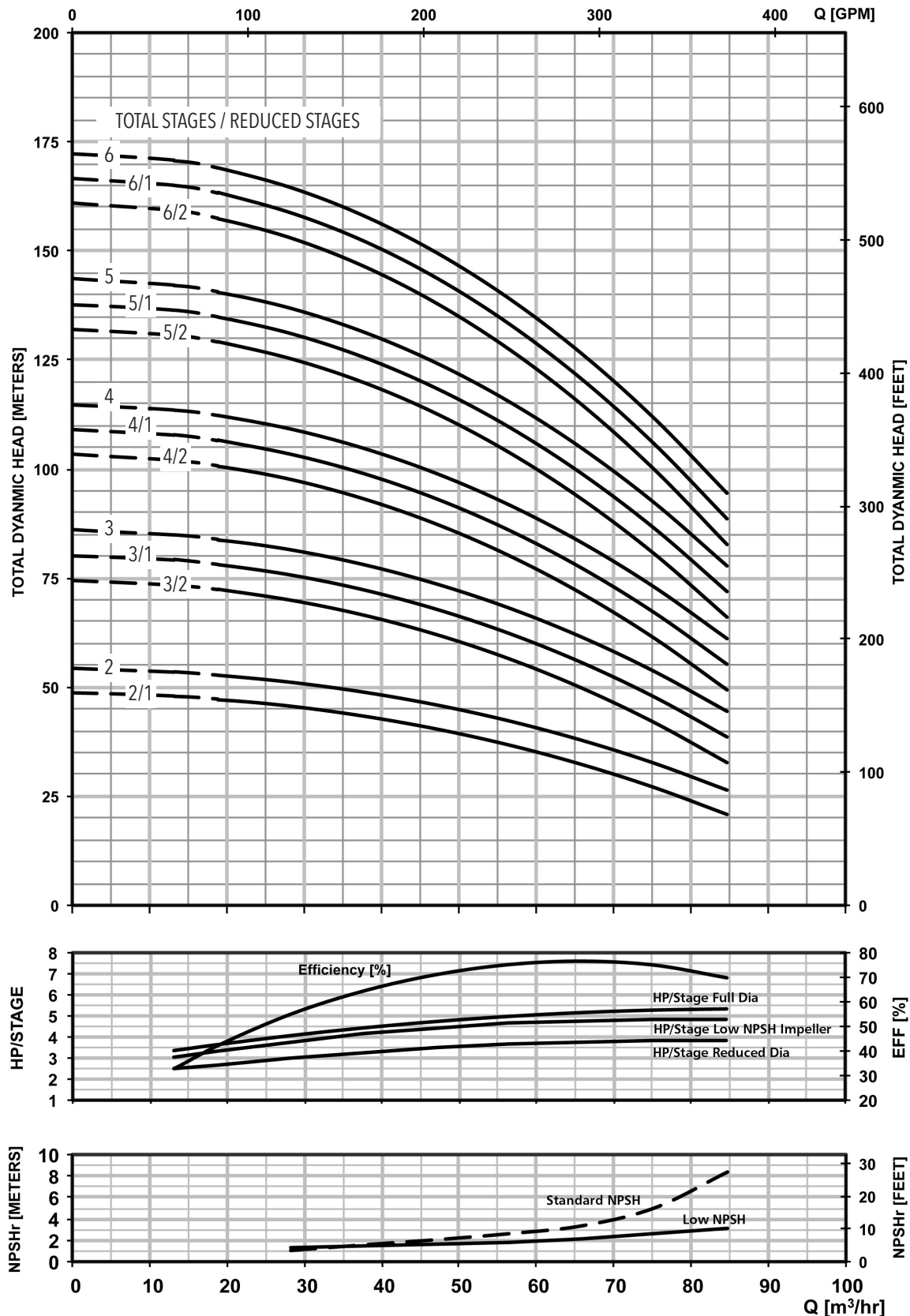
316SS
3" Class 300 R.F.

Pump Type Stages	HP	Motor				Dimensions (in)												Weight (lbs.)							
		NEMA Frame				L1	L2				M (Ref.)	D1 (max.)				D2	Pump Only	Motor				Pump/Motor			
		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø			ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
66SV-2/1	15	-	-	254TC	256TC	26.75	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51181	196	-	-	144	285	-	-	340	481
66SV-2		-	-			26.75	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51181	196	-	-	144	285	-	-	340	481
66SV-3/2		-	-			31.81	-	-	16.66	20.08	9.5	-	-	10.18	13.13	5.51181	223	-	-	144	285	-	-	367	508
66SV-3/1	20	-	-	254TC	284TC	31.81	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	223	-	-	185	283	-	-	408	506
66SV-3		-	-			31.81	-	-	21.44	19.54	12.94	-	-	11.63	12.94	5.51181	223	-	-	185	283	-	-	408	506
66SV-4/2		-	-			35.38	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51181	234	-	-	296	382	-	-	530	616
66SV-4/1	25	-	-	284TC	286TC	35.38	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51181	234	-	-	296	382	-	-	530	616
66SV-4		-	-			35.38	-	-	21.75	19.54	12.21	-	-	13.25	12.94	5.51181	234	-	-	296	382	-	-	530	616
66SV-5/2		-	-			39.44	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	244	-	-	315	446	-	-	559	690
66SV-5/1	30	-	-	286TC	286TC	39.44	-	-	21.75	23.18	13.11	-	-	13.25	15.56	5.51181	244	-	-	315	446	-	-	559	690
66SV-5		-	-			39.44	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	244	-	-	320	450	-	-	564	694
66SV-6/2		-	-			41.94	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	266	-	-	320	450	-	-	586	716
66SV-6/1	40	-	-	324TSC	326TSC	41.94	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	266	-	-	320	450	-	-	586	716
66SV-6		-	-			41.94	-	-	22.75	23.19	12.21	-	-	13.03	15.69	0	266	-	-	320	450	-	-	586	716

Performance Curve

66SV 50 Hz 2900 RPM

LOW NPSH CURVE



MINIMUM FLOW RATE: 16 m^3/hr [70 GPM]

Technical Data - Pump Hydraulics / Motor Sizing

1SV 3500 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame						
			ODP	TEFC		ODP	TEFC					
30	3.52	5.00	184TC	184TC	5.00	184TC	184TC	871	377	26.0	40 Bar (580 psi)	Class 250 / 300
29	3.41	3.00	56C	56C		184TC	184TC	842	365	25.2		
28	3.29		56C	56C		184TC	184TC	813	352	24.3		
27	3.18		56C	56C		184TC	184TC	783	339	23.4		
26	3.06		56C	56C		184TC	184TC	754	326	22.5		
25	2.95		56C	56C	3.00	56C	56C	725	314	21.7		
24	2.83		56C	56C		56C	56C	697	302	20.8		
23	2.72		56C	56C		56C	56C	669	290	20.0		
22	2.60		56C	56C		56C	56C	641	277	19.1		
21	2.49		56C	56C		56C	56C	612	265	18.3		
20	2.37		56C	56C	56C	56C	584	253	17.4			
19	2.26	2.00	56C	56C	56C	56C	553	239	16.5			
18	2.14		56C	56C	56C	56C	522	226	15.6			
17	2.03		56C	56C	56C	56C	494	214	14.8			
16	1.91		56C	56C	2.00	56C	56C	466	202	13.9		
15	1.80		56C	56C		56C	56C	438	190	13.1		
14	1.68	56C	56C	56C		56C	409	177	12.2			
13	1.57	1.50	56C	56C	1.50	56C	56C	380	164	11.3		
12	1.45		56C	56C		56C	56C	351	152	10.5		
11	1.34		56C	56C		56C	56C	323	140	9.7		
10	1.22		56C	56C		56C	56C	291	126	8.7		
9	1.11	1.00	56C	56C	1.00	56C	56C	264	114	7.9		
8	0.99		56C	56C		56C	56C	236	102	7.1		
7	0.88		56C	56C		56C	56C	207	90	6.2		
6	0.76	0.75	56C	56C	0.75	56C	56C	179	78	5.4		
5	0.65		56C	56C		56C	56C	147	64	4.4		
4	0.53	0.50	56C	56C	0.50	56C	56C	120	52	3.6		
3	0.42		56C	56C		56C	56C	93	40	2.8		

Commercial Water

Technical Data - Pump Hydraulics / Motor Sizing

3SV 3500 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating	
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame							
			ODP	TEFC		ODP	TEFC						
30	6.32	7.50	213TC	213TC	7.50	213TC	213TC	1081	468	32.3	40 Bar (580 psi)	Class 250 / 300	
29	6.11		213TC	213TC		213TC	213TC	1045	452	31.2			
28	5.90		213TC	213TC		213TC	213TC	1009	437	30.2			
27	5.70	5.00	184TC	184TC	5.00	213TC	213TC	973	421	29.1	40 Bar (580 psi)		
26	5.49		184TC	184TC		213TC	213TC	937	406	28.0			
25	5.28		184TC	184TC		213TC	213TC	901	390	26.9			
24	5.07		184TC	184TC	213TC	213TC	865	375	25.9				
23	4.86		184TC	184TC	5.00	184TC	184TC	829	359	24.8	25 Bar (362 psi)		
22	4.66		184TC	184TC		184TC	184TC	794	344	23.7			
21	4.45		184TC	184TC		184TC	184TC	758	328	22.7			
20	4.24		184TC	184TC		184TC	184TC	720	312	21.5			
19	4.03		184TC	184TC		184TC	184TC	681	295	20.4			
18	3.82		184TC	184TC	184TC	184TC	646	280	19.3				
17	3.62		184TC	184TC	184TC	184TC	611	264	18.3				
16	3.41	3.00	56C	56C	3.00	184TC	184TC	574	248	17.1			25 Bar (362 psi)
15	3.20		56C	56C		184TC	184TC	536	232	16.0			
14	2.99		56C	56C		56C	56C	501	217	15.0			
13	2.78		56C	56C	56C	56C	466	202	13.9				
12	2.58		56C	56C	56C	56C	431	187	12.9				
11	2.37	56C	56C	2.00	56C	56C	395	171	11.8	25 Bar (362 psi)			
10	2.16	56C	56C		56C	56C	357	155	10.7				
9	1.95	56C	56C		56C	56C	322	139	9.6				
8	1.74	1.50	56C	56C	56C	56C	286	124	8.5				
7	1.54		56C	56C	56C	56C	251	109	7.5				
6	1.33	1.00	56C	56C	1.50	56C	56C	216	93		6.4		
5	1.12		56C	56C		56C	56C	179	77		5.3		
4	0.91		56C	56C	1.00	56C	56C	143	62		4.3		
3	0.70	0.75	56C	56C	0.75	56C	56C	106	46		3.2		

Commercial Water

Technical Data - Pump Hydraulics / Motor Sizing

5SV 3500 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF		Motor Selection 1.0 SF			Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating				
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP						TEFC			
27	9.24	10.00	215TC	215TC	10.00	215TC	215TC	994	430	29.7	40 Bar (580 psi)	Class 250 / 300			
26	8.92		215TC	215TC		215TC	215TC	957	414	28.6					
25	8.59		215TC	215TC		215TC	215TC	920	398	27.5					
24	8.26	7.50	213TC	213TC	7.50	215TC	215TC	882	382	26.4	25 Bar (362 psi)				
23	7.94		213TC	213TC		215TC	215TC	845	366	25.3					
22	7.61		213TC	213TC		215TC	215TC	815	353	24.4					
21	7.29		213TC	213TC		213TC	213TC	778	337	23.3					
20	6.96		213TC	213TC		213TC	213TC	741	321	22.2					
19	6.63		213TC	213TC		213TC	213TC	704	305	21.0					
18	6.31		213TC	213TC		213TC	213TC	668	289	20.0					
17	5.98		213TC	213TC		213TC	213TC	631	273	18.9					
16	5.66	5.00	184TC	184TC	5.00	213TC	213TC	596	258	17.8			25 Bar (362 psi)		
15	5.33		184TC	184TC		213TC	213TC	560	243	16.8					
14	5.00		184TC	184TC		184TC	184TC	525	227	15.7					
13	4.68		184TC	184TC		184TC	184TC	486	210	14.5					
12	4.35		184TC	184TC		184TC	184TC	451	195	13.5					
11	4.03		184TC	184TC		184TC	184TC	415	180	12.4					
10	3.70		184TC	184TC		184TC	184TC	378	164	11.3					
9	3.37		3.00	56C		56C	3.00	184TC	184TC	343				149	10.3
8	3.05	56C		56C	184TC	184TC		308	133	9.2					
7	2.72	56C		56C	56C	56C		273	118	8.2					
6	2.40	56C		56C	56C	56C		238	103	7.1					
5	2.07	2.00	56C	56C	2.00	56C	56C	201	87	6.0				25 Bar (362 psi)	
4	1.74	1.50	56C	56C		56C	56C	165	71	4.9					
3	1.42		56C	56C		1.50	56C	56C	129	56					3.9

10SV 3500 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame						
			ODP	TEFC		ODP	TEFC					
20	19.79	20.00	254TC	256TC	20.00	254TC	256TC	1160	502	34.7	40 Bar (580 psi)	Vactaulic
19	18.90		254TC	256TC		254TC	256TC	1102	477	32.9		
18	18.01		254TC	256TC		254TC	256TC	1043	452	31.2		Class 250 / 300
17	17.11		215TC	254TC		254TC	256TC	985	427	29.4		
16	16.22	15.00	215TC	254TC	15.00	254TC	256TC	927	401	27.7	25 Bar (362 psi)	
15	15.33		215TC	254TC		254TC	256TC	869	376	26.0		
14	14.44		215TC	254TC		215TC	254TC	811	351	24.2		
13	13.55		215TC	254TC		215TC	254TC	756	327	22.6		
12	12.65		215TC	254TC		215TC	254TC	697	302	20.8		
11	11.76		215TC	254TC		215TC	254TC	642	278	19.2		
10	10.87	10.00	215TC	215TC	10.00	215TC	254TC	585	253	17.5		Class 250 / 300
9	9.98		215TC	215TC		215TC	215TC	526	228	15.7		
8	9.09		215TC	215TC		215TC	215TC	469	203	14.0		
7	8.19	7.50	213TC	213TC	7.50	215TC	215TC	412	178	12.3		
6	7.30		213TC	213TC		213TC	213TC	355	154	10.6		
5	6.41		213TC	213TC		213TC	213TC	296	128	8.8		
4	5.52	5.00	184TC	184TC	5.00	213TC	213TC	239	103	7.1	Class 250 / 300	
3	4.63		184TC	184TC		184TC	184TC	181	78	5.4		
2	3.73		184TC	184TC		184TC	184TC	121	52	3.6		

Commercial Water

Technical Data - Pump Hydraulics / Motor Sizing

15SV 3500 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame						
			ODP	TEFC		ODP	TEFC					
2	4.3	5	182TC	184TC	5	182TC	182TC	144	62	4.3	25 Bar (362 psi)	Class 250 / 300
3	5.9	7.5	184TC	184TC	7.5	182TC	182TC	209	90	6.2		
4	7.6	7.5	213TC	213TC	10	213TC	215TC	273	118	8.2		
5	9.2	10	213TC	215TC	10	213TC	215TC	338	147	10.1		
6	10.9	10	213TC	215TC	15	215TC	254TC	403	175	12		
7	12.6	15	215TC	254TC	15	215TC	254TC	468	203	14		
8	14.3	15	215TC	254TC	15	215TC	254TC	535	231	16		
9	16.0	15	215TC	254TC	20	254TC	256TC	600	260	17.9		
10	17.6	20	254TC	256TC	20	254TC	256TC	665	288	19.8		
11	19.3	20	254TC	256TC	20	254TC	256TC	732	317	21.8		
12	21	20	254TC	256TC	25	254TC	284TC	796	345	23.8	40 Bar (580 psi)	
13	22.7	20	254TC	256TC	25	254TC	284TC	863	374	25.8		
14	24.4	25	254TC	284TC	25	254TC	284TC	930	403	27.8		
15	26.1	25	254TC	284TC	30	284TC	286TC	995	431	29.7		

22SV 3500 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame						
			ODP	TEFC		ODP	TEFC					
2	5	5	182TC	184TC	5	182TC	184TC	146	63	4.4	25 Bar (362 psi)	Class 250 / 300
3	7.2	7.5	184TC	184TC	7.5	184TC	184TC	217	94	6.5		
4	9.5	10	213TC	215TC	10	213TC	215TC	287	124	8.6		
5	11.7	15	215TC	215TC	15	215TC	215TC	357	155	10.6		
6	14	15	215TC	254TC	15	215TC	254TC	427	185	12.7		
7	16.2	15	215TC	254TC	20	254TC	256TC	497	215	14.8		
8	18.5	20	254TC	256TC	20	254TC	256TC	567	246	16.9		
9	20.7	20	254TC	256TC	25	254TC	284TC	637	276	19		
10	23	20	254TC	256TC	25	254TC	284TC	707	306	21.1		
11	25.2	25	254TC	284TC	25	254TC	284TC	778	337	23.2		
12	27.5	25	254TC	284TC	30	284TC	286TC	848	367	25.3	40 Bar (580 psi)	

Technical Data - Pump Hydraulics / Motor Sizing

33SV 3500 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating	Stages Requiring Thrust Balancing Piston							
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame														
			ODP	TEFC		ODP	TEFC													
10	57.3	50.00	326TSC		60	326TSC	364TSC	1127	488	33.7	40 Bar (580 psi)	Class 250 / 300	Thrust Piston Required							
10/1	56.0							1096	475	32.8										
10/2	54.7							1065	461	31.8										
9	51.7							1013	438	30.3										
9/1	50.4							982	425	29.3										
9/2	49.1							951	412	28.4										
8	46.1	40.00	284TSC		50	326TSC		898	389	26.8	25 Bar (362 psi)			Class 125 / 150						
8/1	44.8							867	376	25.9										
8/2	43.5							837	362	25.0										
7	40.5							784	339	23.4										
7/1	39.2							753	326	22.5										
7/2	37.9							720	312	21.5										
6	34.9	30.00	284TSC		40	284TSC		668	289	20.0		Class 125 / 150								
6/1	33.6							638	276	19.1										
6/2	32.3							611	264	18.3										
5	29.3							554	240	16.6										
5/1	28.0							523	226	15.6										
5/2	26.7							493	213	14.7										
4	23.7	25.00	256TC	284TC	30	284TSC		442	191	13.2	Class 125 / 150									
4/1	22.4							25	256TC	284TC							411	178	12.3	
4/2	21.1																382	165	11.4	
3	18.1	20.00	254TC	256TC	20	254TC	256TC	328	142	9.8							Class 125 / 150			
3/1	16.8							295	128	8.8										
3/2	15.5							263	114	7.9										
2	12.5	15.00	215TC	254TC		15	215TC	254TC	213	92		6.4	Class 125 / 150							
2/1	11.2								180	78		5.4								

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Technical Data - Pump Hydraulics / Motor Sizing

46SV 3500 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame							
			ODP	TEFC		ODP	TEFC						
9	75.2	75	365TSC		75	365TSC		1133	490	33.9	40 Bar (580 psi)	Class 250 / 300	Thrust Piston Required
9/1	73.4							1095	474	32.7			
9/2	71.6							1057	458	31.6			
8	67.1	60	326TSC	364TSC				1006	435	30.1			
8/1	65.3							968	419	28.9			
8/2	63.5							930	403	27.8			
7	59.0				879	380	26.3						
7/1	57.2	60	326TSC	364TSC	841	364	25.1	25 Bar (362 psi)					
7/2	55.4				803	348	24.0						
6	50.9				751	325	22.4						
6/1	49.1				713	309	21.3						
6/2	47.3	50	326TSC		675	292	20.2						
5	42.8				623	270	18.6						
5/1	41.0				585	253	17.5						
5/2	39.2				552	239	16.5						
4	34.7	40	284TSC		497	215	14.9		Class 125 / 150				
4/1	32.9				461	199	13.8						
4/2	31.1				426	184	12.7						
3	26.6				369	160	11.0						
3/1	24.8	25	256TC	284TC	335	145	10.0						
3/2	23.0				298	129	8.9						
2	18.5	20	254TC	256TC	243	105	7.3						
2/1	16.7	15	215TC	254TC	208	90	6.2						

66SV 3500 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating	Stages Requiring Thrust Balancing Piston							
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame														
			ODP	TEFC		ODP	TEFC													
6	74.3	75	365TSC		75.00	365TSC		825	357	24.7	40 Bar (580 psi)	Class 250 / 300	Thrust Piston Required							
6/1	70.7							800	346	23.9										
6/2	67.1							766	331	22.9										
5	61.7	60	326TSC	364TSC	60.00	326TSC	364TSC	688	298	20.5	25 Bar (362 psi)									
5/1	58.1							662	286	19.8										
5/2	54.5							628	272	18.8										
4	49.1	50	326TSC		50.00	326TSC		550	238	16.4					Class 125					
4/1	45.5							524	227	15.7										
4/2	41.9							488	211	14.6										
3	36.5	40	284TSC		40.00	284TSC		419	181	12.5							/ 150			
3/1	32.9							384	166	11.5										
3/2	29.3							350	152	10.5										
2	23.9	25	256TC	284TC	25.00	256TC	284TC	282	122	8.4										
2/1	20.3							242	105	7.2										

Technical Data - Pump Hydraulics / Motor Sizing

1SV 2900 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Meters)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating	
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame							
			ODP	TEFC		ODP	TEFC						
30	2.05	2.00	56C	56C	3.00	184TC	184TC	183	260	18.0	25 Bar (362 psi)	Class 250 / 300	
29	1.98		56C	56C	2.00	56C	56C	178	253	17.5			
28	1.91		56C	56C		56C	56C	172	244	16.9			
27	1.85		56C	56C		56C	56C	166	236	16.2			
26	1.78		56C	56C		56C	56C	160	227	15.7			
25	1.71	1.50	56C	56C	1.50	56C	56C	154	219	15.1			
24	1.65		56C	56C		56C	56C	149	211	14.6			
23	1.58		56C	56C		56C	56C	142	202	13.9			
22	1.50		56C	56C		56C	56C	136	193	13.3			
21	1.44		56C	56C	56C	56C	131	186	12.8				
20	1.37		56C	56C	56C	56C	125	177	12.2				
19	1.30		56C	56C	56C	56C	119	168	11.6				
18	1.24		56C	56C	56C	56C	113	160	11.0				
17	1.17		1.00	56C	56C	1.00	56C	56C	107	151			10.4
16	1.11			56C	56C		56C	56C	100	141			9.7
15	1.03	56C		56C	56C		56C	92	131	9.1			
14	0.97	56C		56C	56C		56C	87	123	8.5			
13	0.90	56C		56C	0.75	56C	56C	81	115	7.9			
12	0.84	0.75	56C	56C		56C	56C	73	103	7.1			
11	0.77		56C	56C		56C	56C	67	95	6.5			
10	0.70		56C	56C	56C	56C	61	87	6.0				
9	0.63	0.50	56C	56C	0.75	56C	56C	56	79	5.4			
8	0.57		56C	56C		56C	56C	48	68	4.7			
7	0.50		56C	56C	0.50	56C	56C	42	60	4.1			
6	0.43		56C	56C		56C	56C	37	52	3.6			
5	0.37		56C	56C		56C	56C	31	44	3.1			
4	0.30		56C	56C		56C	56C	25	36	2.5			
3	0.24		56C	56C		56C	56C	20	28	1.9			

Commercial Water

Technical Data - Pump Hydraulics / Motor Sizing

3SV 2900 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Meters)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame						
			ODP	TEFC		ODP	TEFC					
30	3.30	3.00	184TC	184TC	5.00	213TC	213TC	236	336	23.1	25 Bar (362 psi)	Class 250 / 300
29	3.15		184TC	184TC		213TC	213TC	229	325	22.4		
28	3.05		184TC	184TC		213TC	213TC	221	315	21.7		
27	2.94		184TC	184TC	3.00	184TC	184TC	214	304	20.9		
26	2.83		184TC	184TC		184TC	184TC	206	292	20.1		
25	2.73		184TC	184TC		184TC	184TC	198	281	19.4		
24	2.62		184TC	184TC		184TC	184TC	190	270	18.6		
23	2.51		184TC	184TC		184TC	184TC	183	260	17.9		
22	2.40		184TC	184TC		184TC	184TC	176	250	17.2		
21	2.29	2.00	56C	56C	2.00	184TC	184TC	168	239	16.5		
20	2.19		56C	56C		184TC	184TC	161	229	15.8		
19	2.08		56C	56C		184TC	184TC	154	218	15.0		
18	1.97		56C	56C	56C	56C	146	207	14.3			
17	1.86		56C	56C	56C	56C	137	195	13.4			
16	1.76		56C	56C	56C	56C	130	184	12.7			
15	1.65		56C	56C	56C	56C	122	174	12.0			
14	1.54		56C	56C	1.50	56C	56C	115	163	11.2		
13	1.43		56C	56C		56C	56C	106	151	10.4		
12	1.35	56C	56C	56C		56C	99	141	9.7			
11	1.24	56C	56C	56C		56C	92	130	9.0			
10	1.13	56C	56C	56C		56C	85	120	8.3			
9	1.02	1.00	56C	56C	1.00	56C	56C	77	109	7.5		
8	0.91		56C	56C		56C	56C	69	98	6.8		
7	0.80		56C	56C		56C	56C	61	87	6.0		
6	0.68	0.75	56C	56C	0.75	56C	56C	54	77	5.3		
5	0.57		56C	56C		56C	56C	46	65	4.5		
4	0.47		56C	56C		56C	56C	39	55	3.8		
3	0.36	0.50	56C	56C	0.50	56C	56C	32	45	3.1		

Technical Data - Pump Hydraulics / Motor Sizing

5SV 2900 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Meters)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame						
			ODP	TEFC		ODP	TEFC					
27	5.26	5.00	213TC	213TC	7.50	215TC	215TC	209	297	20.5	25 Bar (362 psi)	Class 250 / 300
26	5.07		213TC	213TC		215TC	215TC	202	286	19.7		
25	4.83		213TC	213TC	5.00	213TC	213TC	194	275	19.0		
24	4.65		213TC	213TC		213TC	213TC	187	265	18.3		
23	4.46		213TC	213TC		213TC	213TC	179	254	17.5		
22	4.28		213TC	213TC		213TC	213TC	170	242	16.7		
21	4.09		213TC	213TC		213TC	213TC	163	231	15.9		
20	3.91		213TC	213TC		213TC	213TC	155	220	15.2		
19	3.73		213TC	213TC		213TC	213TC	148	210	14.5		
18	3.54		213TC	213TC		213TC	213TC	140	199	13.7		
17	3.36		184TC	184TC		213TC	213TC	133	189	13.0		
16	3.17	184TC	184TC	213TC	213TC	125	178	12.2				
15	2.99	184TC	184TC	3.00	184TC	184TC	118	167	11.5			
14	2.81	184TC	184TC		184TC	184TC	110	157	10.8			
13	2.63	184TC	184TC		184TC	184TC	103	146	10.1			
12	2.44	184TC	184TC		184TC	184TC	95	135	9.3			
11	2.27	56C	56C		184TC	184TC	87	124	8.6			
10	2.08	2.00	56C	56C	184TC	184TC	80	114	7.8			
9	1.90		56C	56C	56C	56C	72	102	7.1			
8	1.71		56C	56C	56C	56C	65	92	6.3			
7	1.53	1.50	56C	56C	1.50	56C	56C	57	81	5.6		
6	1.35		56C	56C		56C	56C	50	71	4.9		
5	1.19		56C	56C		56C	56C	42	60	4.1		
4	1.00	1.00	56C	56C	1.00	56C	56C	34	48	3.3		
3	0.80	0.75	56C	56C		56C	56C	27	38	2.6		

10SV 2900 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Meters)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame						
			ODP	TEFC		ODP	TEFC					
20	9.78	10.00	215TC	254TC	10.00	215TC	254TC	243	345	23.8	25 Bar (362 psi)	Class 250 / 300
19	9.30		215TC	254TC		215TC	254TC	231	328	22.6		
18	8.83		215TC	254TC		215TC	254TC	220	312	21.5		
17	8.35	7.50	215TC	215TC	7.50	215TC	254TC	208	295	20.3		
16	7.87		215TC	215TC		215TC	254TC	195	277	19.1		
15	7.41		215TC	215TC		215TC	215TC	182	259	17.9		
14	6.93		215TC	215TC		215TC	215TC	170	242	16.7		
13	6.45		215TC	215TC		215TC	215TC	159	225	15.5		
12	5.98	5.00	215TC	215TC	5.00	215TC	215TC	147	208	14.4		
11	5.40		213TC	213TC		215TC	215TC	133	188	13.0		
10	4.94		213TC	213TC		213TC	213TC	121	172	11.8		
9	4.47		213TC	213TC		213TC	213TC	110	156	10.8		
8	3.97		213TC	213TC		213TC	213TC	98	139	9.6		
7	3.50	3.00	184TC	184TC	3.00	213TC	213TC	86	123	8.5		
6	3.10		184TC	184TC		213TC	213TC	75	106	7.3		
5	2.62		184TC	184TC		184TC	184TC	62	88	6.1		
4	2.12	2.00	56C	56C	2.00	184TC	184TC	50	71	4.9		
3	1.68	1.50	56C	56C	2.00	56C	56C	38	54	3.7		
2	1.20		56C	56C	1.50	56C	56C	26	37	2.5		

Commercial Water

Technical Data - Pump Hydraulics / Motor Sizing

15SV 2900 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Meters)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame						
			ODP	TEFC		ODP	TEFC					
2	2.5	3	182TC	184TC	3	182TC	184TC	30	43	2.9	25 Bar (362 psi)	Class 250 / 300
3	3.4	3	182TC	184TC	5	184TC	184TC	44	62	4.3		
4	4.3	5	184TC	184TC	5	184TC	184TC	57	81	5.6		
5	5.2	5	184TC	184TC	7.5	213TC	215TC	71	101	6.9		
6	6.2	7.5	213TC	215TC	7.5	213TC	215TC	84	120	8.3		
7	7.2	7.5	213TC	215TC	7.5	213TC	215TC	98	139	9.6		
8	8.1	7.5	213TC	215TC	10	215TC	254TC	112	159	11		
9	9.1	10	215TC	254TC	10	215TC	254TC	126	178	12.3		
10	10	10	215TC	254TC	10	215TC	254TC	139	198	13.6		
11	11	10	215TC	254TC	15	254TC	256TC	153	218	15		
12	11.9	15	254TC	256TC	15	254TC	256TC	167	237	16.3		
13	12.9	15	254TC	256TC	15	254TC	256TC	181	257	17.7		
14	13.9	15	254TC	256TC	15	254TC	256TC	195	276	19.1		
15	14.8	15	254TC	256TC	15	254TC	256TC	208	296	20.4		

22SV 2900 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Meters)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame						
			ODP	TEFC		ODP	TEFC					
2	2.8	3	182TC	184TC	3	182TC	184TC	31	44	3.0	25 Bar (362 psi)	Class 250 / 300
3	4.1	5	184TC	184TC	5	184TC	184TC	45	64	4.4		
4	5.4	5	184TC	184TC	7.5	213TC	215TC	60	85	5.9		
5	6.6	7.5	213TC	215TC	7.5	213TC	215TC	75	106	7.3		
6	7.9	7.5	213TC	215TC	10	215TC	254TC	89	127	8.7		
7	9.2	10	215TC	254TC	10	215TC	254TC	104	148	10.2		
8	10.5	10	215TC	254TC	15	254TC	256TC	119	169	11.6		
9	11.8	15	254TC	256TC	15	254TC	256TC	133	189	13.1		
10	13.1	15	254TC	256TC	15	254TC	256TC	148	210	14.5		
11	14.4	15	254TC	256TC	15	254TC	256TC	163	231	15.9		
12	15.6	15	254TC	256TC	20	254TC	284TC	177	252	17.4		

Technical Data - Pump Hydraulics / Motor Sizing

33SV 2900 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Meters)	Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating	Stages Requiring Thrust Balancing Piston		
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame										
			ODP	TEFC		ODP	TEFC									
10	32.6	30	286TC	286TC	40	324TSC	326TSC	237	778	337	23.2	25 Bar (362 psi)	Class 250 / 300	Thrust Piston Required		
10/1	31.9							230	756	327	22.6					
10/2	31.1							222	729	316	21.8					
9	29.4							25	284TC	286TC	30				286TC	214
9/1	28.7	208	681	295	20.3											
9/2	27.9	201	659	285	19.7											
8	26.2	190	625	270	18.6											
8/1	25.5	183	602	261	18.0											
8/2	24.7	176	578	250	17.3											
7	23.0	166	544	235	16.2											
7/1	22.3	159	522	226	15.6											
7/2	21.6	20	254TC	284TC	25	284TC	286TC	151	497	215	14.8				Class 125 / 150	
6	19.9							141	461	200	13.8					
6/1	19.1							133	436	189	13.0					
6/2	18.4							126	414	179	12.3					
5	16.7	15	254TC	256TC	15	254TC	256TC	116	381	165	11.4					
5/1	15.9							109	358	155	10.7					
5/2	15.2							102	335	145	10.0					
4	13.5							92	301	130	9.0					
4/1	12.7							85	278	120	8.3					
4/2	12.0							78	255	111	7.6					
3	10.3							68	223	97	6.7					
3/1	9.6							10	215TC	254TC	10		215TC	254TC		
3/2	8.8	55	181	78	5.4											
2	7.1	44	145	63	4.3											
2/1	6.4	7.5	213TC	215TC	38	123	53								3.7	

Commercial Water

Technical Data - Pump Hydraulics / Motor Sizing

46SV 2900 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Meters)	Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
10/2	45.3	40.00	324TSC	326TSC	50	365TSC	365TSC	238	782	339	23.4	25 Bar (362 psi)	Class 250 / 300	Thrust Piston Required
9	42.8							227	744	322	22.2			
9/1	41.8							219	719	311	21.5			
9/2	40.7							212	695	301	20.7			
8	38.2				40	324TSC	326TSC	202	664	287	19.8			
8/1	37.1							194	635	275	19.0			
8/2	36.1							185	607	263	18.1			
7	33.6	30	286TC	286TC				175	573	248	17.1			
7/1	32.5							166	544	236	16.3			
7/2	31.5							157	516	223	15.4			
6	29.0							30	286TC	286TC	148			
6/1	27.9				139	458	198				13.7			
6/2	26.9	131	429	186	12.8									
5	24.3	25	284TC	286TC	25	284TC	286TC	121	397	172	11.8		Class 125 / 150	
5/1	23.3							113	372	161	11.1			
5/2	22.3							106	348	151	10.4			
4	19.7	20	254TC	284TC	20	254TC	284TC	94	310	134	9.2			
4/1	18.7							86	283	123	8.5			
4/2	17.7							78	257	111	7.7			
3	15.1							66	217	94	6.5			
3/1	14.1							15	254TC	256TC	59			
3/2	13.1	52	172	74	5.1									
2	10.5	41	134	58	4.0									
2/1	9.5	10	215TC	254TC	10	215TC	254TC	33	109	47	3.2			

66SV 2900 RPM

No. of Impellers	Maximum HP draw	Motor Selection using SF			Motor Selection 1.0 SF			Shutoff TDH (Meters)	Shutoff TDH (Feet)	Shutoff TDH (psi)	Shutoff TDH (Bar)	Casing/Sleeve Pressure Rating (standard assy.)	Pump Flange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
6	42.3	40	324TSC	326TSC	50	365TSC	365TSC	172	564	244	16.8	25 Bar (362 psi)	Class 250 / 300	Thrust Piston Required
6/1	40.2							165	543	235	16.2			
6/2	38.2							159	521	226	15.6			
5	35.1				40	324TSC	326TSC	141	464	201	13.8			
5/1	33.1	30	286TC	286TC				135	443	192	13.2			
5/2	31.0							129	422	183	12.6			
4	27.9				30	286TC	286TC	110	360	156	10.7			
4/1	25.9	25	284TC	286TC				104	343	148	10.2			
4/2	23.8							98	322	140	9.6			
3	20.8				20	254TC	284TC	80	263	114	7.9			
3/1	18.7	20	254TC	284TC				74	243	105	7.2			
3/2	16.7							67	221	96	6.6			
2	13.6				15	254TC	256TC	49	161	70	4.8			
2/1	11.5	15	254TC	256TC				44	143	62	4.3			

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- 2) a leading global water technology company.

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