FILIPUSI

FLPS™ 50 Hz

FLPS SERIES
VERTICAL MULTI
STAGE PUMPS

TECHNICAL BROCHURE









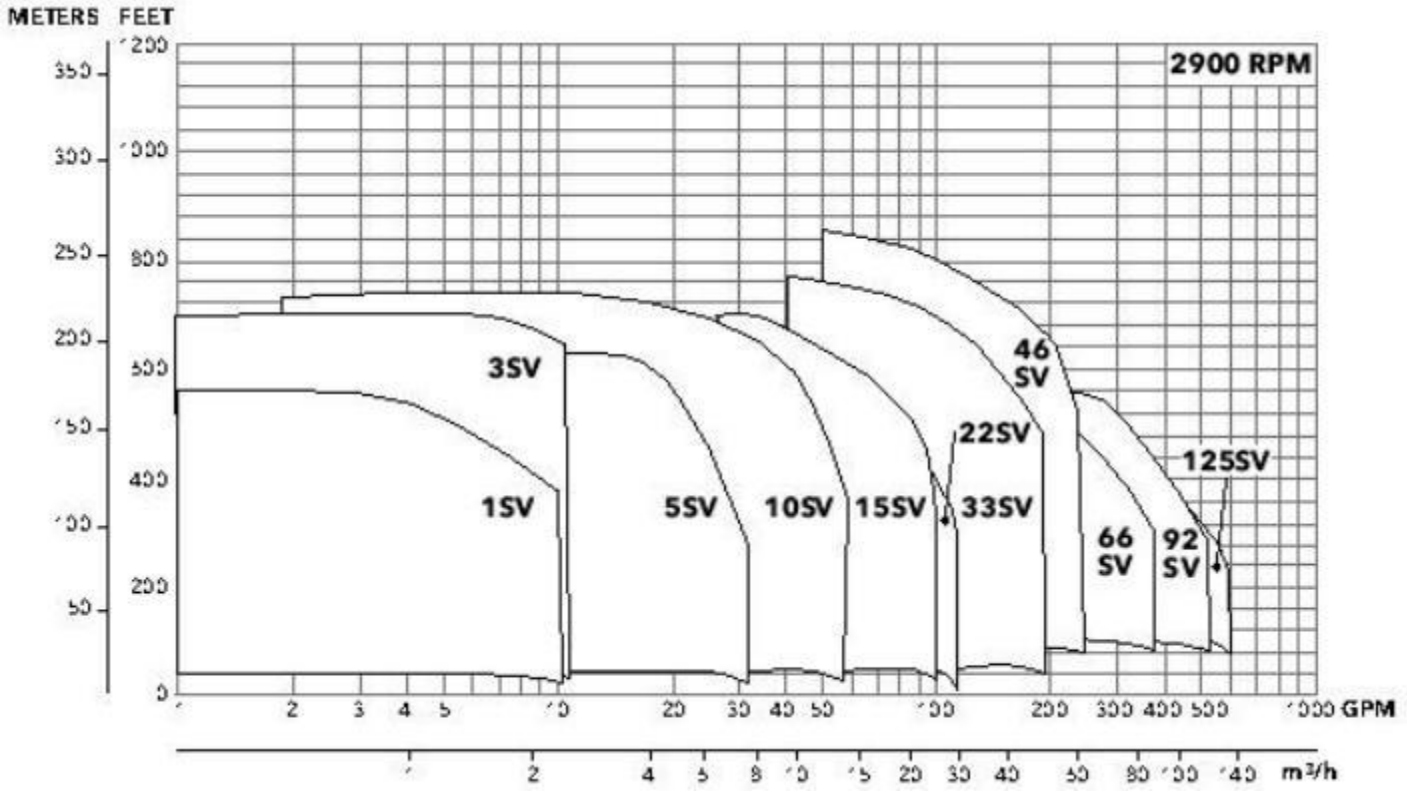


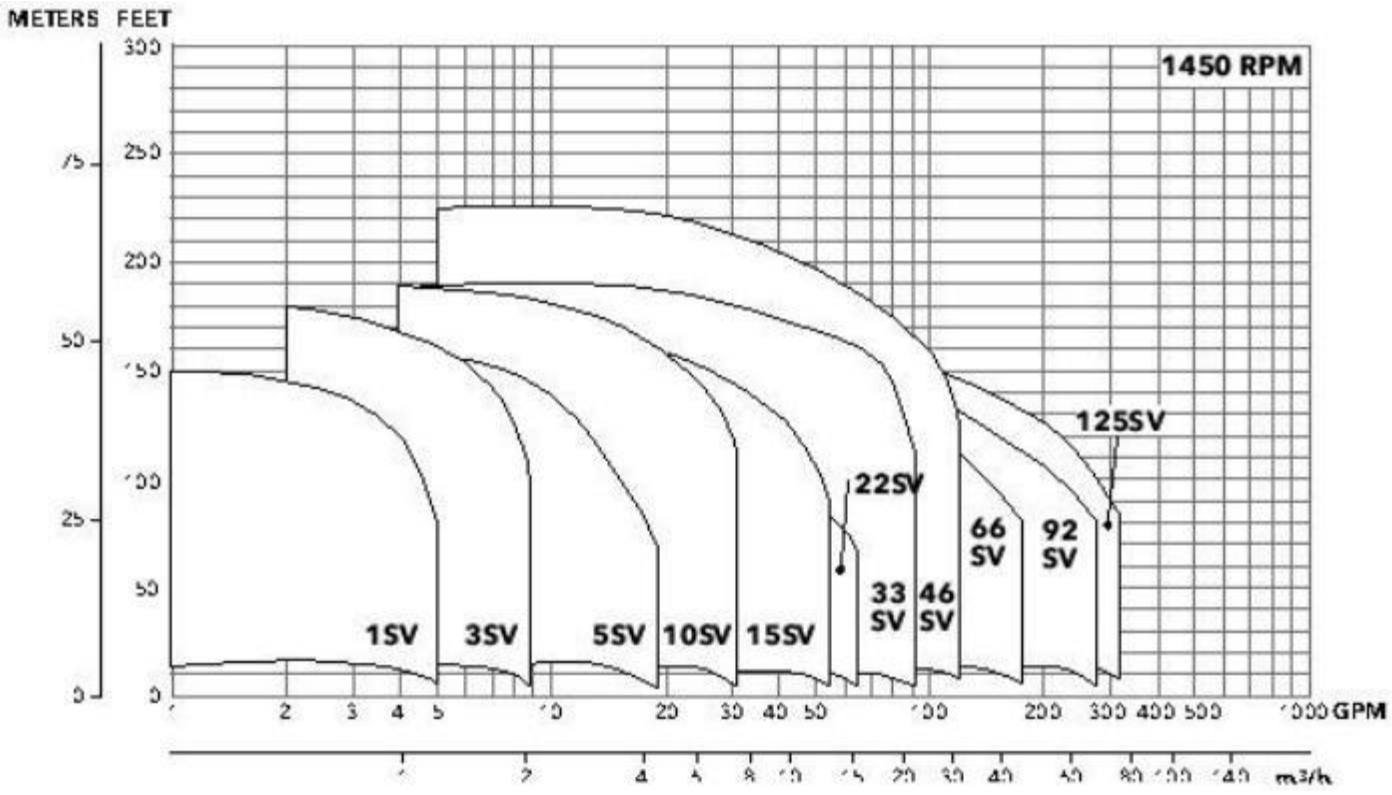
Contents

FLPS Rating Plate

1	FILIPUSI Catalog Number
2	Capacity Range
3	TDH Range
4	Rated Speed
5	Rated Horsepower
6	Maximum Operating Pressure
7	Maximum Operating Temperature
8	Pump Serial Number

FLPS Coverage Curve





FLPS General Market Specifications

MUNICIPAL, AGRICULTURAL, LIGHT INDUSTRY,
WATER TREATMENT, HEATING AND AIR CONDITIONING

Applications

- Handling of water, free of suspended solids, in the municipal, industrial and agricultural markets
- Pressure boosting and water supply systems
- Fire fighting jockey pumps
- Irrigation systems
- Wash systems
- Water treatment plants: reverse osmosis
- Handling of moderately aggressive liquids, demineralized water, water and glycol, etc.
- Circulation of hot and cold water for heating, cooling and conditioning systems
- Boiler feed

Specifications

PUMP

The FLPS pump is a non-self priming vertical multistage pump coupled to a standard motor.
The liquid end, located between the upper cover and the pump casing, is held in place by tie rods. The pump casing is available with different configurations and connection types.

- Delivery: up to 160 m^3/hr (700 GPM)
- Head: up to 250 m (850 feet)
- Temperature of pumped liquid:
  -20°F to 250°F (-30°C to 120°C) standard version
- Optional temperature range up to 300°F (149°C) high temperature version
- Maximum operating pressure
  - FLPS1-22 with oval FLPSanges: 230 PSI (16 bar)
  - FLPS1-22 with round FLPSanges or Victaulic: 360 or 575 PSI (25 or 40 bar)
  - FLPS33, 46: 360 or 580 PSI (25 or 40 bar)*
  - FLPS 66, 92: 360 or 580 PSI (25 or 40 bar)*
  - FLPS 125: 360 or 580 PSI (25 or 40 bar)
- Direction of rotation: clockwise looking at the pump from the top down (marked with an arrow on the adapter and on the coupling).

MOTOR

- Standard NEMA TC Frame motors in open drip proof or totally enclosed fan cooled.
- 2900 RPM nominal
- Standard voltage:
  - Single phase version: 115-208/230 V, 50 Hz up to 2 HP or 208-230 V for 3 HP
  - Three phase version, 2 pole: 208-230/460 V, 50 Hz up 60 HP

* Based on pump staging

FLPS Characteristics

1FLPS, 3FLPS, 5FLPS, 10FLPS, 15FLPS, 22FLPS Series

- Vertical multistage centrifugal pump. All metal parts in contact with the pumped liquid are made of stainless steel.
- The following versions are available:

  F – ANSI FLPSanges, in-line delivery and suction ports, AISI 304

  T – Oval FLPSanges (NPT), in-line delivery and suction ports, AISI 304

  R – ANSI FLPSanges, delivery port above the suction port, with four adjustable positions, AISI 304

  N – ANSI FLPSanges, in-line delivery and suction ports, AISI 316

  P – Victaulic couplings, in-line delivery and suction ports, AISI 316

  G – ANSI FLPSange, in-line delivery and suction ports, Class 35/40B cast iron.

  C – ISO clamp, AISI 316

- Innovative axial load compensation system on pumps with higher head. This ensures reduced axial thrusts and enables the use of standard NEMA TC motors that are easily found in the market.
- Seal housing chamber designed to prevent the accumulation of air in the critical area next to the mechanical seal
- Mechanical seal according to EN 12756 (ex DIN 24960) and ISO 3069
- Versions with ANSI FLPSanges that can be coupled to ANSI raised face counter-FLPSanges
- Threaded oval counter-FLPSanges made of stainless steel are standard supply for the T versions
- Easy maintenance. No special tools required for assembly or disassembly
- Standard version for temperatures ranging from: -20ºF to 250ºF (30ºC to 120ºC)

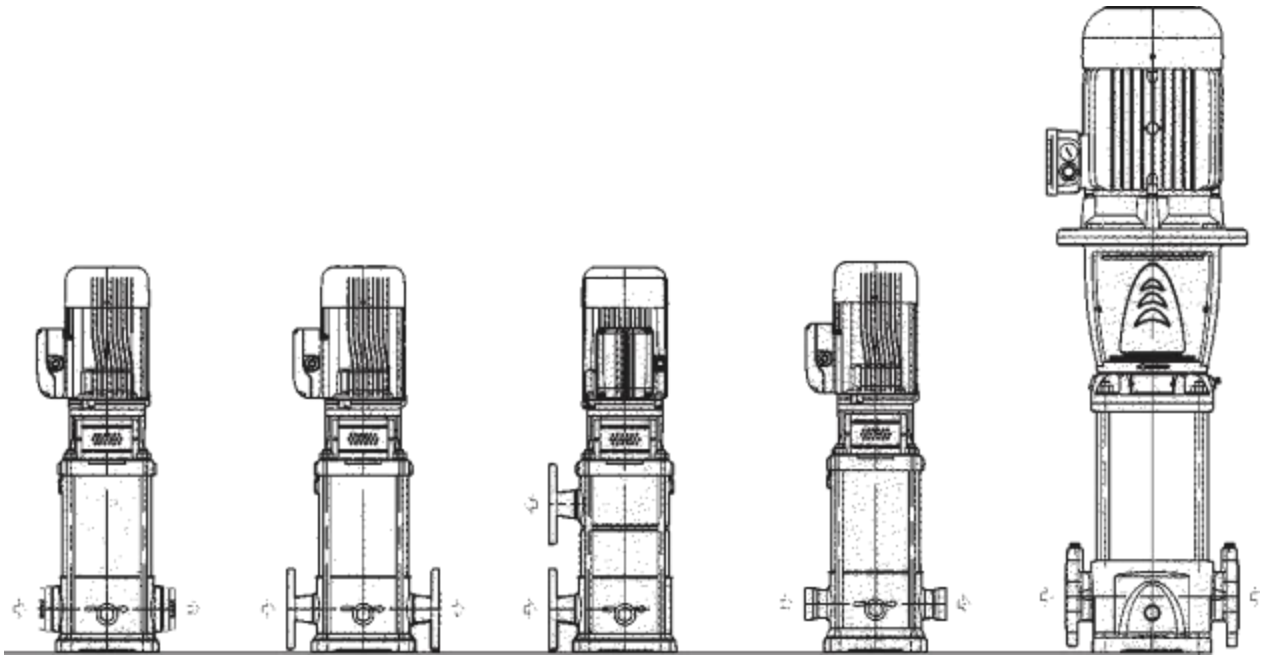
33FLPS, 46FLPS, 66FLPS, 92FLPS, 125FLPS Series

- Vertical multistage centrifugal pump with impellers, diffusers and outer sleeve made entirely of stainless steel, and with pump casing and motor adapter made of cast iron in the standard version
- Rotating components made entirely of AISI 316 stainless steel
- High heads and capacities five sizes: 33FLPS, 46FLPS, 66FLPS, 92FLPS, 125FLPS
- R designed liquid end provides improved efficiency and energy savings
- Innovative axial load compensation system on pumps with higher head. This ensures reduced axial thrusts and enables the use of standard NEMA TC motors that are easily found in the market.
- Balanced mechanical seal according to EN 12756 (ex DIN 24960) and ISO 3069, which can be replaced without removing the motor from the pump
- Seal housing chamber designed to prevent the accumulation of air in the critical area next to the mechanical seal
- Standard version for temperature ranging from: -20ºF to 250ºF (-30ºC to 120ºC)
- Pump body fitted with taps for installing pressure gauges on both suction and delivery FLPSanges
- In-line ports with ANSI FLPSanges that can be coupled to counter-FLPSanges, in compliance with ANSI raised face.
- Mechanical sturdiness and easy maintenance. No special tools required for assembly or disassembly.

Optional Features

- Horizontal version
- Special voltages, 50 Hz frequency
- Special materials for the mechanical seal, gaskets and elastomers
- Tropicalized motors
- Premium E and explosion proof motors
- 1450 RPM, 4 pole motors
- Passivation

General Characteristics - 2-pole



SERIES FLPST
1FLPS,
3FLPS, 5FLPS,
10FLPS,
15FLPS,
22FLPS

SERIES FLPSF,
FLPSN 1FLPS,
3FLPS, 5FLPS,
10FLPS, 15FLPS,
22FLPS

SERIES FLPSR
1FLPS,
3FLPS, 5FLPS,
10FLPS,
15FLPS,
22FLPS

SERIES FLPSP
VICTAULIC
1FLPS,
3FLPS, 5FLPS,
10FLPS,
15FLPS,
22FLPS

SERIES FLPSG,
FLPSN
33FLPS, 46FLPS,
66FLPS,
92FLPS,
125FLPS

FLPS Product Range	1FLPS	3FLPS	5FLPS	10FLPS	15FLPS	22FLPS	33FLPS	46FLPS	66FLPS	92FLPS	125FLPS
Nominal FLPSow (GPM)	9	15	30	50	80	110	150	220	350	450	600
FLPSow Range(GPM)	2-12	3-22	7-45	9-75	18-125	21-150	30-195	45-285	70-420	90-580	120-700
Max. Head (Ft)	860	1085	975	1150	1060	880	1125	1210	850	715	570
Max. Working Pressure (PSIG)	580					360/580					
Temperature Range (°F)	Standard -20°F - 250°F (-30°C - 121°C)										
HighTemp Option	up to 300°F (150°C)						-				
Motor Power [HP]	½ - 5HP	½ - 7½	¾ - 10	¾ - 20	2 - 25	3 - 30	3 - 60	7½ - 75	10 - 75	15 - 75	20 - 75
Max Pump Efficiency	51%	60%	70%	70%	70%	71%	76%	78%	78%	80%	79%
Materials of Construction											
FLPST	304SS						-				
FLPSF	304SS						-				
FLPSN	316LSS						Cast Stainless Steel / 316LSS				
FLPSR	304SS						-				
FLPSP	316LSS						-				
FLPSC	316LSS						-				
FLPSG	ASTM Class 35/40B Cast Iron / 304 SS										
Connection Sizes											
FLPST - Oval NPT	1¼"	1¼"	1¼"	2"	2"	2"					
FLPSF - RoundANSI Size/Class	1¼" 300#	1¼" 300#	1¼" 300#	2" 300#	2" 300#	2" 300#	-				
FLPSN - Round ANSI Size/Class	1¼" 300#	1¼" 300#	1¼" 300#	2" 300#	2" 300#	2" 300#	2½" 150/300#	3" 150/300#	4" 150/300#	4" 150/300#	5" 150/300#
FLPSR -Top/Bottom Round ANSI Size/Class	1¼" 300#	1¼" 300#	1¼" 300#	2" 300#	2" 300#	2" 300#	-				
FLPSP - Victaulic	1¼"	1¼"	1¼"	2"	2"	2"	-				

FLPSC - Clamp	1½"	1½"	1½"	2"	2"	2"	-				
FLPSG-Cast Iron Size/Class	1¼" 250#	1¼" 250#	1¼" 250#	2" 250#	2" 250#	2" 250#	2½" 125/250#	3" 125/250#	4" 125/ 250#	4" 125/ 250#	5" 125/250#

Typical Applications of FLPS Series Multi-Stage Pumps

Water Supply and Pressure Boosting

- Pressure boosting in buildings, hotels, residential complexes
- Pressure booster stations, supply of water networks
- Booster packages

Water Treatment

- Ultra filtration systems
- Reverse osmosis systems
- Water softeners and d mineralization
- Distillation systems
- Filtration

Light Industry

- Washing and cleaning plants (washing and degreasing of mechanical parts, car and truck wash tunnels, washing of electronic industry circuits)
- Commercial washers
- Fire fighting system pumps

Irrigation and Agriculture

- Greenhouses
- Humidifiers
- Sprinkler irrigation

Heating, Ventilation and Air Conditioning (HVAC)

- Cooling towers and systems
- Temperature control systems
- Refrigerators
- Induction heating
- Heat exchangers
- Boilers
- Water recirculation and heating

FLPS Product Line
Numbering System for 1 – 22FLPS Liquid End Only

The various versions of the FLPS line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below.
Note: Not all combinations are possible.

Example Product Code

22 FLPS 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
N = Low NPSH only
P = Passivation only
S = Customized Configuration
Z = High pressure only

Seal Material

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

Pol 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 R = (FLPSC) 12Suct-12Disch
F = Round-304 (FLPSB) T = Oval-304 (FLPSA) W = (FLPSC) 12Suct-03Disch
G = CI-304 X = (FLPSC) 12Suct-06Disch
N = Round-316 (FLPSD) Y = (FLPSC) 12Suct-09Disch

Top / Bottom Suction discharge location

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

Product Line:

FLPS – Stainless Vertical

Nominal FLPSow:

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

FLPS Product Line
Numbering System for 33 – 125FLPS Liquid End Only

The various versions of the FLPS line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below.
Note: Not all combinations are possible.

Example Product Code

125 FLPS 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
- N = Low NPSH only (33, 46 and 66 only)
- S = Customized Configuration
- 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)

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

Motor Frame (NEMA)
- B = 180TC
- C = 210TC
- D = 250TC
- E = 280TC
- F = 320TSC
- G = 360TSC

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

125FLPS ONLY
Reduced Trim Diameter A = 141 mm B = 136 mm C = 145 mm (full dia.)
Blank if 33-92FLPS

Number of Reduced Trim Impellers

Total Number of Impellers/Stages

Product Line: FLPS - Stainless Vertical

Nominal FLPSow:
- 33 = 175 GPM
- 46 = 240 GPM
- 66 = 350 GPM
- 92 = 485 GPM

FLPS Product Line
Numbering System for 1 – 22FLPS Pump & Motor Combination

The various versions of the FLPS line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below.
Note: Not all combinations are possible.

Example Product Code

2 FLPS 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
F = Destaged - 1 stage	N = Low NPSH only
G = Destaged - 2 stage	P = Passivation only
H = Horizontal mount only	S = Customized Configuration
J = Horizontal mount + Passivation	Z = High Press (250/300# pump body)

Seal Material

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

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	C = Class 1 Div 2

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	

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

Configuration OPTION

C = Clamp-316
F = Round-304 (FLPSB)
G = CI-304
N = Round-316 (FLPSD)
P = Victaulic-316
T = Oval-304 (FLPSA)

R = Top / Bottom (FLPSC) 12Suct-12Disch
W = (FLPSC) 12Suct-
X = 03Disch
Y = (FLPSC) 12Suct-

Suction discharge location

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

Product Line:

FLPS – Stainless Vertical

Nominal FLPSow:

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

FLPS Product Line
Numbering System for 33 – 125FLPS Pump & Motor Combination

The various versions of the FLPS line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below.
Note: Not all combinations are possible.

Example Product Code

125 FLPS 8 2 A G K 3 F 2 0

Special Configurations (1 or 2 Characters)

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

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	C = Class 1 Div 2

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	

Pol Hz-Phase

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

HP Rating

F = 3	L = 20	R = 50
G = 5	M = 25	S = 60
H = 7.5	N = 30	T = 75
J = 10	P = 40	U = 100
K = 15		

Configuration

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

125FLPS ONLY

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

Blank if 33-92FLPS

Number of Reduced Trin Impeller

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

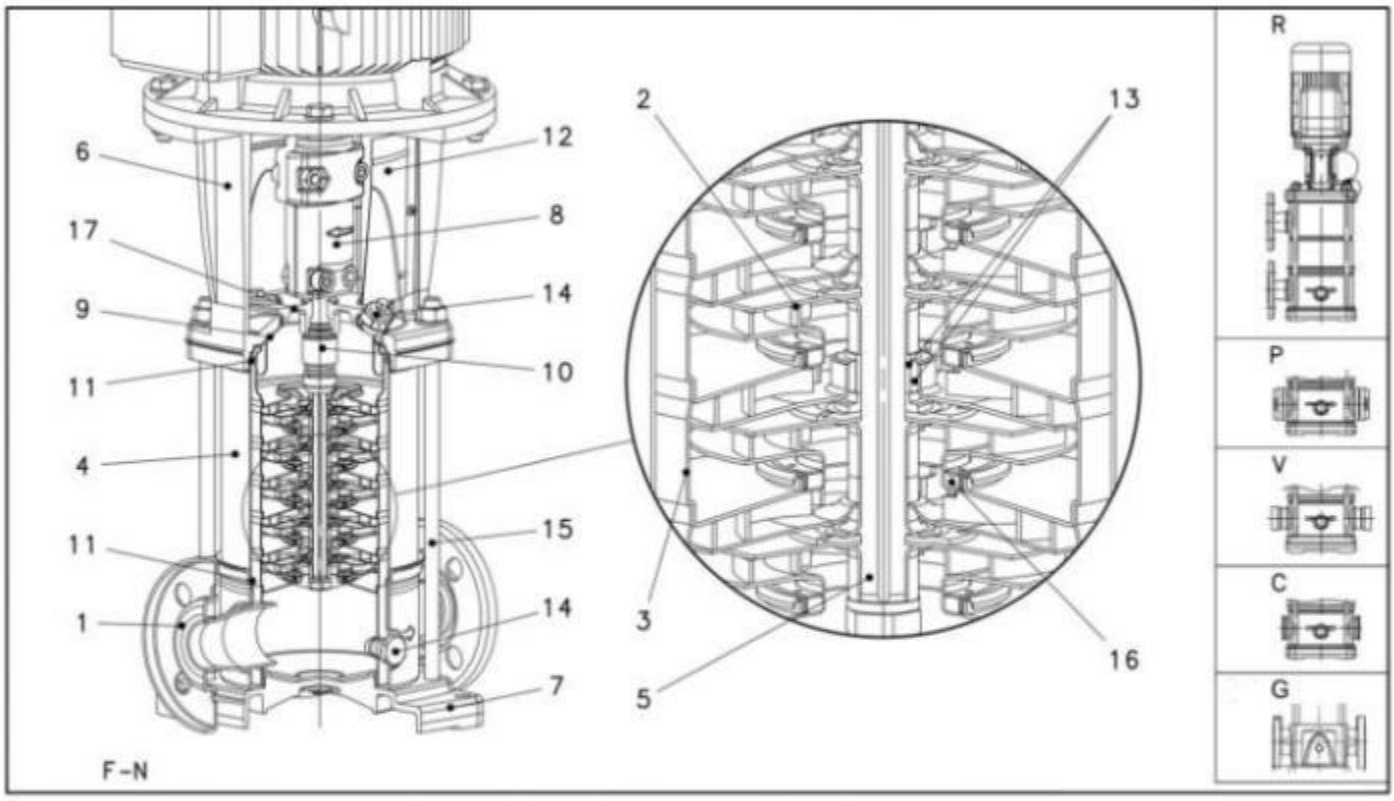
Product Line:

FLPS – Stainless Vertical

Nominal FLPSow:

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

Base Models: 1-22FLPS — Major Components



Base Models: 1-22FLPS — Major Components

F, G, P, R VERSIONS

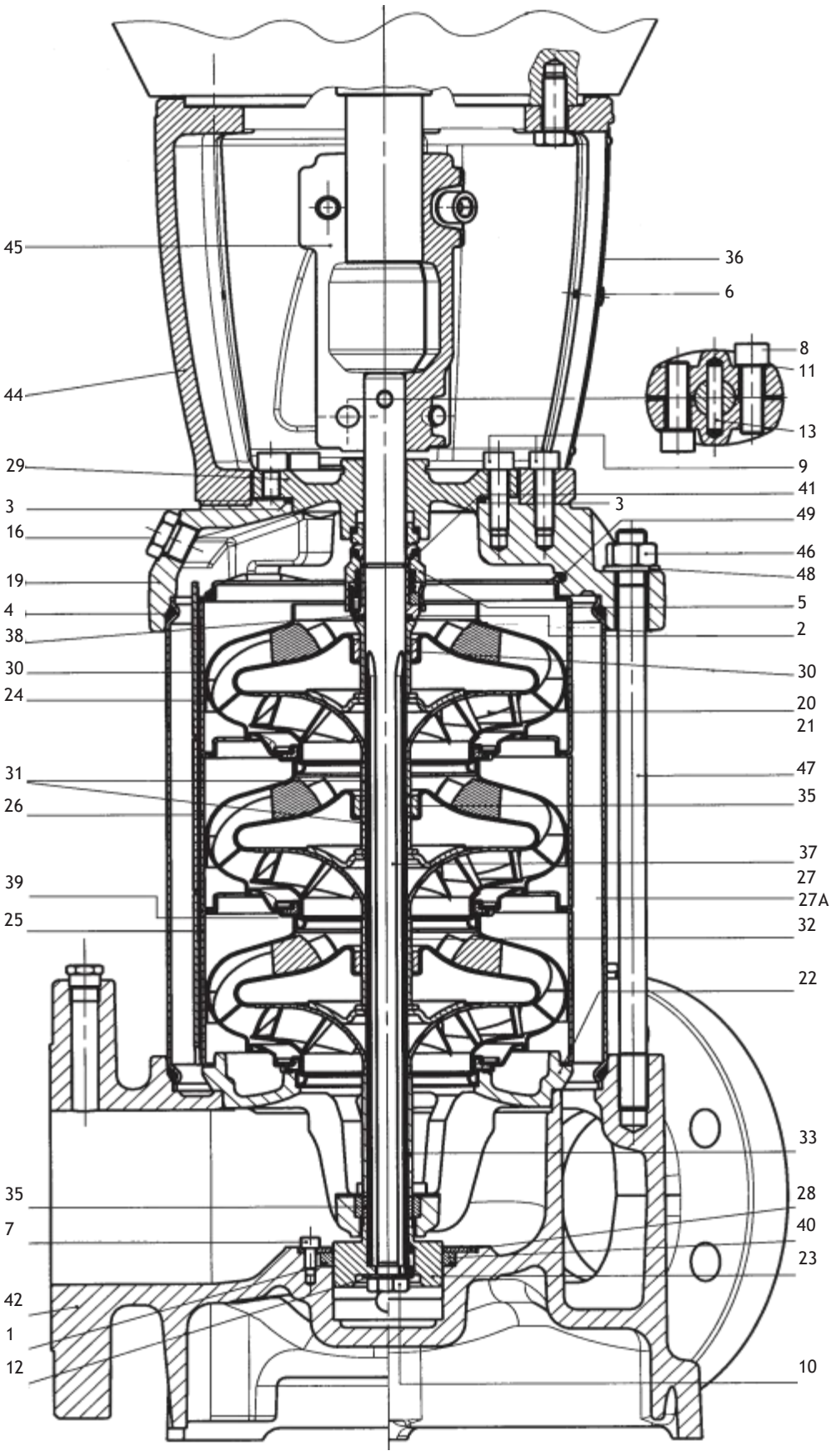
Ref. No.	Name	Material	Reference Standards	
			USA	Europe
1	Pump Body	Stainless Steel (F, P, R)	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)
		Cast Iron (G)	ASTM Class 35/40B	EN 1561 GJL 250 (JL1040)
2	Impeller	Stainless Steel	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)
3	Diffuser	Stainless Steel	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)
4	Casing	Stainless Steel	AISI 316L	EN 10088-1-X2-CrNiMo17-12-2 (1.4404)
5	Shaft	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)
6	Adapter	Cast Iron	ASTM Class 35/40B	EN 1561-GJL-250 (JL1040)
7	Base	Aluminum (F, P, R)	A384.0-F	EN 1706-AC-AlSi11Cu2(Fe) (AC46100)
		N/A (G)	N/A	N/A
8	Coupling	Aluminum	A384.0-F	EN 1706-AC-AlSi11Cu2(Fe) (AC46100)
9	Seal Plate	Stainless Steel	AISI 316L	EN 10088-1-X2-CrNi17-12-2 (1.4404)
10	Mechanical Seal	Silicon Carbide / Carbon / Viton (opt. EPDM)		
11	Elastomers	Viton (opt. EPDM)		
12	Coupling Guard	Stainless Steel	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)
13	Shaft Sleeve and Bushing	Tungsten Carbide		
14	Fill/Drain Plugs	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)
15	Tie Rods	Carbon Steel / Zinc Plated	A29 Gr. 1045	EN 10277
16	Wear Ring	PPS		
17	Seal Gland	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)

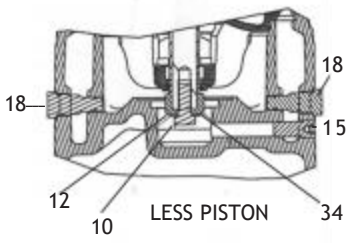
N, P, C VERSIONS

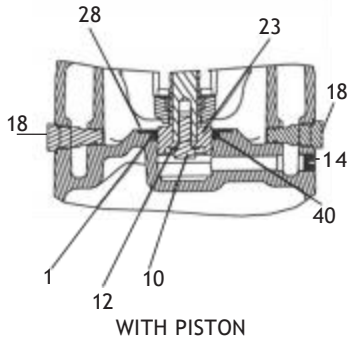
Ref. No.	Name	Material	Reference Standards	
			USA	Europe
1	Pump Body	Stainless Steel	AISI 316L	EN 10088-1-X2-CrNiMo17-12-2 (1.4404)
2	Impeller	Stainless Steel	AISI 316L	EN 10088-1-X2-CrNiMo17-12-2 (1.4404)
3	Diffuser	Stainless Steel	AISI 316L	EN 10088-1-X2-CrNiMo17-12-2 (1.4404)
4	Casing	Stainless Steel	AISI 316L	EN 10088-1-X2-CrNiMo17-12-2 (1.4404)
5	Shaft	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)
6	Adapter	Cast Iron	ASTM Class 35/40B	EN 1561-GJL-250 (JL1040)
7	Base	Aluminum	A384.0-F	EN 1706-AC-AlSi11Cu2(Fe) (AC46100)
8	Coupling	Aluminum	A384.0-F	EN 1706-AC-AlSi11Cu2(Fe) (AC46100)
9	Seal Plate	Stainless Steel	AISI 316L	EN 10088-1-X2-CrNi17-12-2 (1.4404)
10	Mechanical Seal	Silicon Carbide / Carbon / Viton (opt. EPDM)		
11	Elastomers	Viton (opt. EPDM)		
12	Coupling Guard	Stainless Steel	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)
13	Shaft Sleeve and Bushing	Tungsten Carbide		
14	Fill/Drain Plugs	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)
15	Tie Rods	Carbon Steel / Zinc Plated	A29 Gr. 1045	EN 10277
16	Wear Ring	PPS		
17	Seal Gland	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)

Base Model: 33FLPS, 46FLPS, 66FLPS and 92FLPS — Major Components

FLPS G-N



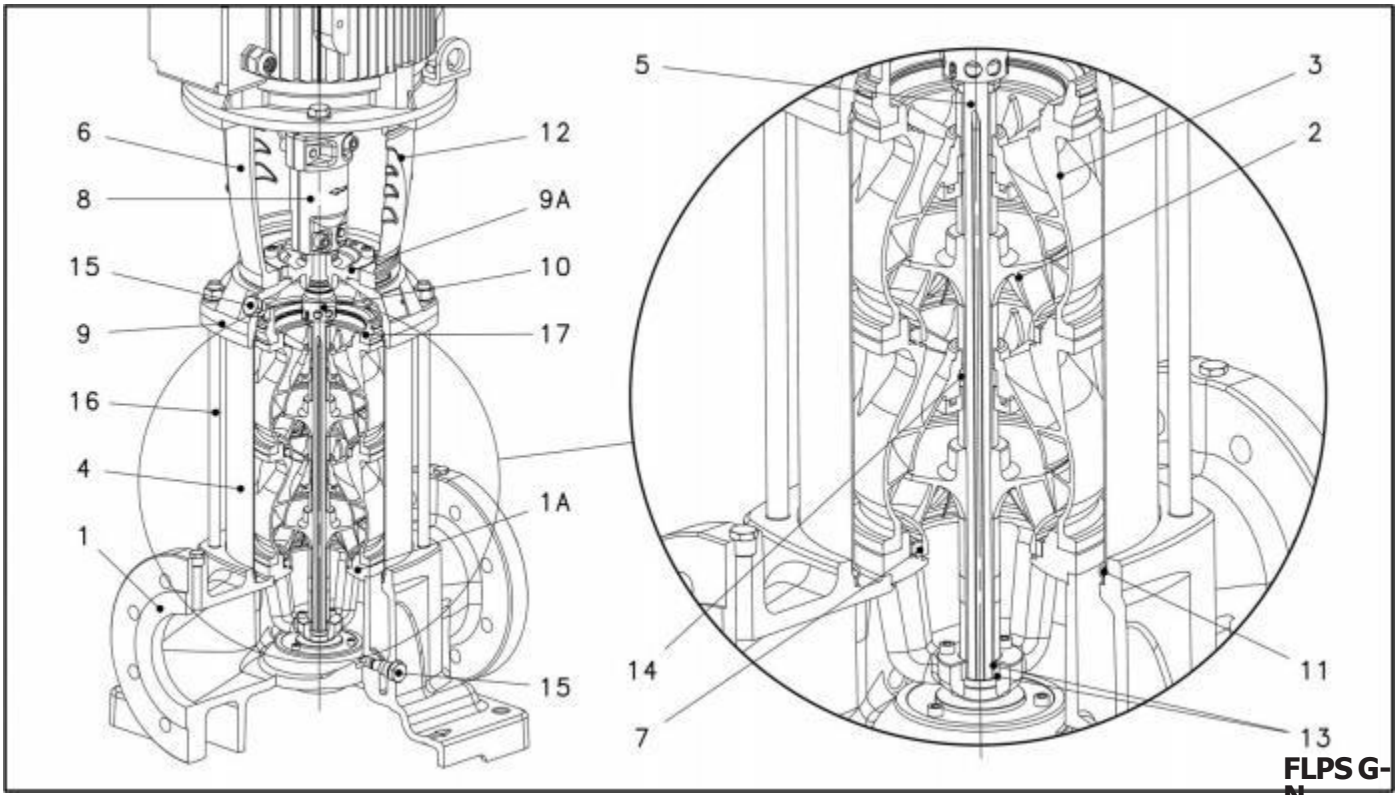




Base Model: 33FLPS, 46FLPS, 66FLPS and 92FLPS — Major Components

No.	Description	FLPSG (33 – 92FLPS)			FLPSN (33 – 92FLPS)		
		Material	ASTM	DIN	Material	ASTM	DIN
1	O-Ring, Piston Seal	Viton (std) EPDM (opt)			Viton (std) EPDM (opt)		
2	O-Ring, Mechanical Seal Sleeve	Viton (std) EPDM (opt)			Viton (std) EPDM (opt)		
3	O-Ring, Seal housing	Viton (std) EPDM (opt)			Viton (std) EPDM (opt)		
4	O-Ring, Sleeve	Viton (std) EPDM (opt)			Viton (std) EPDM (opt)		
5	Mechanical Seal	See Seal Materials Chart for Complete Detail			See Seal Materials Chart for Complete Details		
5A	Cartridge Seal (not shown)						
6	Screw, Guard	Stainless Steel	A193-304	1.4301	Stainless Steel	A193-304	1.4301
7	Screw, Piston Holding Disc	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
8	Screw, Coupling	Zinc Plated Steel	B363		Zinc Plated Steel	B633	
9	Screw, MA and Seal Housing	Zinc Plated Steel	B633		Zinc Plated Steel	B633	
10	Screw, Impeller	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
11	Washer, Coupling	Carbon Steel	A108		Carbon Steel	A108	
12	Washer, Impeller	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
13	Pin, Coupling	Carbon Steel	A108		Carbon Steel	A108	
14	Plug, with Piston	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
15	Plug, without Piston	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
16	Plug, Fill	Stainless Steel/O-Ring	A193-316	1.4401	Stainless Steel/O-Ring	A193-316	1.4401
17	Plug, Vent (not shown)	Stainless Steel/O-Ring	A193-316	1.4401	Stainless Steel/O-Ring	A193-316	1.4401
18	Plug, Drain	Stainless Steel/O-Ring	A193-316	1.4401	Stainless Steel/O-Ring	A193-316	1.4401
19	Pump Head	Cast Iron	A48 Class 35	JL1030	Stainless Steel	316 CF8M	1.4408
20	Impeller, Full Diameter	Stainless Steel	A193-316L	1.4404	Stainless Steel	A193-316L	1.4404
21	Impeller, Reduced Diameter	Stainless Steel	A193-316L	1.4404	Stainless Steel	A193-316L	1.4404
22	Lower Bearing Assembly	SS/Cast Iron	A193-316L/A48 Class 35	1.4404/JL1030	Stainless Steel	A193-316L/316 CF8M	1.4404/1.4408
23	Piston	Duplex SS	A182-F51	1.4462	Duplex SS	A182-F51	1.4462
24	Diffuser, Final	Stainless Steel	A193-316L	1.4404	Stainless Steel	A193-316L	1.4404
25	Diffuser with Carbon Bushing	Stainless Steel	A193-316L	1.4404	Stainless Steel	A193-316L	1.4404
26	Diffuser with Tungsten Bushing	Stainless Steel	A193-316L	1.4404	Stainless Steel	A193-316L	1.4404
27	Outer Sleeve, 25 Bar	Stainless Steel	A193-316L	1.4404	Stainless Steel	A193-316L	1.4404
27A	Outer Sleeve, 40 Bar	Stainless Steel	A193-316L	1.4404	Stainless Steel	A193-316L	1.4404
28	Holding Disc, Piston Seal	Stainless Steel	A193-316L	1.4404	Stainless Steel	A193-316L	1.4404
29	Seal Housing	Cast Iron	A48 Class 35	JL1030	Stainless Steel	316 CF8M	1.4408
30	Spacer, Impeller Final	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
31	Spacer, Shaft Bushing	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
32	Spacer, Impeller	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
33	Spacer, Impeller Lower (66-92FLPS)	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
34	Bushing, Non-Piston	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
35	Tungsten Carbide Bushing	Tungsten Carbide			Tungsten Carbide		
36	Coupling Guard	Stainless Steel	A193-304	1.4301	Stainless Steel	304	1.4301
37	Shaft	Duplex SS	A182-F51	1.4462	Duplex SS	A183-F51	1.4462
38	Mechanical Seal Shaft Sleeve	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
39	Wear Ring, Impeller	PPS Glass Filled			PPS Glass Filled		
40	Piston Seal	Impregnated Carbon			Impregnated Carbon		
41	Stop Ring, Impeller	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401
42	Pump Body	Cast Iron	A48 Class 35	JL1030	Stainless Steel	316 CF8M	1.4408
43	Motor Adapter Plate (not shown)	Cast Iron	A48 Class 25	JL1030	Cast Iron	A48 Class 25	JL1030
44	Motor Adapter	Cast Iron	A48 Class 25	JL1030	Cast Iron	A48 Class 25	JL1030
45	Coupling, Half	Cast Iron	A48 Class 25	JL1030	Cast Iron	A48 Class 25	JL1030
46	Nut, Ti Rod	Zinc Plated Steel	B633		Zinc Plated Steel	B633	
47	Ti Rod	Zinc Plated Steel	B633		Zinc Plated Steel	B633	
48	Washer, Ti Rod	Zinc Plated Steel	B633		Zinc Plated Steel	B633	
49	Spring, Final Diffuser	Stainless Steel	A193-316	1.4401	Stainless Steel	A193-316	1.4401

Base Models: 125FLPS — Major Components



FLPS G-

Base Models: 125FLPS — Major Components

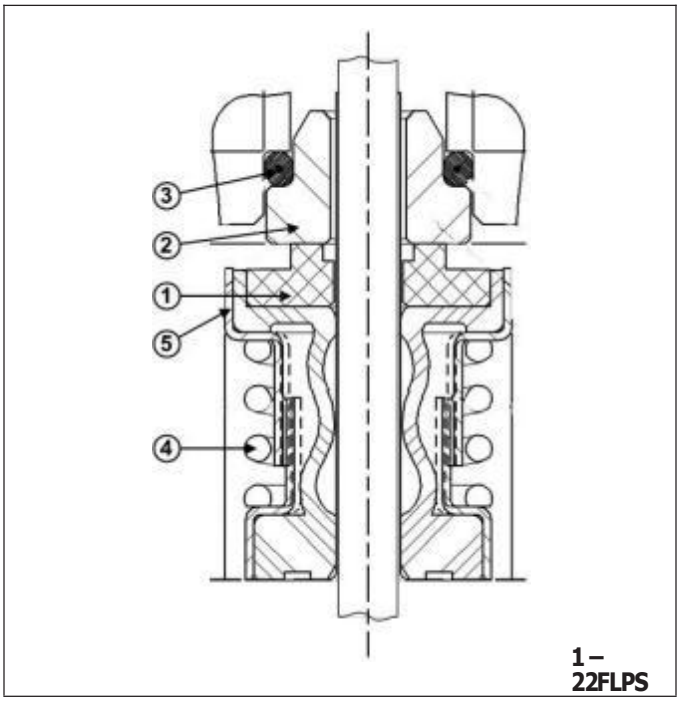
G VERSIONS

Ref. No.	Name	Material	Reference Standards	
			USA	Europe
1	Pump Body	Cast Iron	ASTM Class 35/40B	EN 1561-GJL-250 (JL1040)
2	Impeller	Stainless Steel	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)
3	Diffuser	Stainless Steel	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)
4	Casing	Stainless Steel	AISI 316L	EN 10088-1-X2-CrNiMo17-12-2 (1.4404)
5	Shaft	Duplex Stainless Steel	UNSS 31803	EN 10088-1-X17-CrNiMoN22-5-3 (1.4507)
6	Adapter (up to 40HP)	Cast Iron	ASTM Class 25	EN 1561-GJL-200 (JL1040)
	Adapter (50HP and higher)		ASTM Class A536	EN 1561-GJL-500-7 (JS1050)
7	Wear Ring	PPS		
8	Coupling (up to 40HP)	Cast Iron	A384.0-F	EN 1706-AC-AlSi11Cu2(Fe) (AC46100)
	Coupling (50HP and higher)			
9-9A	Upper Head / Seal Housing	Cast Iron	ASTM Class 35/40B	EN 1561-GJL-250 (JL1040)
10	Mechanical Seal	Silicon Carbide / Carbon / Viton (opt. EPDM)		
11	Elastomers	Viton (opt. EPDM)		
12	Coupling Guard	Stainless Steel	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)
13	Shaft Sleeve and Bushing	Tungsten Carbide		
14	Bushing for Diffuser	Carbon		
15	Fill/Drain Plugs	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)
16	Tie Rods	Carbon Steel / Zinc Plated	A29 Gr. 1045	EN 10277
17	Adapter Ring	Stainless Steel	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)

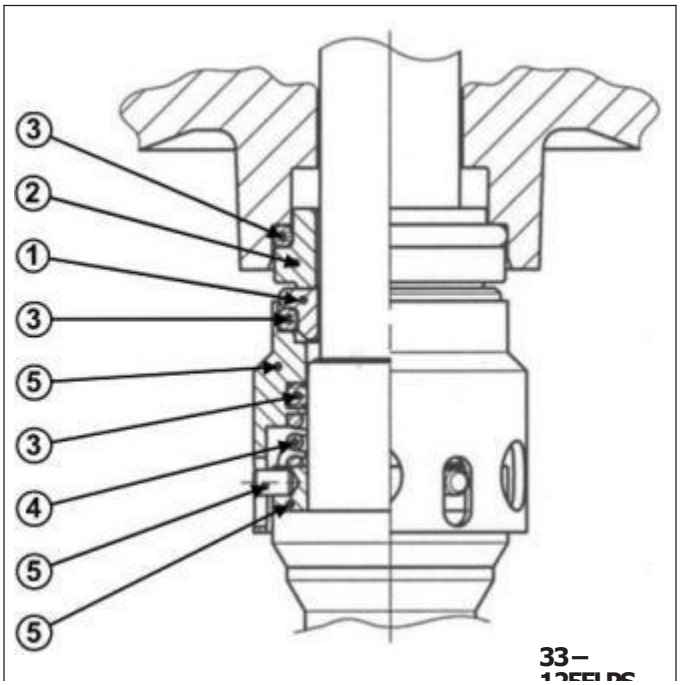
N VERSIONS

Ref. No.	Name	Material	Reference Standards	
			USA	Europe
1	Pump Body	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)
2	Impeller	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)
3	Diffuser	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)
4	Casing	Stainless Steel	AISI 316L	EN 10088-1-X2-CrNiMo17-12-2 (1.4404)
5	Shaft	Duplex Stainless Steel	UNSS 31803	EN 10088-1-X17-CrNiMoN22-5-3 (1.4507)
6	Adapter (up to 40HP)	Cast Iron	ASTM Class 25	EN 1561-GJL-200 (JL1040)
	Adapter (50HP and higher)		ASTM Class A536	EN 1561-GJL-500-7 (JS1050)
7	Wear Ring	PPS		
8	Coupling (up to 40HP)	Cast Iron	A384.0-F	EN 1706-AC-AlSi11Cu2(Fe) (AC46100)
	Coupling (50HP and higher)			
9-9A	Upper Head / Seal Housing	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)
10	Mechanical Seal	Silicon Carbide / Carbon / Viton (opt. EPDM)		
11	Elastomers	Viton (opt. EPDM)		
12	Coupling Guard	Stainless Steel	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)
13	Shaft Sleeve and Bushing	Tungsten Carbide		
14	Bushing for Diffuser	Carbon		
15	Fill/Drain Plugs	Stainless Steel	AISI 316	EN 10088-1-X2-CrNiMo17-12-2 (1.4401)
16	Tie Rods	Carbon Steel / Zinc Plated	A29 Gr. 1045	EN 10277
17	Adapter Ring	Stainless Steel	AISI 304	EN 10088-1-X5-CrNi18-10 (1.4301)

FLPS Mechanical Seals



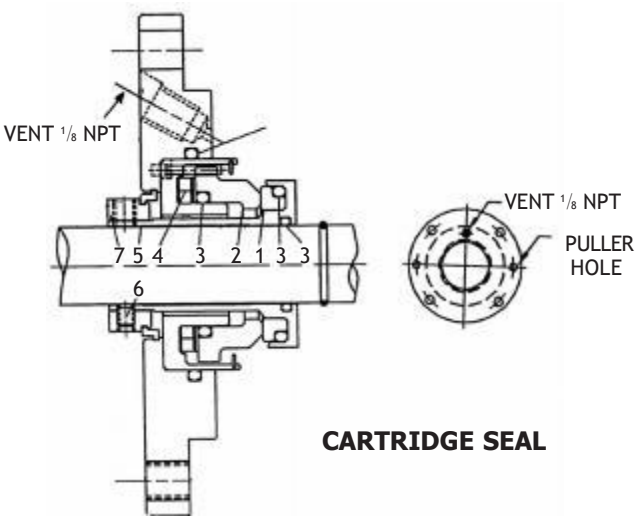
1 – 22FLPS



33 – 125FLPS

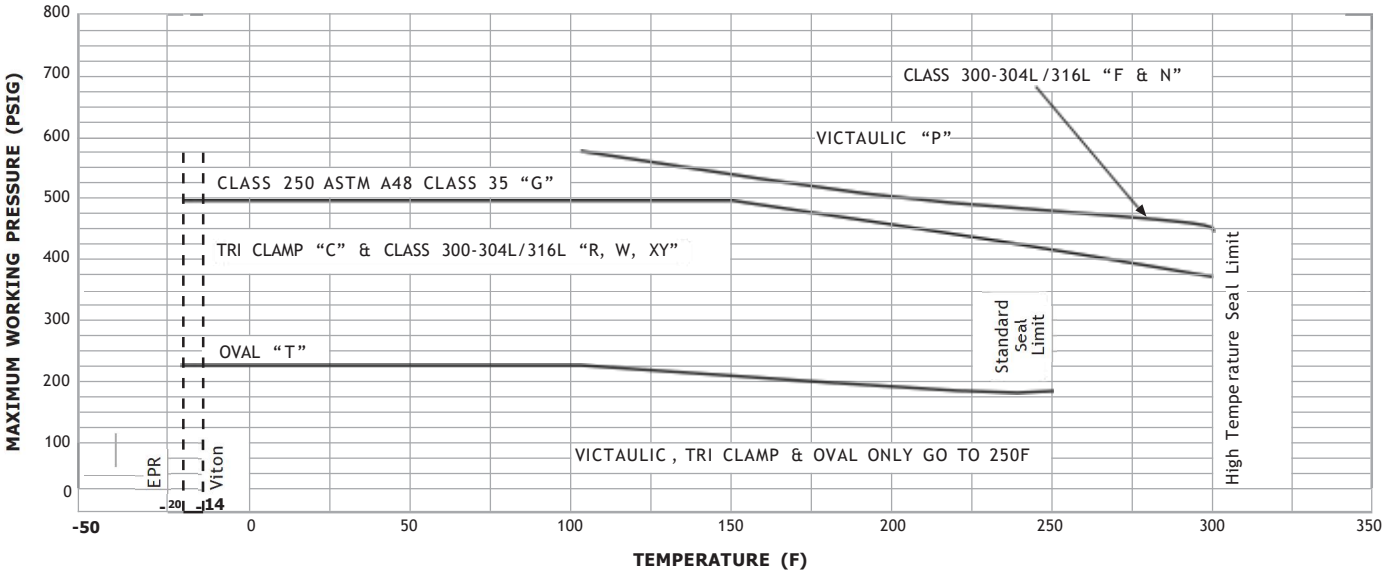
Pump	Code	Rotating Face 1	Stationary Face 2	Elastomers 3	Spring 4	Metal Components 5	Elastomer Temp Limits °F (°C)	Seal Temp Limits °F (°C)	Max. Working Pressure	Application
1FLPS thru 22FLPS	0	Carbon	Silicon Carbide Graphite Filled	Viton	316SS	316SS	-14 - 392°F (-10 - 200°C)	-22 - 250°F	580 psi (40 bar)	General Service
	2	Silicon Carbide Graphite Filled								Severe Duty
	4			EPR			-30 - 300°F (-34 - 150°C)			Severe Duty Boiler Feed
	6	Carbon								General Service Boiler Feed
	1	FDA Grade Carbon		AFLPSAS			-14 - 392°F (-10 - 200°C)	up to 300°F (149°C)	255 psi (17.6 bar)	Boiler Feed
33FLPS thru 125FLPS	0	Carbon	Silicon Carbide Graphite Filled	Viton	316SS	316SS	-14 - 392°F (-10 - 200°C)	-22 - 250°F (-30 - 120°C)	580 psi (40 bar)	General Service
	2	Silicon Carbide Graphite Filled								Severe Duty
	4			EPR			-22 - 250°F (-30 - 120°C)			Severe Duty Boiler Feed
	6	Carbon								General Service Boiler Feed

Pump	Rotating Face 1	Stationary Face 2	Elastomers 3	Spring 4	Sleeve 5	SetScrew 6	Locking Collar
33FLPS	Silicon Carbide	Carbon	Viton	316SS	316SS	300SS	316SS
46FLPS							
66FLPS		Silicon Carbide	EPR				
92FLPS							

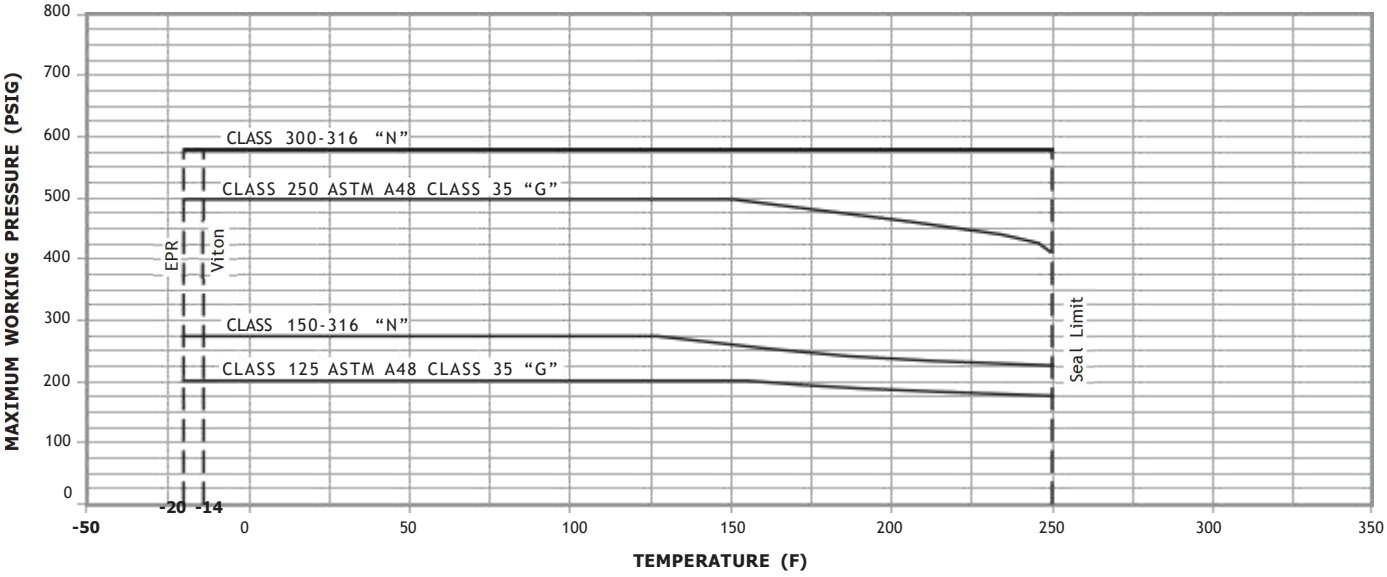


Maximum Allowable Working Pressure Charts

1FLPS-22FLPS

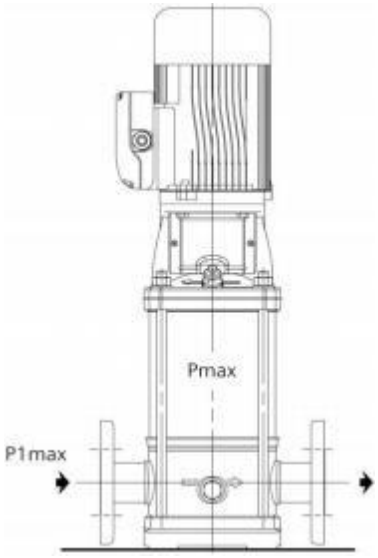


33FLPS-125FLPS



Maximum Inlet Pressure

The following table shows the maximum permissible inlet pressure. However, the actual inlet pressure + pressure against a closed valve must always be lower than the maximum permissible operating pressure.



$p_{1max} \leq PN - pmax$

Having the following meaning of the symbols:

p_{max} = Maximum pressure delivered by the pump

p_{1max} = Maximum inlet pressure

PN = Maximum operating pressure

Motor Data – Starts per Hour / Minimum RunTime

HP	Maximum Starts per Hour*	Minimum run time between starts (seconds)
0.5	24	120
0.75	24	120
1	15	75
1.5	13	76
2	12	77
3	9	30
5	8	83
7.5	7	88
10	6	92
15	5	100
20	5	110
25	5	115
30	4	120
40	4	130
50	3	145
60	3	170
75	3	180

NOTE(S)

1) Recommended motor starts per hour and minimum run time calculated based on NEMA standards MG1-12.44 in accordance to manufacturers allowable tolerance for heat rise and insulation breakdown.
2) Applied voltage and frequency in accordance with NEMA MG1-12.44
3) Starts based on NEMA three phase design A and design B AC induction motors.
4) External load WK2 is equal to or less than the values listed in NEMA MG1-12.54
5) Applicable to all NEMA (JM, JP, T and TC frame) motors used for FILIPUSI Pumps products.
6) Applicable to three phase motors only.

Motor Data

2900 RPM, 50Hz

HP	Phase	Enclosure	Voltage	SF	NEMA Frame	Speed / Pole	
						2900 / 2	1450 / 4
0.50	1	ODP	110/200	1.25	56C	V04A14K1BB3S	V04A14K1BB3S
		TEFC				V04A14K2BB3S	V04A14K2BB3S
	3	ODP	190/380-415			0V05741Z	V04A34U1BB3S
		TEFC				0V05742Z	V04A34U2BB3S
		TEPE				V04B32U5BB2S	V04A34U5BB3S
		ODPE				V04A34U4BB3S	V04A34U4BB3S
0.75	1	ODP	110/200			V05B12K1BB2S	V05B14K1BB2S
		TEFC				V05B12K2BB2S	V05B14K2BB2S
	3	ODP	190/380-415			0V06741Z	V05A34U1BB3S
		TEFC				0V06742Z	V05A34U2BB3S
		TEPE				V05B32U5BB2S	V05B34U5BB2S
		ODPE				V05B32U4BB2S	V05B34U4BB2S
1.00	1	ODP	110/200	1.15		V06B12K1BB2S	V06B14K1BB2S
		TEFC				V06B12K2BB2S	V06B14K2BB2S
	3	ODP	190/380-415			0V07741Z	V06A34U1BB2S
		TEFC				0V07742Z	V06A34U2BB2S
		ODPE				V06B32U4BB2S	V06B34U4BB2S
		TEPE				V06B32U5BB2S	V06B34U5BB2S
1.50	1	ODP	110/200			V07B12K1BB2S	V07B14K1BB2S
		TEFC				0V08722Z	V07B14K2BB2S
	3	ODP	190/380-415			0V08741Z	V07A34U1BB2S
		TEFC				0V08742Z	V07A34U2BB2S
		ODPE				V07B32U4BB2S	V07B34U4BB2S
		TEPE				V07B32U5BB2S	V07B34U5BB2S
2	1	ODP	110/200			V08B12K1BB2S	V08B14K1BD2S
		TEFC				V08B12K2BB2S	V08B14K2BD2S
	3	ODP	190/380-415			0V09741Z	V08A34U1BB2S
		TEFC				0V09742Z	V08A34U2BB2S
		ODPE				V08B32U4BB2S	V08B34U4BD2S
		TEPE				V08B32U5BD2S	V08B34U5BD2S
3	1	ODP	110/200		182TC	V09B12K1BD2S	V09B14K1BD2S
		TEFC				V09B12K2BD2S	V09B14K2BD2S
	3	ODP	190/380-415		184TC	0V10741ZA	V09A34U1BD2S
		TEFC				0V10742ZA	V09A34U2BD2S
		ODPE			182TC	V09B32U4BD2S	V09B34U4BD2S
		TEPE				V09B32U5BD2S	V09B34U5BD2S
5	1	ODP	110/200		184TC	V10B12N1BD2S	V10B14N1BD2S
		TEFC			213TC	V10B12N2BD1S	V10B14N2BE2S
	3	ODP	190/380-415			0V11741ZA	V10B34U1BE2S
		TEFC				0V11742ZA	V10B34U2BE2S
		ODPE			184TC	V10B32U4BD2S	V10B34U4BD2S
		TEPE				V10B32U5BD2S	V10B34U5BD2S
7.5	1	ODP	110/200		215TC	V11B12N1BE2S	V11A14K1BE2S
		TEFC			184TC	V11B12N2BD2S	V11A14K2BD2S
	3	ODP	190/380-415		213TC	0V12741Z	V11A34U1BE2S
		TEFC				0V12742Z	V11A34U2BE2S
		ODPE				V11B32U4BE2S	V11B34U4BE2S
		TEPE			215TC	V11B32U5BE2S	V11B34U5BE2S

Motor Data

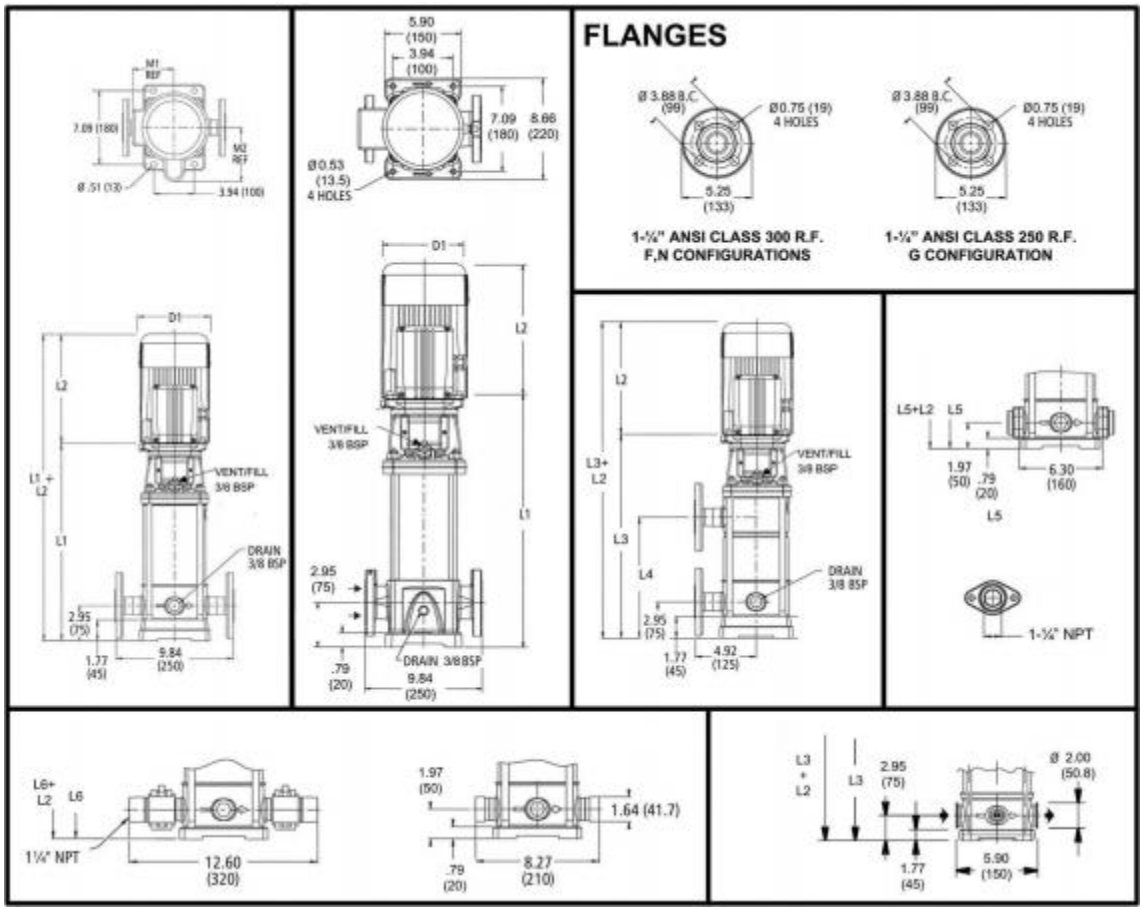
2900 RPM, 50Hz

HP	Phase	Enclosure	Voltage	SF	NEMA Frame	Speed / Pole	
						2900 / 2	1450 / 4
10	3	ODP	190/380-415	1.15	254TC	0V13741Z	V12B34U1BK2S
		TEFC			254TC	0V13742Z	V12B34U2BK2S
		ODPE			215TC	V12B32U4BE2S	V12B34U4BE2S
		TEPE			215TC	V12B32U5BK2S	V12B34U5BE2S
15	3	ODP			256TC	0V14741Z	V13B34U1BK2S
		TEFC			256TC	0V14742Z	V13B34U2BK2S
		ODPE			215TC	V13B32U4BE2S	V13B34U4BK2S
		TEPE			254TC	V13B32U5BK2S	V13B34U5BK2S
20	3	ODP			284TC	0V15741Z	V14B34U1BL2S
		TEFC			284TC	0V15742Z	V14B34U2BL2S
		ODPE			256TC	V14B32U4BK2S	V14B34U4BK2S
		TEPE			256TC	V14B32U5BK2S	V14B34U5BK2S
25	3	ODP			286TC	0V16741Z	V15B34U1BL2S
		TEFC			286TC	0V16742Z	V15B34U2BL2S
		ODPE			256TC	V15B32U4BK2S	V15B34U4BL2S
		TEPE			284TC	V15B32U5BL2S	V15B34U5BL2S
30	3	ODP			286TC	0V17741Z	V16B34U1BL2S
		TEFC			286TC	0V17742Z	V16B34U2BL2S
		ODPE			286TC	V16B32U4BL2S	V16B34U4BL2S
		TEPE			286TC	V16B32U5BL2S	V16B34U5BL2S
40	3	ODP			324TSC	0V18741SZ	V17B34U1BM2S
		TEFC			324TSC	0V18742SZ	V17B34U2BM2S
		ODPE			286TC	V17B32U4BL2S	V17B34U4BM2S
		TEPE			324TSC	X17B32U5BM2S	V17B34U5BM2S
50	3	ODP			324TSC	X18A34U1BM2S	V18B34U1BM2S
		TEFC			324TSC	0V19742SZ	V18B34U2BM2S
		ODPE			324TSC	X18B32U4BM2S	V18B34U4BM2S
		TEPE			326TSC	X18B32U5BM2S	V18B34U5BM2S
60	3	ODP			324TSC	X19A34U1BM2S	V19B34U1BP2S
		TEFC			324TSC	0V20742SZ	V19B34U2BP2S
		ODPE			326TSC	X18B32U4BM2S	V19B34U4BP2S
		TEPE			364TSC	X18B32U5BP2S	V19B34U5BP2S

Dimensions and Weights

1FLPS Series 2900 RPM

50 Hz

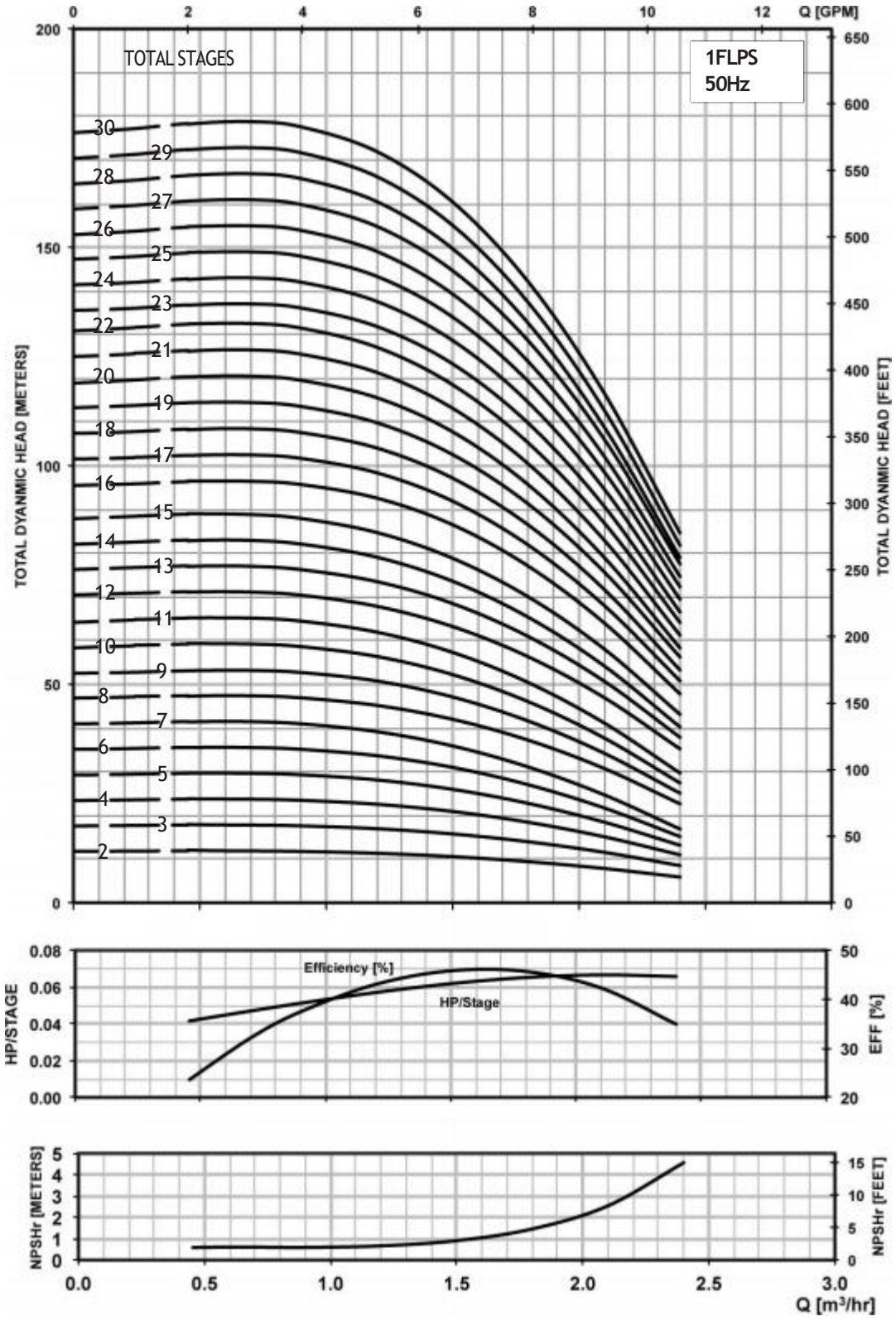


All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)																Weight (lbs.)									
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D 1 (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			
1FLPS-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				
1FLPS-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				
1FLPS-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				
1FLPS-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				
1FLPS-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				
1FLPS-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				
1FLPS-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				
1FLPS-09	0.75					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				
1FLPS-10						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				
1FLPS-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				
1FLPS-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				
1FLPS-13						21.14	10.66	11.19	9.16	9.29	21.14	12.87	20.16	20.16	5.74	6.19	7.19	6.19	6.19	4.13	35	32	40	23	23	67	75	58	58				
1FLPS-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				
1FLPS-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				
1FLPS-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				
1FLPS-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				

1FLPS-18	1.5		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
1FLPS-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
1FLPS-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
1FLPS-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
1FLPS-22			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
1FLPS-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
1FLPS-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
1FLPS-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
1FLPS-26			31.38	11.18	12.06	11.16	10.79	31.38	23.11	30.40	30.40	5.74	7.19	7.19	6.19	6.19	4.72	47	43	51	32	33	90	98	79	80
1FLPS-27	2		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
1FLPS-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
1FLPS-29			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
1FLPS-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 **1FLPS 2900 RPM** **50 Hz**

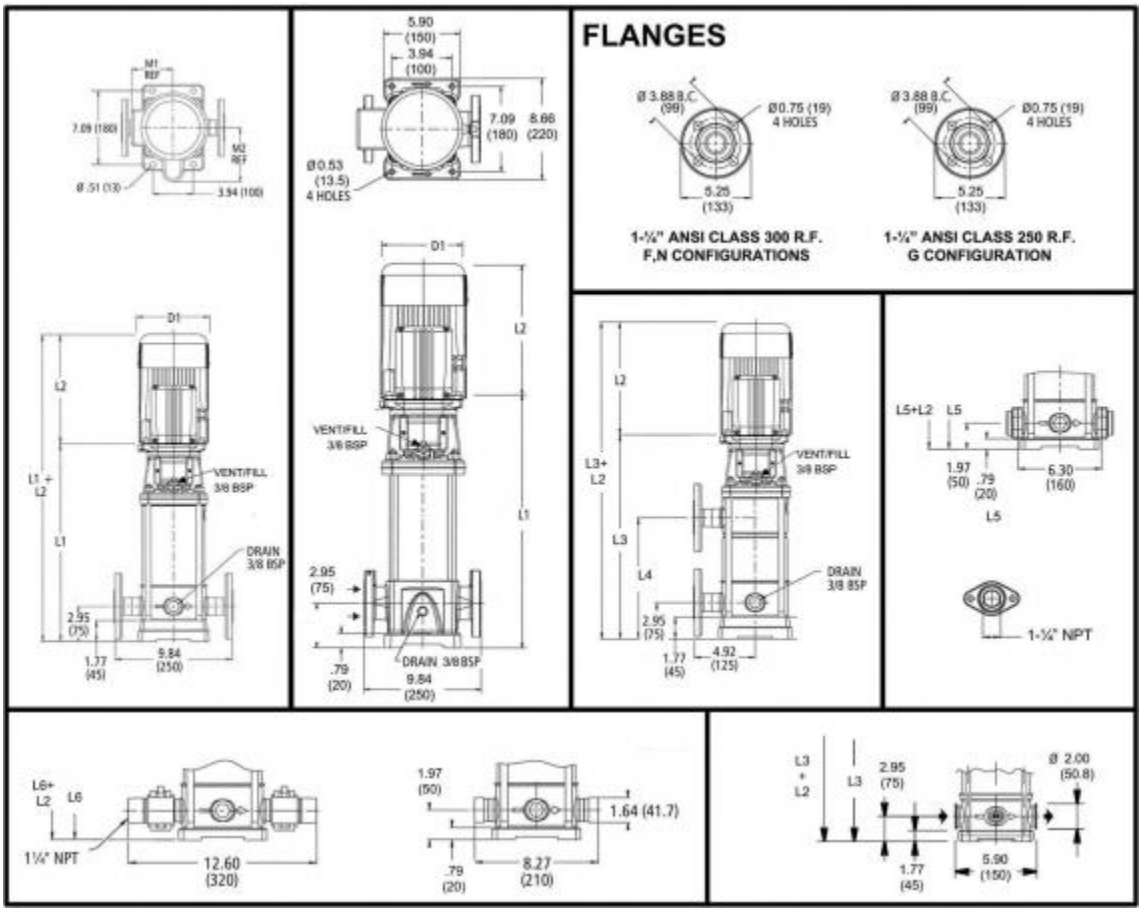


MINIMUM FLPSOW RATE: 0.5 m³/hr [2 GPM]

Dimensions and Weights

3FLPS Series 2900 RPM

50 Hz

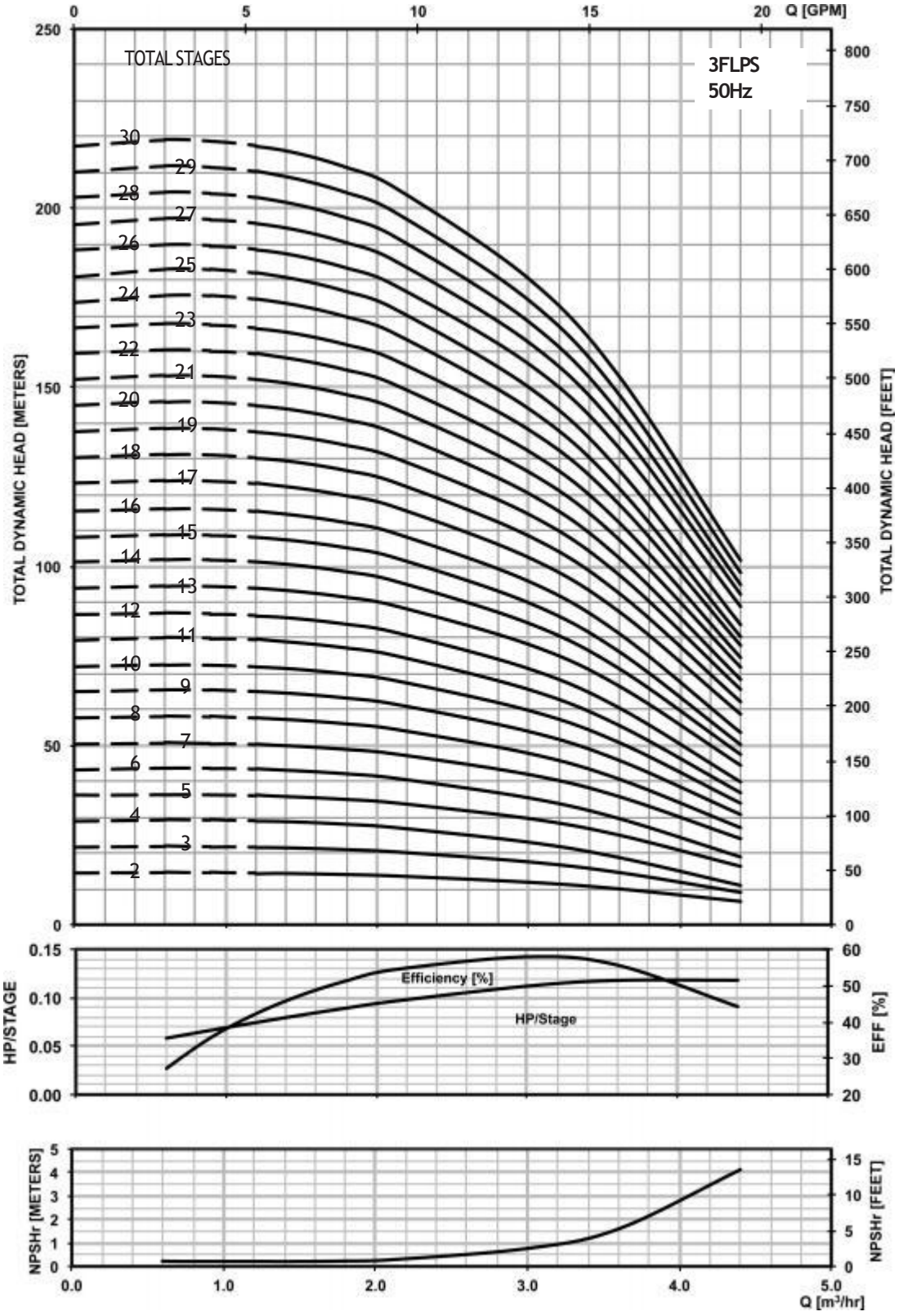


All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)																Weight (lbs.)								
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D 1 (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
3FLPS-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	24	27	29	21	21	51	53	45	45
3FLPS-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	25	27	29	21	21	52	54	46	46
3FLPS-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	26	27	29	21	21	53	55	47	47
3FLPS-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	27	27	29	21	21	54	56	48	48
3FLPS-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	28	32	40	23	23	60	68	51	51
3FLPS-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
3FLPS-08						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	31	32	40	23	23	63	71	54	54
3FLPS-09	1					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
3FLPS-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
3FLPS-11	1.5					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
3FLPS-12						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
3FLPS-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
3FLPS-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
3FLPS-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
3FLPS-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	39	43	51	32	33	82	90	71	72
3FLPS-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

3FLPS-18	2				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
3FLPS-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
3FLPS-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
3FLPS-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
3FLPS-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
3FLPS-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
3FLPS-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
3FLPS-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
3FLPS-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
3FLPS-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
3FLPS-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
3FLPS-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
3FLPS-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 **3FLPS 2900 RPM** **50 Hz**

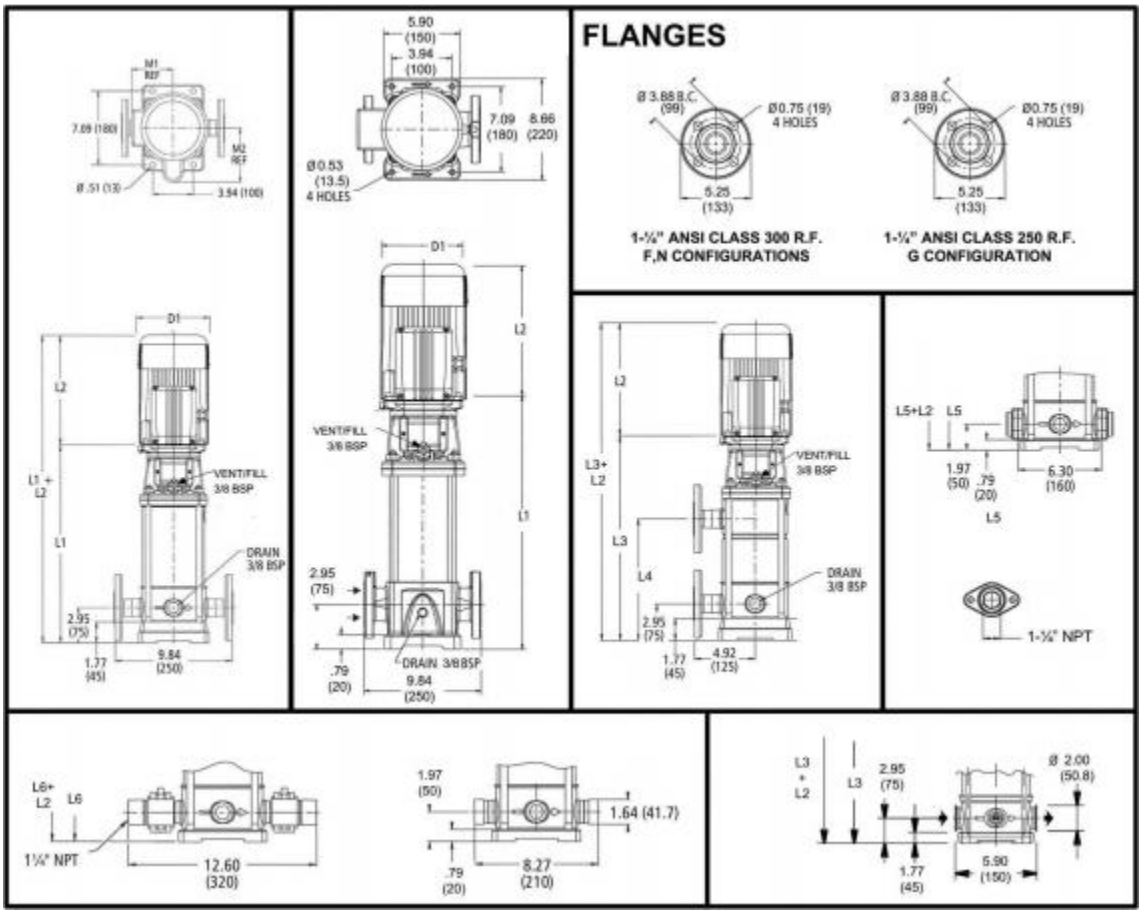


MINIMUM FLPSOW RATE: 0.7 m³/hr [3 GPM]

Dimensions and Weights

5FLPS Series 2900 RPM

50 Hz

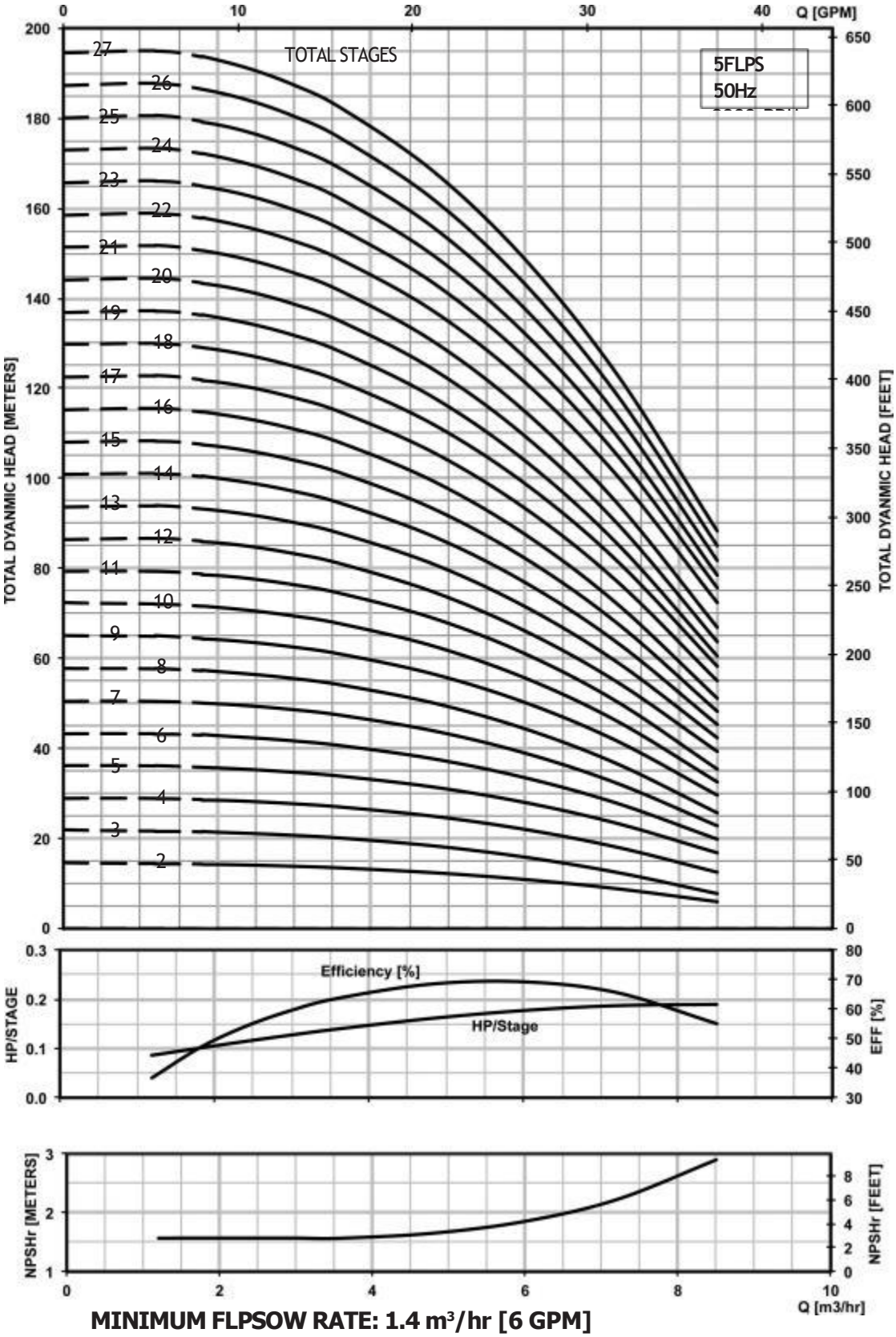


All dimensions are in inches (mm).

Pump Type Stages	Motor HP	Motor NEMA Frame ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	Dimensions (in) L1	L2 ODP 1Ø	L2 TEFC 1Ø	L2 ODP 3Ø	L2 TEFC 3Ø	L3	L4	L5	L6	M (Ref.)	D 1 (max.) ODP 1Ø	D 1 (max.) TEFC 1Ø	D 1 (max.) ODP 3Ø	D 1 (max.) TEFC 3Ø	D2	Weight (lbs.) Pump	Motor ODP 1Ø	Motor TEFC 1Ø	Motor ODP 3Ø	Motor TEFC 3Ø	Pump/Motor ODP 1Ø	Pump/Motor TEFC 1Ø	Pump/Motor ODP 3Ø	Pump/Motor TEFC 3Ø
5FLPS-02	0.5	56C				13.86	10.79	9.91	9.16	9.29	-	-	12.88	12.88	5.19	6.19	6.19	6.19	6.19	4.13	25	27	29	21	21	52	54	46	46
5FLPS-03						13.86	10.79	9.91	9.16	9.29	-	-	12.88	12.88	5.19	6.19	6.19	6.19	6.19	4.13	26	27	29	21	21	53	55	47	47
5FLPS-04	0.75					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	28	32	40	23	23	60	68	51	51
5FLPS-05	1					15.83	10.67	11.19	10.66	9.91	-	-	14.85	14.85	5.74	6.19	7.19	6.19	6.19	4.72	29	32	40	30	28	61	69	59	57
5FLPS-06						16.81	10.67	11.19	10.66	9.91	-	-	15.83	15.83	5.74	6.19	7.19	6.19	6.19	4.72	30	32	40	30	28	62	70	60	58
5FLPS-07	1.5					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
5FLPS-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
5FLPS-09						19.77	11.18	12.06	11.16	10.79	19.77	11.50	18.78	18.78	5.74	7.19	7.19	6.19	6.19	4.72	33	43	51	32	33	76	84	65	66
5FLPS-10	2					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
5FLPS-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
5FLPS-12						22.72	11.57	13.44	11.18	11.16	22.72	14.45	21.74	21.74	5.75	6.50	7.19	7.16	7.19	5.51	36	49	64	41	44	85	100	77	80
5FLPS-13	3	184TC	182TC	184TC		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
5FLPS-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
5FLPS-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
5FLPS-						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

16																											
5FLPS-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
5FLPS-18				29.33	13.93	15.43	12.55	13.93	29.33	20.35	28.34	28.34	6.87	8.88	8.86	9.02	8.86	5.51	46	81	92	62	69	127	138	108	115
5FLPS-19	5	213TC	184TC	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
5FLPS-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
5FLPS-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
5FLPS-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
5FLPS-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
5FLPS-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
5FLPS-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
5FLPS-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
5FLPS-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 **5FLPS 2900 RPM** **50 Hz**

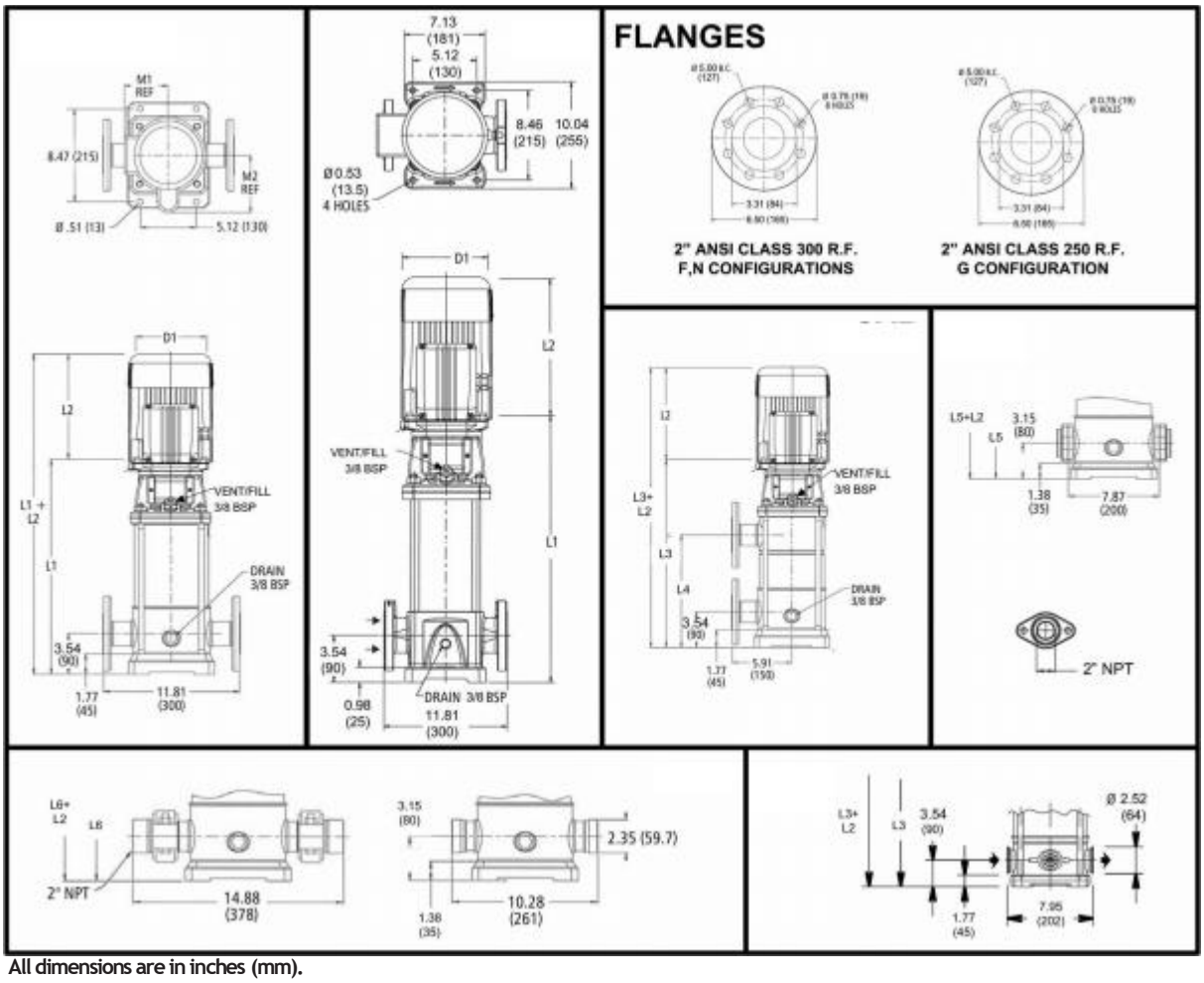


MINIMUM FLPSOW RATE: 1.4 m³/hr [6 GPM]

Dimensions and Weights

10FLPS Series 2900 RPM

50 Hz

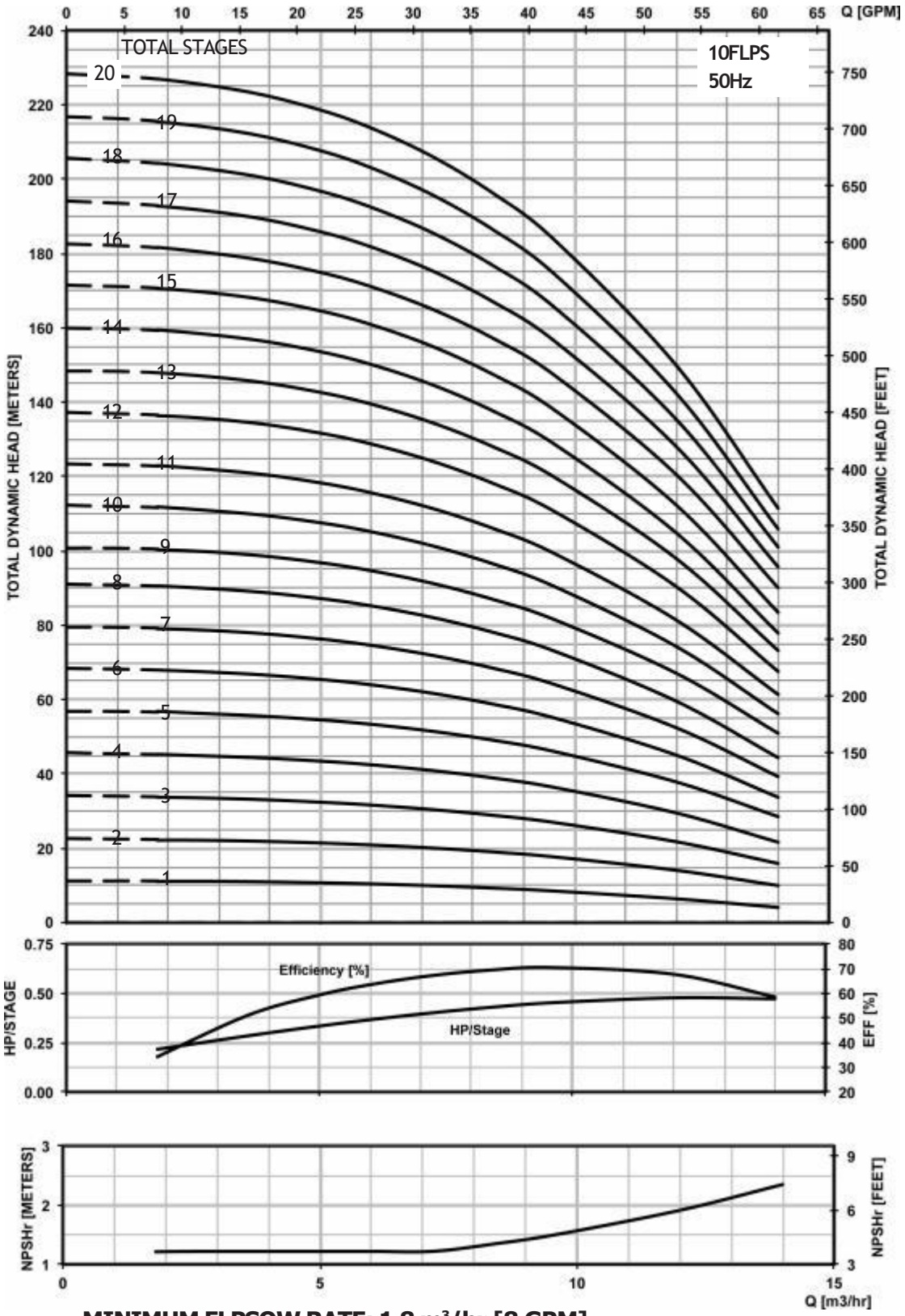


All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)																Weight (lbs.)								
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D 1 (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
10FLPS-01	0.5	56C				16.56	10.79	9.91	9.16	9.29	-	-	16.17	16.17	5.19	6.19	6.19	6.19	6.19	4.13	36	27	29	21	21	63	65	57	57
10FLPS-02	1					16.56	10.67	11.19	10.66	9.91	-	-	16.17	16.17	5.74	6.19	7.19	6.19	6.19	4.72	38	32	40	30	28	70	78	68	66
10FLPS-03	1.5					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
10FLPS-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
10FLPS-05	3	184TC		182TC	184TC	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
10FLPS-06						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
10FLPS-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
10FLPS-08	5	213TC		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
10FLPS-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
10FLPS-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
10FLPS-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
10FLPS-12						28.87	13.88	15.53	13.93	15.43	28.87	19.02	28.48	28.48	8.05	8.89	10.62	8.88	8.86	5.51	63	100	120	75	85	163	183	138	148
10FLPS-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

10FLPS-14	7.5	215TC	215TC	213TC	215TC	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
10FLPS-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
10FLPS-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
10FLPS-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
10FLPS-18						37.81	16.63	16.68	15.55	15.51	37.81	26.57	-	37.41	8.77	10.62	10.18	10.18	10.28	5.51	85	132	145	107	122	217	230	192	207
10FLPS-19	10	-	-	215TC	254TC	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
10FLPS-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 **10FLPS 2900 RPM** **50 Hz**

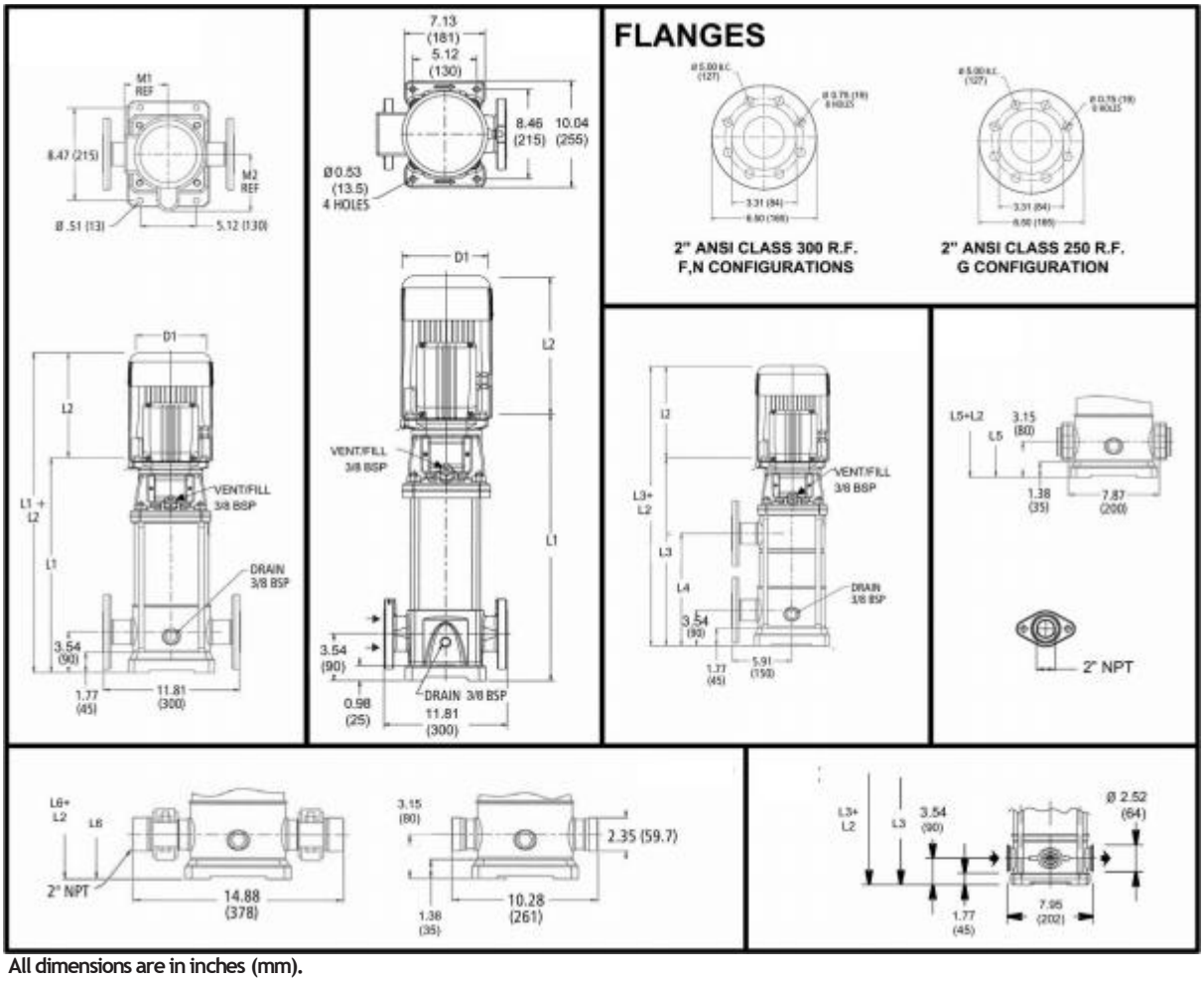


MINIMUM FLPSOW RATE: 1.8 m³/hr [8 GPM]

Dimensions and Weights

15FLPS Series 2900 RPM

50 Hz

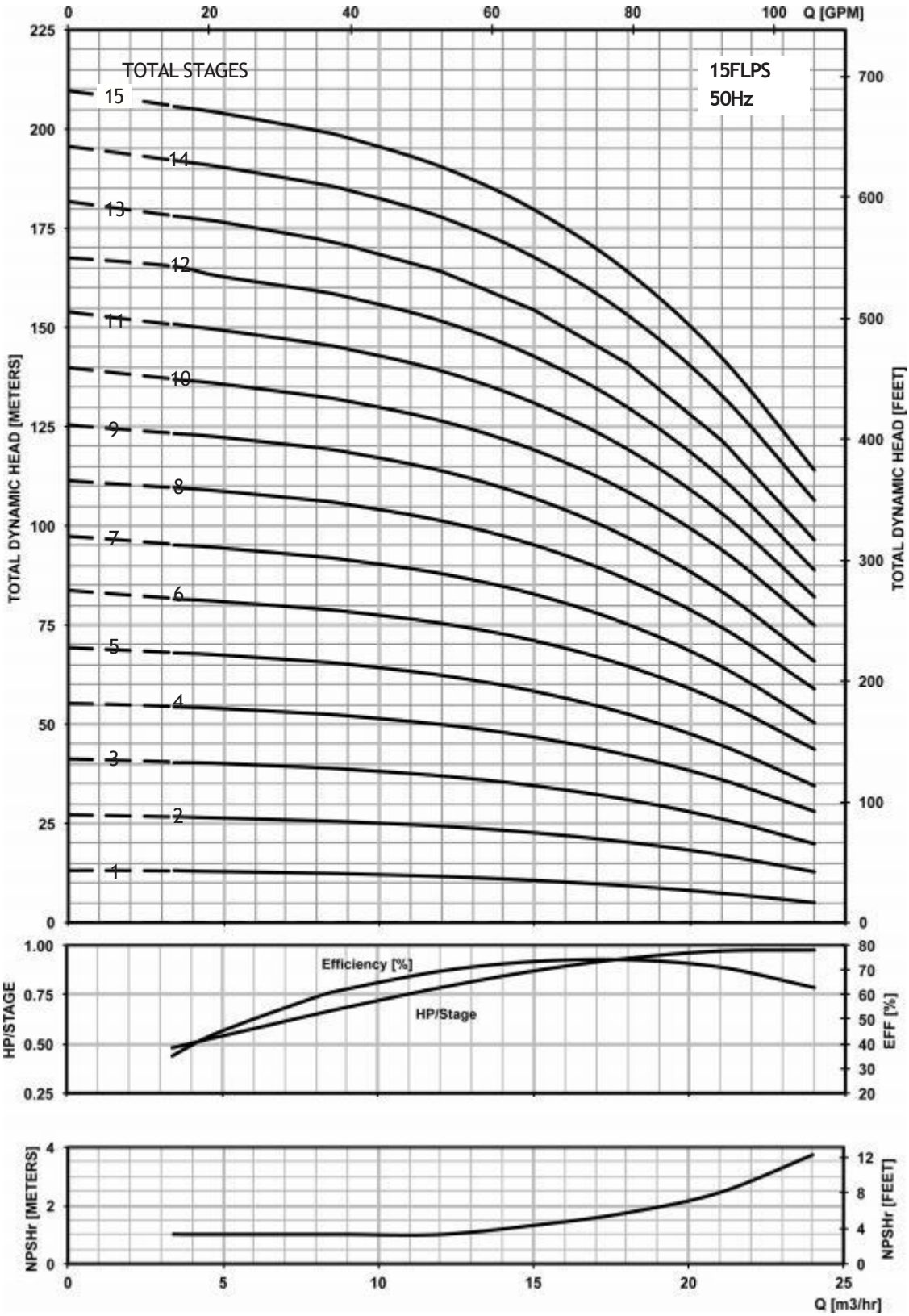


All dimensions are in inches (mm).

Pump Type Stages	Motor HP	Motor NEMA Frame ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	Dimensions (in) L1	L2 ODP 1Ø	L2 TEFC 1Ø	L2 ODP 3Ø	L2 TEFC 3Ø	L3	L4	L5	L6	M (Ref.)	D1 (max.) ODP 1Ø	D1 (max.) TEFC 1Ø	D1 (max.) ODP 3Ø	D1 (max.) TEFC 3Ø	D2	Weight (lbs.) Pump	Motor ODP 1Ø	Motor TEFC 1Ø	Motor ODP 3Ø	Motor TEFC 3Ø	Pump/Motor ODP 1Ø	Pump/Motor TEFC 1Ø	Pump/Motor ODP 3Ø	Pump/Motor TEFC 3Ø
15FLPS-01	1	56C				18.21	10.67	11.19	10.66	9.91	-	-	17.82	17.82	5.74	6.19	7.19	6.19	6.19	4.72	37	32	40	30	28	69	77	67	65
15FLPS-02	2					18.21	11.57	13.44	11.18	11.16	-	-	17.82	17.82	5.75	6.50	7.19	7.16	7.19	5.51	41	49	64	41	44	90	105	82	85
15FLPS-03	3	184TC		182TC	184TC	20.60	13.93	15.43	12.55	13.93	-	-	20.21	20.21	6.87	8.88	8.86	9.02	8.86	5.51	47	81	92	62	69	128	139	109	116
15FLPS-04	5	213TC		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	150	170	125	135
15FLPS-05						24.38	13.88	15.53	13.93	15.43	24.38	13.74	23.99	23.99	8.05	8.89	10.62	8.88	8.86	5.51	52	100	120	75	85	152	172	127	137
15FLPS-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	198	211	173	188
15FLPS-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	201	214	176	191
15FLPS-08						30.64	16.63	16.68	15.55	15.51	30.64	19.41	30.25	30.25	8.77	10.62	10.18	10.18	10.28	5.51	71	132	145	107	122	203	216	178	193
15FLPS-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	-	-	204	274
15FLPS-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	-	-	208	278
15FLPS-11						36.94	-	-	15.55	16.57	36.94	25.08	-	36.55	9.22	-	-	10.18	10.28	5.51	86	-	-	125	195	-	-	211	281
15FLPS-12	15	-		254TC	256TC	38.83	-	-	16.66	20.08	38.83	26.97	-	38.44	9.50	-	-	10.18	13.13	5.51	89	-	-	144	285	-	-	233	374
15FLPS-13						40.72	-	-	16.66	20.08	40.72	28.86	-	40.33	9.50	-	-	10.18	13.13	5.51	92	-	-	144	285	-	-	236	377

15FLPS-14					42.61	-	-	16.66	20.08	42.61	30.75	-	42.22	9.50	-	-	10.18	13.13	5.51	95	-	-	144	285	-	-	239	380
15FLPS-15					44.50	-	-	16.66	20.08	44.50	32.64	-	44.11	9.50	-	-	10.18	13.13	5.51	98	-	-	144	285	-	-	242	383

Performance Curve **15FLPS 2900 RPM** **50 Hz**

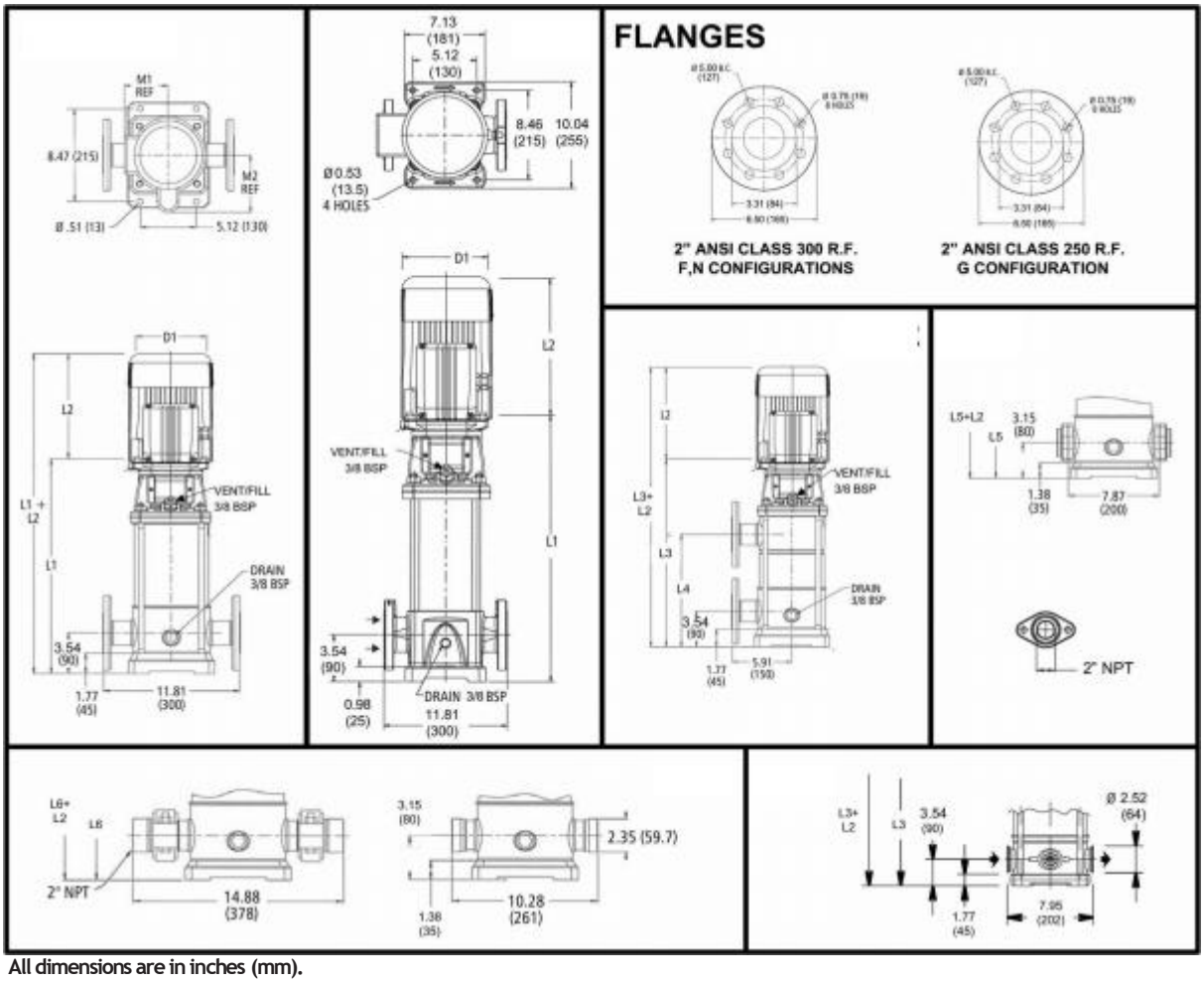


MINIMUM FLPSOW RATE: 3.4 m³/hr [15 GPM]

Dimensions and Weights

22FLPS Series 2900 RPM

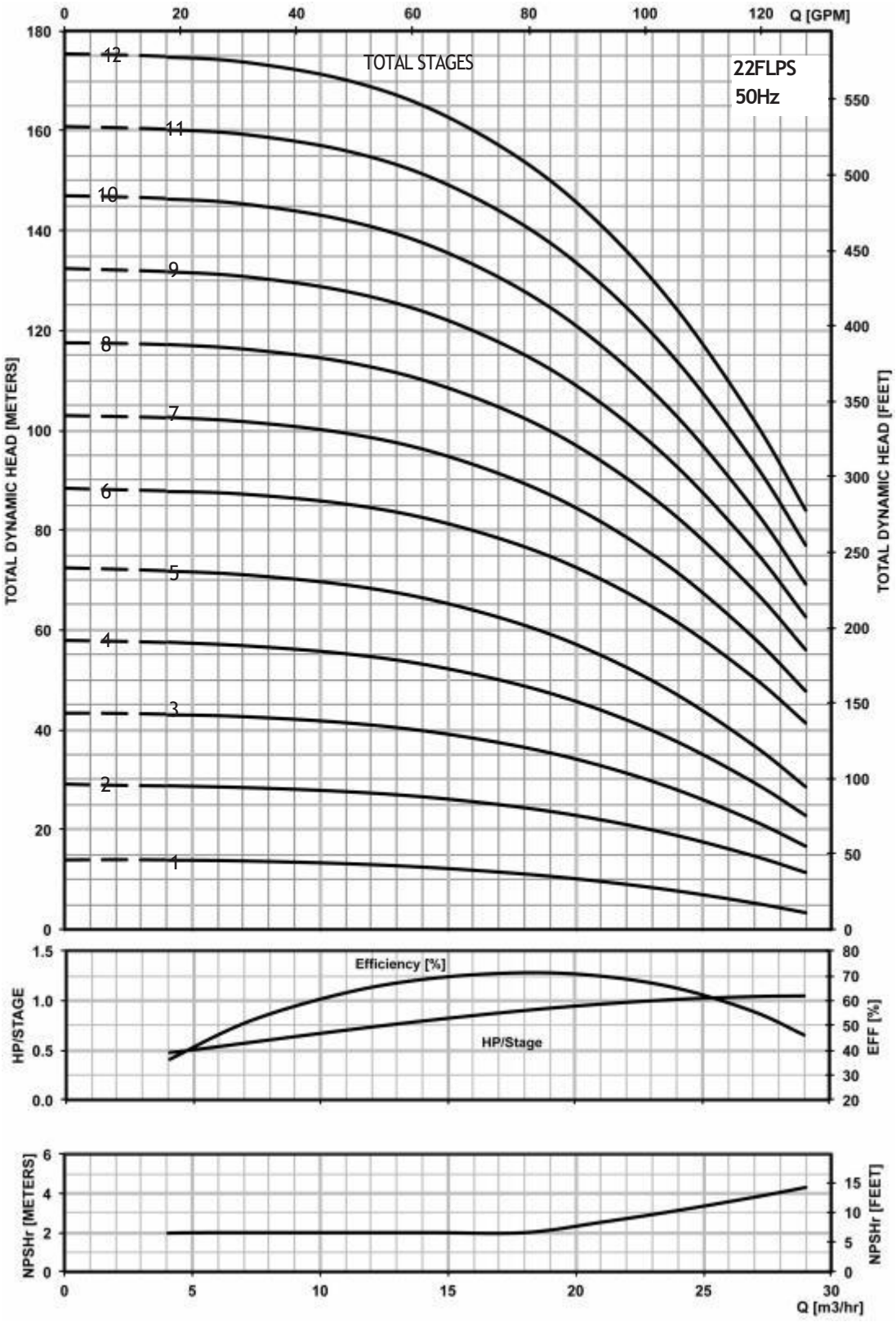
50 Hz



All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)																Weight (lbs.)									
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D 1 (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			
22FLPS 01	1.5	56C				18.61	11.18	12.06	11.16	10.79	-	-	17.82	17.82	5.74	7.19	7.19	6.19	6.19	4.72	38	43	51	32	33	81	89	70	71			
22FLPS 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	45	81	92	62	69	126	137	107	114			
22FLPS 03	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	48	100	120	75	85	148	168	123	133			
22FLPS 04						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	51	100	120	75	85	151	171	126	136			
22FLPS 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	10.18	10.28	5.51	61	132	145	107	122	193	206	168	183			
22FLPS 06						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	64	132	145	107	122	196	209	171	186			
22FLPS 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			
22FLPS 08						31.27	-	-	15.55	16.57	31.27	19.41	30.88	30.88	9.22	-	-	10.18	10.28	5.51	75	-	-	125	195	-	-	200	270			
22FLPS 09	15			254TC	256TC	33.16	-	-	16.66	20.08	33.16	21.30	32.77	32.77	9.50	-	-	10.18	13.13	5.51	77	-	-	144	285	-	-	221	362			
22FLPS-10						35.05	-	-	16.66	20.08	35.05	23.19	34.66	34.66	9.50	-	-	10.18	13.13	5.51	81	-	-	144	285	-	-	225	366			
22FLPS-11						36.94	-	-	16.66	20.08	36.94	25.08	-	36.55	9.50	-	-	10.18	13.13	5.51	84	-	-	144	285	-	-	228	369			
22FLPS-12						38.83	-	-	16.66	20.08	38.83	26.97	-	38.44	9.50	-	-	10.18	13.13	5.51	87	-	-	144	285	-	-	231	372			

Performance Curve **22FLPS 2900 RPM** **50 Hz**

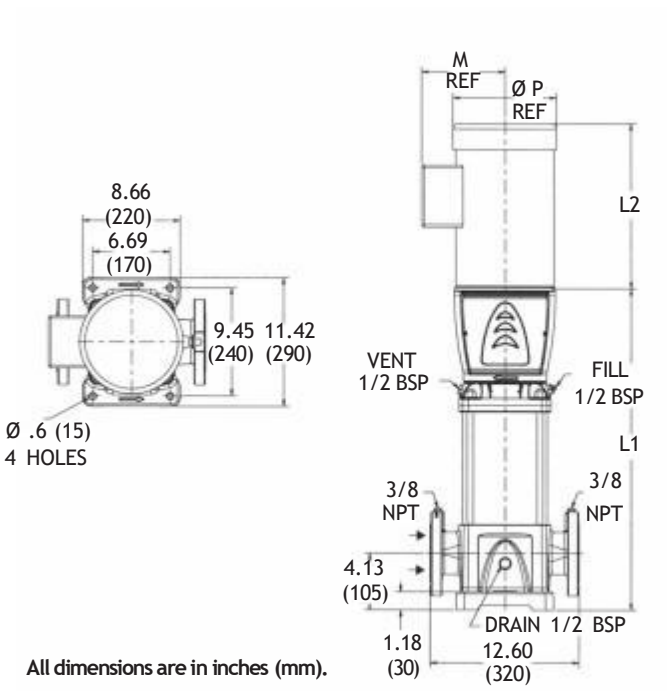


MINIMUM FLPSOW RATE: 4.1 m³/hr [18 GPM]

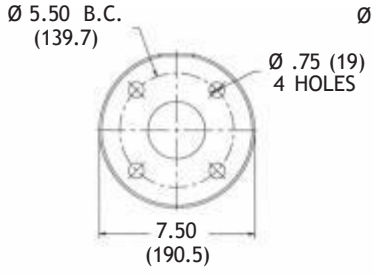
Dimensions and Weights

33FLPS Series 2900 RPM

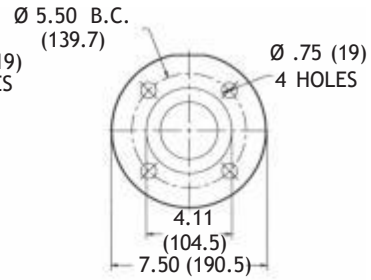
50 Hz



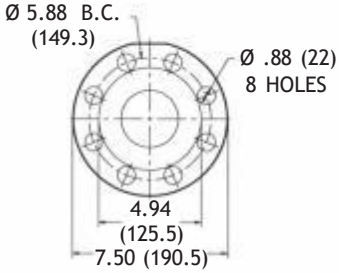
All dimensions are in inches (mm).



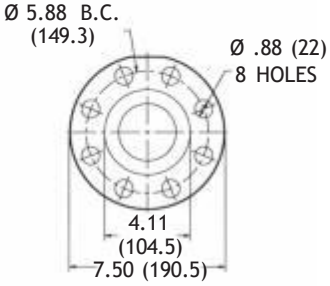
Cast Iron
2½" Class 125 F.F.



316SS
2½" Class 150 R.F.



Cast Iron
2½" Class 250 R.F.

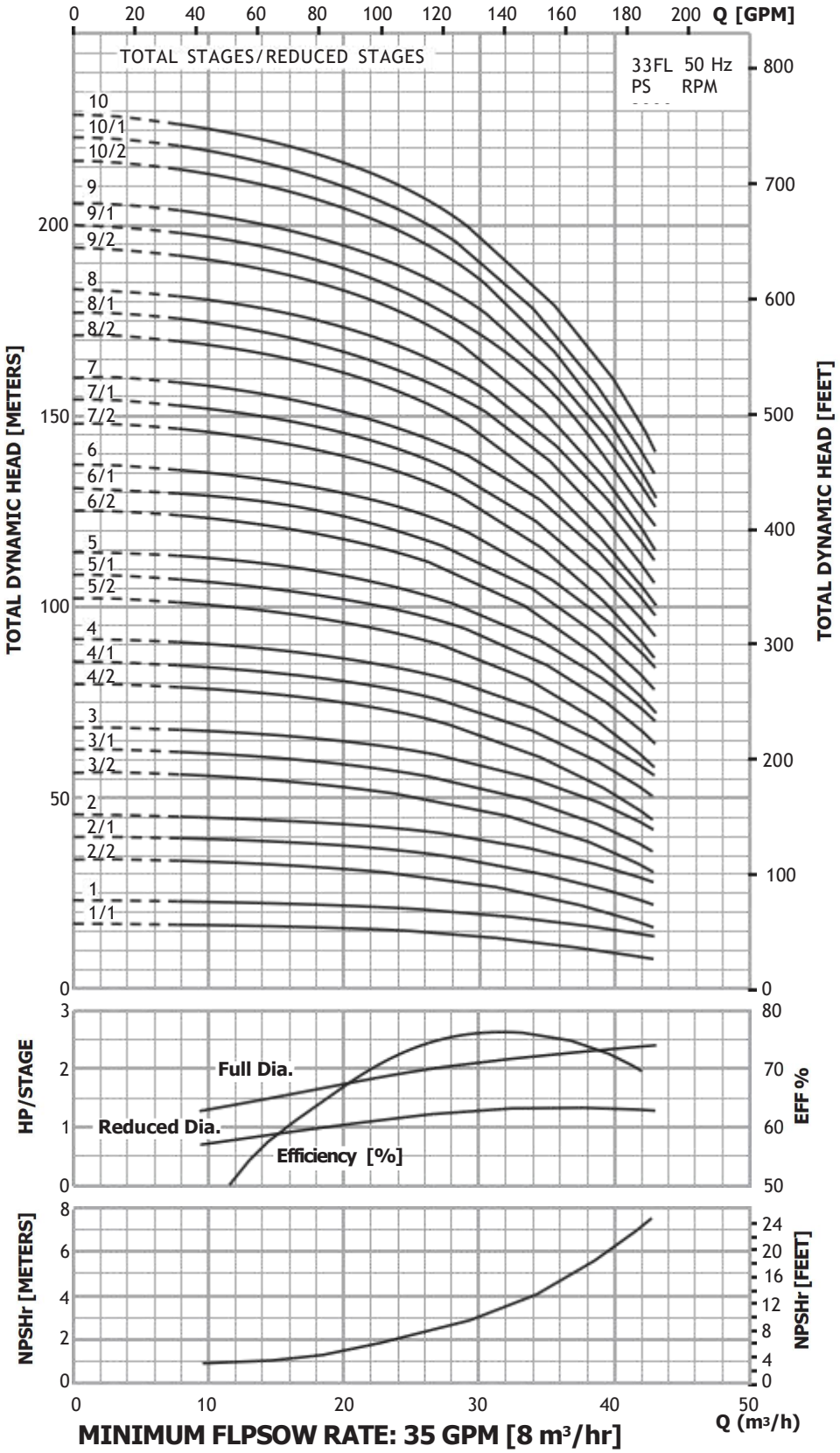


316SS
2½" Class 300 R.F.

Pump Type Stages	Motor HP	Motor NEMA Frame ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	Dimensions (in) L1	L2 ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	M (Ref.)	D1 (max.) ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	D2	Weight (lbs.) Pump Only	Motor ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	Pump/Motor ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
33FLPS-1	3	182TC	184TC	182TC	184TC	20.62	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	132	81	92	62	69	213	224	194	201
33FLPS-2/2	5	184TC			23.58	23.58	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	143	100	120	75	85	243	263	218	228
33FLPS-2/1						13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	143	100	120	75	85	243	263	218	228	33FLPS-2
33FLPS-3/2	7.5	213TC			215TC	23.58	15.56	15.56	15.50	15.50	8.06	10.19	10.19	10.25	10.25	5.51	143	132	145	107	122	275	288	250	265
						26.54	15.56	15.56	15.50	15.50	8.06	10.19	10.19	10.25	10.25	5.51	152	132	145	107	122	284	297	259	274
33FLPS-3/1						26.54	15.56	15.56	15.50	15.50	8.06	10.19	10.19	10.25	10.25	5.51	152	132	145	107	122	284	297	259	274
33FLPS-3	10	-	-	215TC	254TC	26.54	-	-	16.56	16.56	9.25	10.19	10.19	10.31	10.31	5.51	152	-	-	125	195	-	-	277	347
33FLPS-4/2		-	-			29.50	-	-	16.56	16.56	9.25	10.19	10.19	10.31	10.31	5.51	161	-	-	125	195	-	-	286	356
33FLPS-4/1		-	-			29.50	-	-	16.56	16.56	9.25	10.19	10.19	10.31	10.31	5.51	161	-	-	125	195	-	-	286	356
33FLPS-4	15	-	-	254TC	256TC	29.50	-	-	16.56	16.56	9.25	10.19	10.19	10.31	10.31	5.51	161	-	-	144	285	-	-	305	446
33FLPS-5/2		-	-			32.44	-	-	16.56	16.56	9.25	10.19	10.19	10.31	10.31	5.51	172	-	-	144	285	-	-	316	457
33FLPS-5/1		-	-			32.44	-	-	16.56	16.56	9.25	10.19	10.19	10.31	10.31	5.51	172	-	-	144	285	-	-	316	457
33FLPS-5		-	-			32.44	-	-	16.56	16.56	9.25	10.19	10.19	10.31	10.31	5.51	172	-	-	144	285	-	-	316	457
33FLPS-6/2		-	-			35.40	-	-	16.56	16.56	9.25	10.19	10.19	10.31	10.31	5.51	194	-	-	144	285	-	-	338	479
33FLPS-6/1	20	-	-	256TC	284TC	35.40	-	-	23.38	23.38	13.12	11.63	11.63	15.31	15.31	5.51	194	-	-	185	283	-	-	379	477
33FLPS-6		-	-			35.40	-	-	23.38	23.38	13.12	11.63	11.63	15.31	15.31	5.51	194	-	-	185	283	-	-	379	477
33FLPS-7/2		-	-			38.35	-	-	23.38	23.38	13.12	11.63	11.63	15.31	15.31	5.51	204	-	-	185	283	-	-	389	487
33FLPS-		-	-			38.35	-	-	23.38	23.38	13.12	11.63	11.63	15.31	15.31	5.51	204	-	-	185	283	-	-	389	487

7/1																										
33FLPS-7		-	-			38.35	-	-	23.38	23.38	13.12	11.63	11.63	15.31	15.31	5.51	204	-	-	185	283	-	-	389	487
33FLPS-8/2		-	-			41.30	-	-	23.38	23.38	13.12	11.63	11.63	15.31	15.31	5.51	221	-	-	185	283	-	-	406	504
33FLPS-8/1		-	-			41.30	-	-	23.38	23.38	13.12	13.25	13.25	15.31	15.31	5.51	221	-	-	296	382	-	-	517	603
33FLPS-8	25	-	-			41.30	-	-	23.38	23.38	13.12	13.25	13.25	15.31	15.31	5.51	221	-	-	296	382	-	-	517	603
33FLPS-9/2		-	-			44.25	-	-	23.38	23.38	13.12	13.25	13.25	15.31	15.31	5.51	230	-	-	296	382	-	-	526	612
33FLPS-9/1		-	-			44.25	-	-	23.38	23.38	13.12	13.25	13.25	15.31	15.31	5.51	230	-	-	296	382	-	-	526	612
33FLPS-9		-	-			44.25	-	-	23.38	23.38	13.12	13.25	13.25	15.31	15.31	5.51	230	-	-	296	382	-	-	526	612
33FLPS-10/2	30	-	-	284TC	284TC	47.20	-	-	23.38	23.38	13.12	13.25	13.25	15.31	15.31	5.51	249	-	-	315	446	-	-	564	695
33FLPS-10/1		-	-			47.20	-	-	23.38	23.38	13.12	13.25	13.25	15.31	15.31	5.51	249	-	-	315	446	-	-	564	695
33FLPS-10		-	-			47.20	-	-	23.38	23.38	13.12	13.25	13.25	15.31	15.31	5.51	249	-	-	315	446	-	-	564	695

Performance Curve **33FLPS 2900 RPM** **50 Hz**

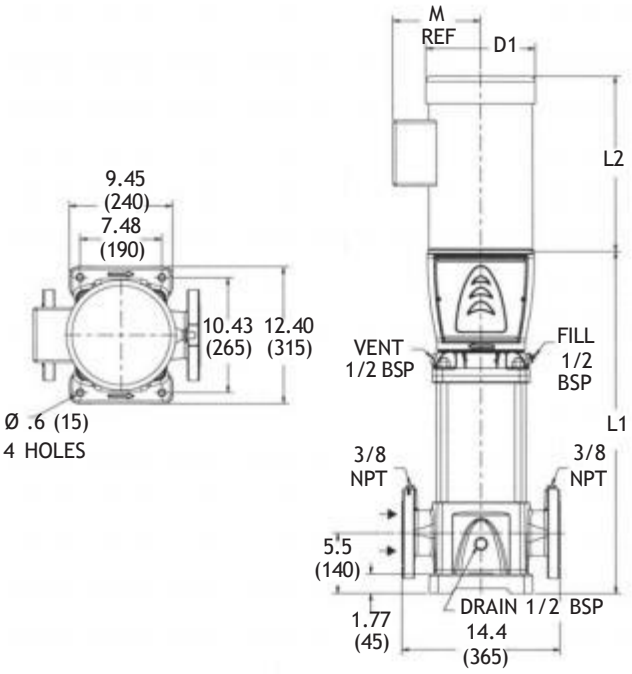


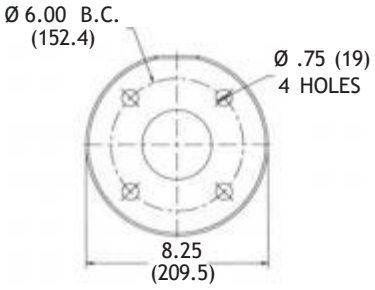
MINIMUM FLPSOW RATE: 35 GPM [8 m³/hr]

Dimensions and Weights

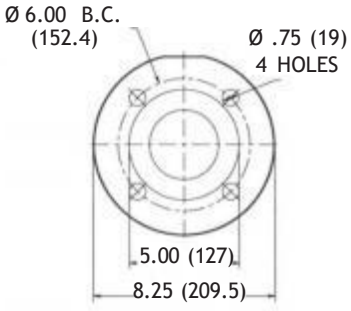
46FLPS Series 2900 RPM

50 Hz

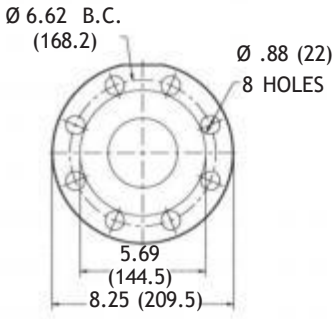




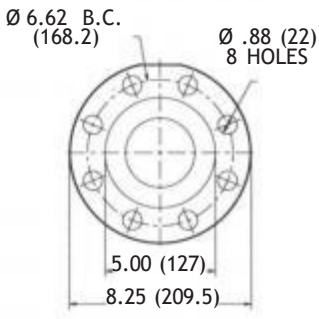
Cast Iron
3" Class 125 F.F.



316SS
3" Class 150 R.F.



Cast Iron
3" Class 250 R.F.



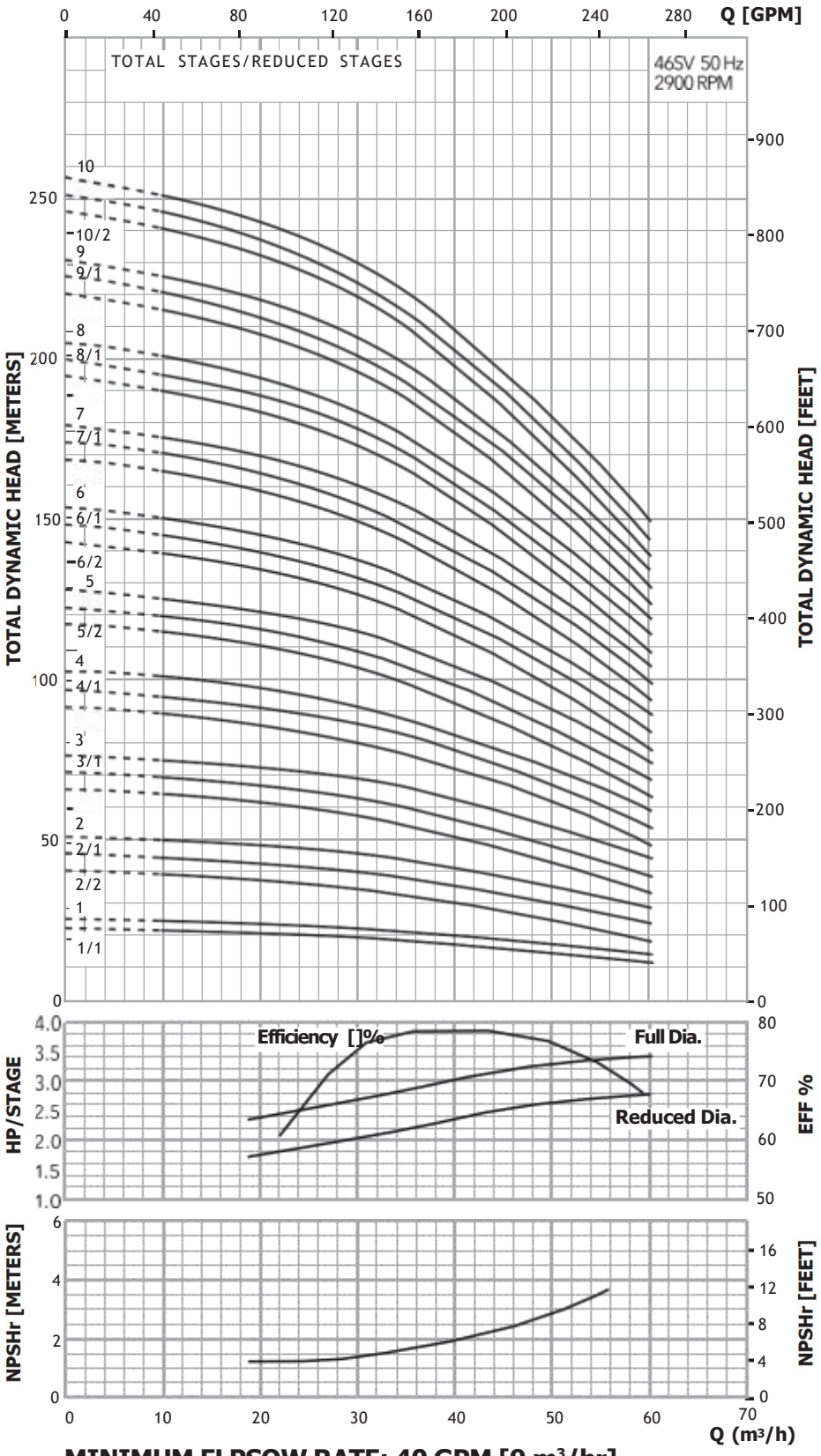
316SS
3" Class 300 R.F.

All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)											Weight (lbs.)								
		NEMA Frame					L2				M	D 1 (max.)				D2		Motor				Pump/Motor			
	HP	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	L1	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	(Ref.)	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø		Pump Only	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
46FLPS-1	5	184TC				22.19	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	147	101	124	101	124	248	271	248	271
46FLPS-2/2						25.19	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	158	101	124	101	124	259	282	259	282
46FLPS-2/1	7.5	213TC			215TC	25.19	13.94	15.44	15.56	15.50	8.06	10.19	10.25	10.19	10.25	5.51	158	130	151	130	151	288	309	288	309
46FLPS-2	10	-	-	215TC	254TC	25.19	-	-	15.56	16.56	9.25	-	-	10.19	10.31	5.51	158	-	-	128	250	-	-	286	408
46FLPS-3/2		-	-			28.12	-	-	15.56	16.56	9.25	-	-	10.19	10.31	5.51	169	-	-	128	250	-	-	297	419
46FLPS-3/1	15	-	-	254TC	256TC	28.12	-	-	15.56	16.56	9.25	-	-	10.19	10.31	5.51	169	-	-	220	280	-	-	389	449
46FLPS-3		-	-			28.12	-	-	15.56	16.56	9.25	-	-	10.19	10.31	5.51	169	-	-	220	280	-	-	389	449
46FLPS-4/2		-	-			32.63	-	-	15.56	16.56	9.25	-	-	10.19	10.31	5.51	185	-	-	220	280	-	-	405	465
46FLPS-4/1		-	-			32.63	-	-	15.56	16.56	9.25	-	-	10.19	10.31	5.51	185	-	-	220	280	-	-	405	465
46FLPS-4	20	-	-	256TC	284TC	32.63	-	-	18.00	23.38	13.12	-	-	11.63	15.13	5.51	185	-	-	240	420	-	-	425	605
46FLPS-5/2		-	-			35.56	-	-	18.00	23.38	13.12	-	-	11.63	15.13	5.51	199	-	-	240	420	-	-	439	619
46FLPS-5/1		-	-			35.56	-	-	18.00	23.38	13.12	-	-	11.63	15.13	5.51	199	-	-	240	420	-	-	439	619
46FLPS-5		-	-			35.56	-	-	18.00	23.38	13.12	-	-	11.63	15.13	5.51	199	-	-	240	420	-	-	439	619
46FLPS-6/2	25	-	-			38.50	-	-	20.12	23.38	13.12	-	-	13.25	15.13	5.51	208	-	-	325	445	-	-	533	653
46FLPS-6/1		-	-			38.50	-	-	20.12	23.38	13.12	-	-	13.25	15.13	5.51	208	-	-	325	445	-	-	533	653
46FLPS-		-	-	284TC		38.50	-	-	20.12	23.38	13.12	-	-	13.25	15.13	5.51	208	-	-	325	445	-	-	533	653

6																								
46FLPS-7/2		-	-		40.94	-	-	20.12	23.38	13.12	-	-	13.25	15.13	5.51	225	-	-	325	445	-	-	550	670
46FLPS-7/1	30	-	-		40.94	-	-	20.12	23.38	13.12	-	-	13.25	15.13	5.51	225	-	-	328	448	-	-	553	673
46FLPS-7		-	-		40.94	-	-	20.12	23.38	13.12	-	-	13.25	15.13	5.51	225	-	-	328	448	-	-	553	673
46FLPS-8/2		-	-		43.94	-	-	20.12	23.38	13.12	-	-	13.25	15.13	5.51	234	-	-	328	448	-	-	562	682
46FLPS-8/1		-	-		43.94	-	-	20.12	23.38	13.12	-	-	13.25	15.13	5.51	234	-	-	328	448	-	-	562	682
46FLPS-8	40	-	-	326TSC	43.94	-	-	22.50	23.38	13.12	-	-	13.25	15.13	5.51	234	-	-	382	592	-	-	616	826
46FLPS-9/2		-	-		46.88	-	-	22.50	23.38	13.12	-	-	13.25	15.13	5.51	253	-	-	382	592	-	-	635	845
46FLPS-9/1		-	-		46.88	-	-	22.50	23.38	13.12	-	-	13.25	15.13	5.51	253	-	-	382	592	-	-	635	845
46FLPS-9		-	-		46.88	-	-	22.50	23.38	13.12	-	-	13.25	15.13	5.51	253	-	-	382	592	-	-	635	845
46FLPS-10/2		-	-		49.81	-	-	22.50	23.38	13.12	-	-	13.25	15.13	5.51	264	-	-	382	592	-	-	646	856

Performance Curve **46FLPS 2900 RPM** **50 Hz**

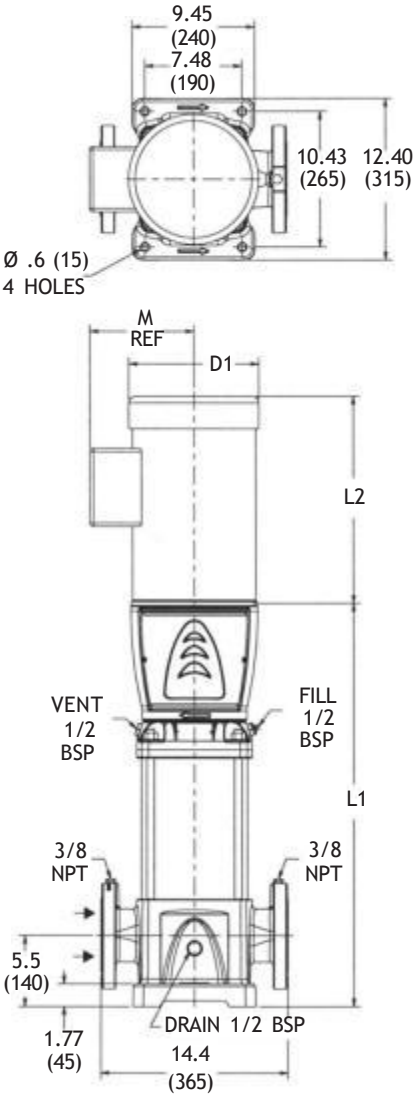


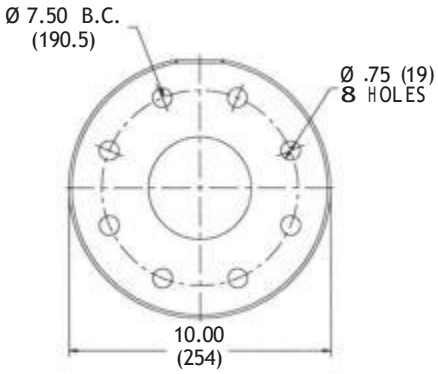
MINIMUM FLPSOW RATE: 40 GPM [9 m³/hr]

Dimensions and Weights

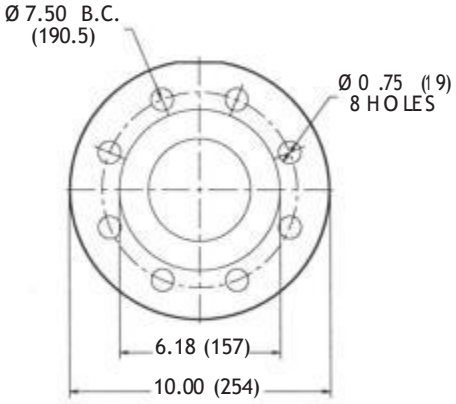
66FLPS Series 2900 RPM

50 Hz

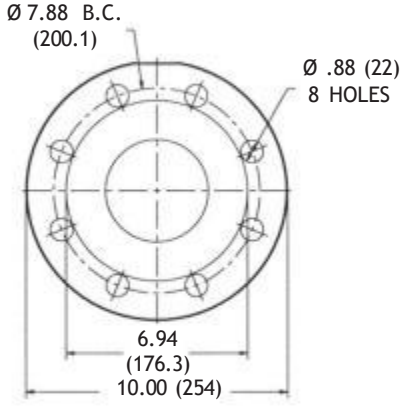




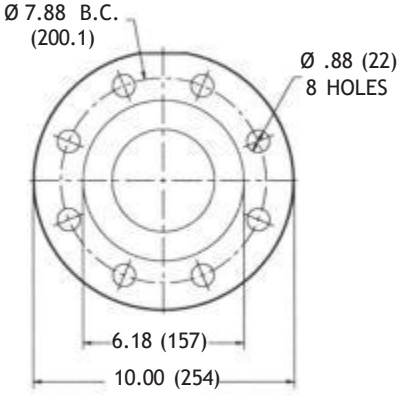
Cast Iron
4" Class 125 F.F.



316SS
4" Class 150 R.F.



Cast Iron
4" Class 250 R.F.



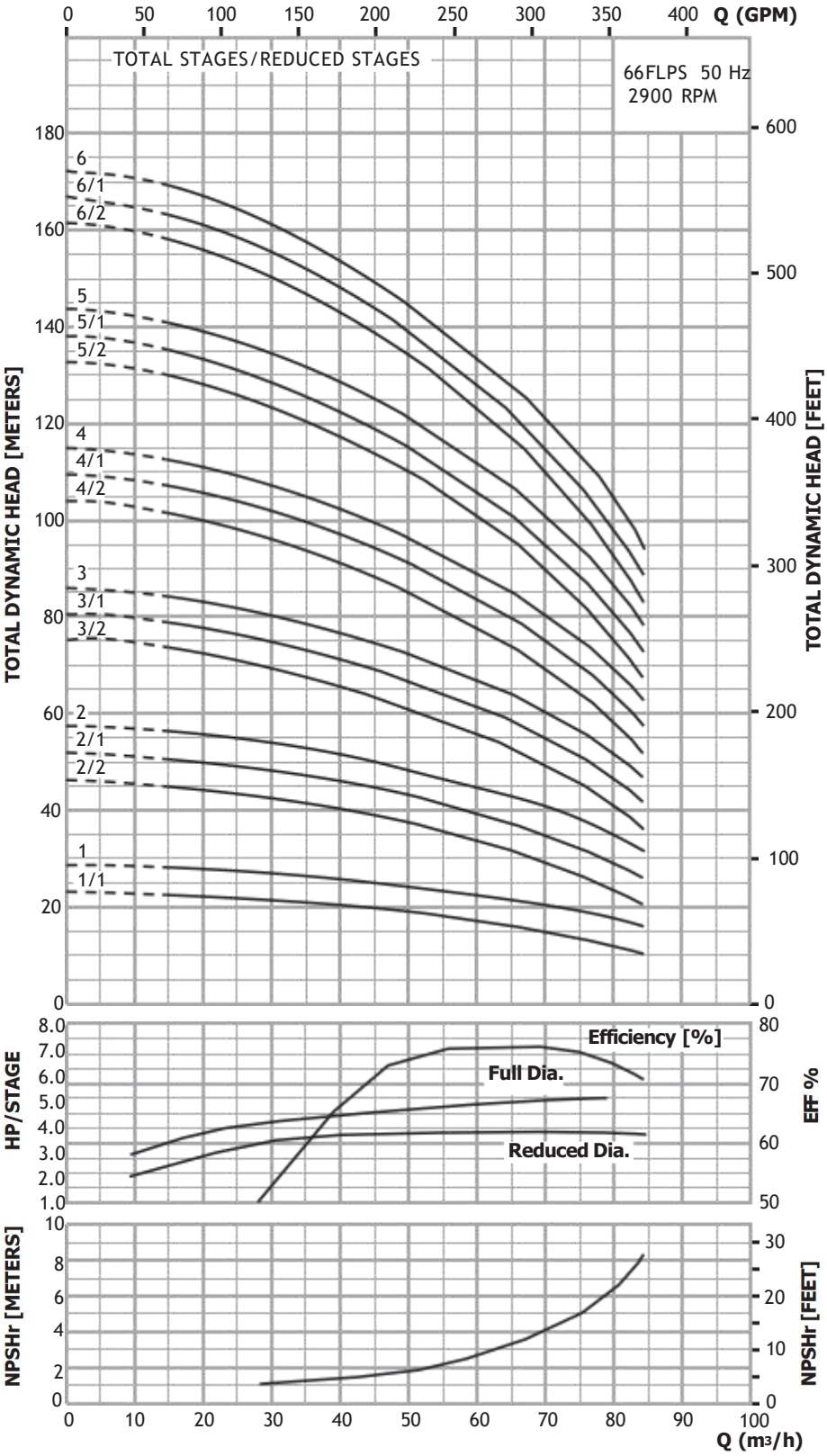
316SS
4" Class 300 R.F.

All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)											Weight (lbs.)								
		NEMA Frame					L2					D 1 (max.)						Motor					Pump/Motor			
	HP	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	L1	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	M (Ref.)	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	D2	Pump Only	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
66FLPS-1	7.5	213TC			215TC	23.19	15.60	15.50	15.60	15.50	8.06	10.19	10.25	10.19	10.25	5.51	185	130	151	130	151	315	336	315	336
66FLPS-2/2	10	-	-	215TC	254TC	26.75	-	-	15.60	16.56	9.25	-	-	10.19	10.31	5.51	196	-	-	128	280	-	-	324	476
66FLPS-2/1	15	-	-	254TC	256TC	26.75	-	-	15.60	16.56	9.25	-	-	10.19	10.31	5.51	196	-	-	220	280	-	-	416	476
66FLPS-2		-	-			26.75	-	-	15.60	16.56	9.25	-	-	10.19	10.31	5.51	196	-	-	220	280	-	-	416	476
66FLPS-3/2		-	-			31.81	-	-	15.60	16.56	9.25	-	-	10.19	10.31	5.51	223	-	-	220	280	-	-	443	503
66FLPS-3/1	20	-	-	256TC	284TC	31.81	-	-	18.00	23.38	13.12	-	-	11.63	15.31	5.51	223	-	-	240	420	-	-	463	643
66FLPS-3		-	-			31.81	-	-	18.00	23.38	13.12	-	-	11.63	15.31	5.51	223	-	-	240	420	-	-	463	643
66FLPS-4/2	25	-	-	284TC	326TSC	35.38	-	-	20.12	23.38	13.12	-	-	13.25	15.31	5.51	234	-	-	325	445	-	-	559	679
66FLPS-4/1		-	-			35.38	-	-	20.12	23.38	13.12	-	-	13.25	15.31	5.51	234	-	-	325	445	-	-	559	679
66FLPS-4		-	-			35.38	-	-	20.12	23.38	13.12	-	-	13.25	15.31	5.51	234	-	-	325	445	-	-	559	679

66FLPS-5/2	30	-	-	284TC	326TSC	39.44	-	-	20.12	23.38	13.12	-	-	13.25	15.31	5.51	244	-	-	328	448	-	-	572	692
66FLPS-5/1		-	-			39.44	-	-	20.12	23.38	13.12	-	-	13.25	15.31	5.51	244	-	-	328	448	-	-	572	692
66FLPS-5		-	-			39.44	-	-	20.12	23.38	13.12	-	-	13.25	15.31	5.51	244	-	-	328	448	-	-	572	692
66FLPS-6/2	40	-	-	324TSC	326TSC	41.94	-	-	22.50	23.38	13.12	-	-	13.25	15.31	5.51	266	-	-	382	592	-	-	648	858
66FLPS-6/1		-	-			41.94	-	-	22.50	23.38	13.12	-	-	13.25	15.31	5.51	266	-	-	382	592	-	-	648	858
66FLPS-6		-	-			41.94	-	-	22.50	23.38	13.12	-	-	13.25	15.31	5.51	266	-	-	382	592	-	-	648	858

Performance Curve **66FLPS 2900 RPM** **50 Hz**

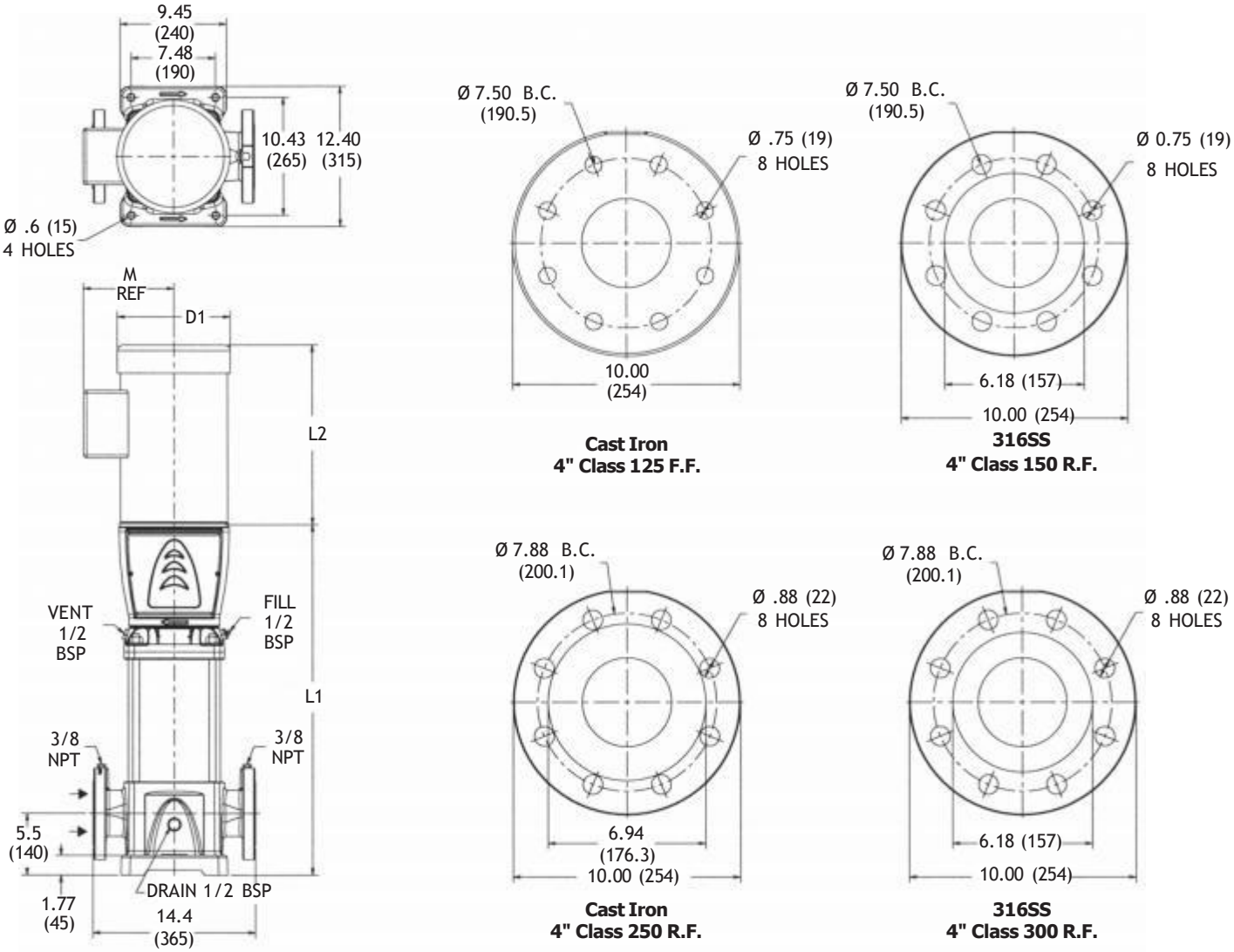


MINIMUM FLPSOW RATE: 70 GPM [16 m³/hr]

Dimensions and Weights

92FLPS Series 2900 RPM

50 Hz

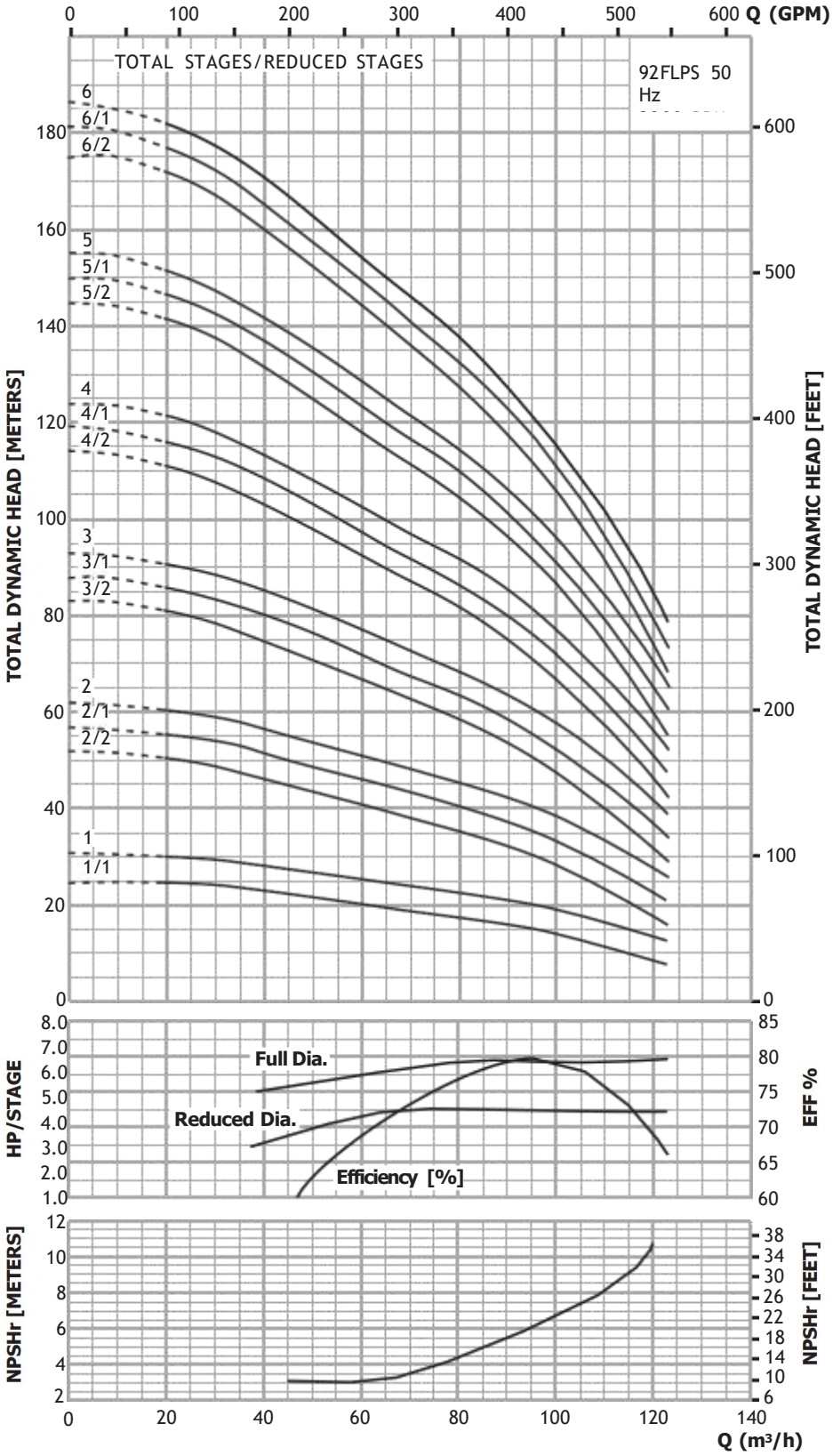


All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)											Weight (lbs.)								
		NEMA Frame					L2					D 1 (max.)						Motor					Pump/Motor			
	HP	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	L1	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	M (Ref.)	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	D2	Pump Only	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
92FLPS-1	10	-	-	215TC	254TC	23.19	-	-	15.60	16.56	9.25	-	-	10.19	10.31	5.51	185	-	-	128	250	-	-	313	435
92FLPS-2/2	15	-	-	254TC	256TC	28.31	-	-	15.60	16.56	9.25	-	-	10.19	10.31	5.51	196	-	-	220	280	-	-	416	476
92FLPS-2/1		-	-			28.31	-	-	15.60	16.56	9.25	-	-	10.19	10.31	5.51	196	-	-	220	280	-	-	416	476
92FLPS-2	20	-	-	256TC	284TC	28.31	-	-	18.00	23.38	13.12	-	-	11.63	15.31	5.51	196	-	-	240	420	-	-	436	616
92FLPS-3/2		-	-			31.18	-	-	18.00	23.38	13.12	-	-	11.63	15.31	5.51	223	-	-	240	420	-	-	463	643
92FLPS-3/1	25	-	-	284TC	284TC	31.18	-	-	20.12	23.38	13.12	-	-	13.25	15.31	5.51	223	-	-	325	445	-	-	548	668
92FLPS-3		-	-			31.28	-	-	20.12	23.38	13.12	-	-	13.25	15.31	5.51	223	-	-	325	445	-	-	548	668
92FLPS-4/2	30	-	-	284TC	284TC	34.88	-	-	20.12	23.38	13.12	-	-	13.25	15.31	5.51	234	-	-	328	448	-	-	562	682
92FLPS-4/1		-	-			34.88	-	-	20.12	23.38	13.12	-	-	13.25	15.31	5.51	234	-	-	328	448	-	-	562	682
92FLPS-4		-	-			34.88	-	-	22.50	23.38	13.12	-	-	13.25	15.31	5.51	234	-	-	382	592	-	-	616	826

92FLPS-5/2	40	-	-	324TSC	326TSC	38.44	-	-	22.50	23.38	13.12	-	-	13.25	15.31	5.51	252	-	-	382	592	-	-	634	844
92FLPS-5/1		-	-			38.44	-	-	22.50	23.38	13.12	-	-	13.25	15.31	5.51	252	-	-	382	592	-	-	634	844
92FLPS-5		-	-			38.44	-	-	22.50	23.38	13.12	-	-	13.25	15.31	5.51	252	-	-	382	592	-	-	634	844
92FLPS-6/2	50	-	-	324TSC	326TSC	41.94	-	-	22.50	27.22	13.12	-	-	13.25	19.00	5.51	266	-	-	500	762	-	-	766	1028
92FLPS-6/1		-	-			41.94	-	-	22.50	27.22	13.12	-	-	13.25	19.00	5.51	266	-	-	500	762	-	-	766	1028
92FLPS-6		-	-			41.94	-	-	22.50	27.22	13.12	-	-	13.25	19.00	5.51	266	-	-	500	762	-	-	766	1028

Performance Curve **92FLPS 2900 RPM** **50 Hz**

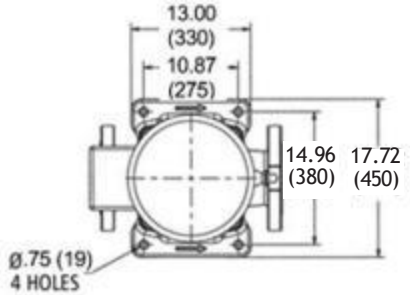


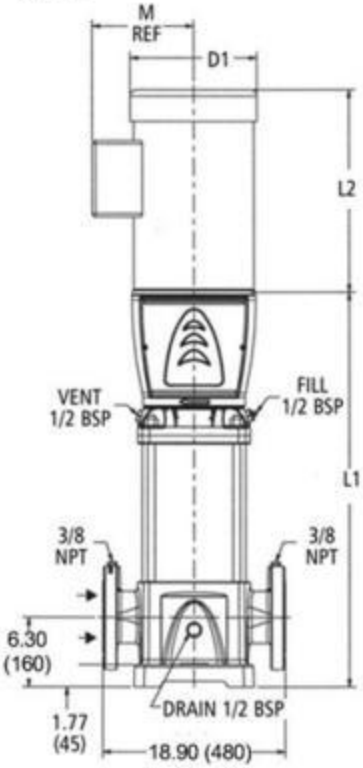
MINIMUM FLPSOW RATE: 100 GPM [23 m³/hr]

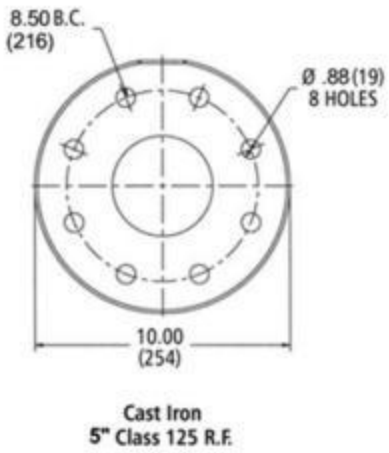
Dimensions and Weights

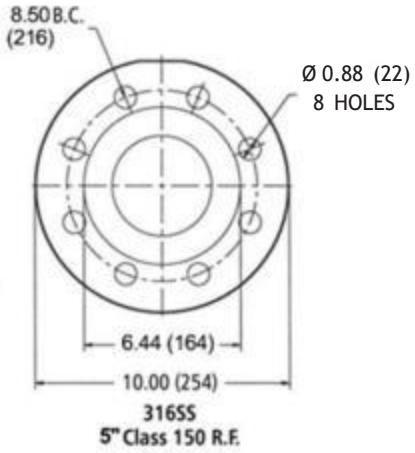
125FLPS Series 2900 RPM

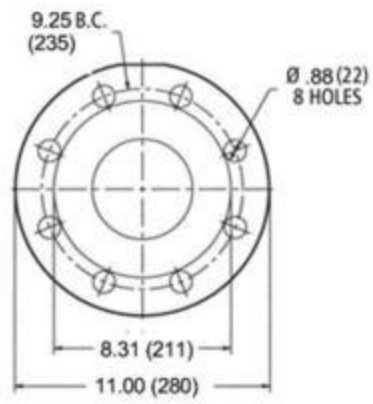
50 Hz

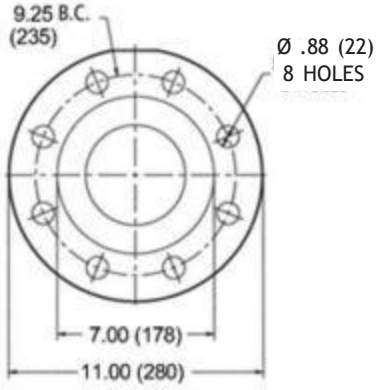








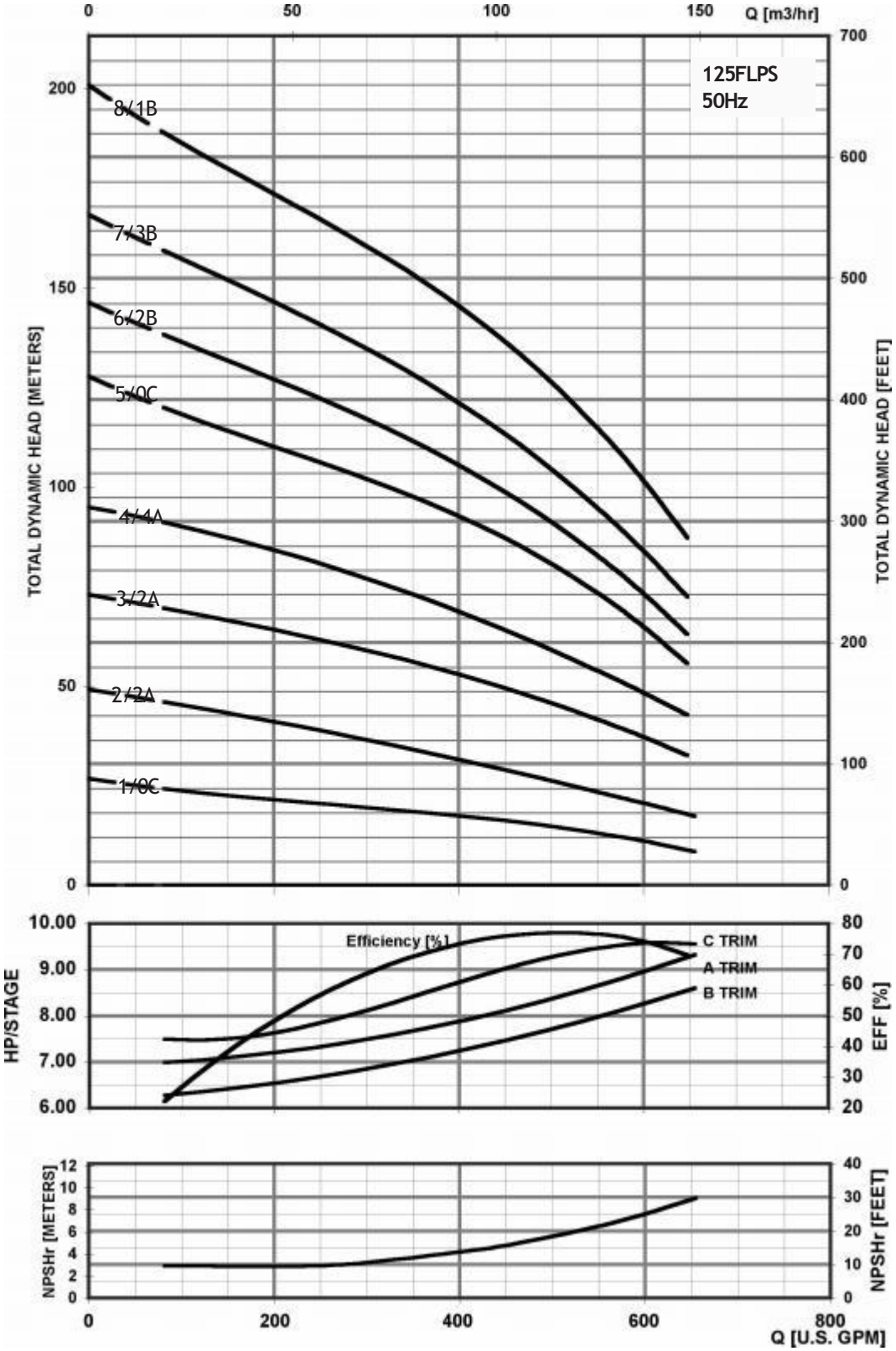




All dimensions are in inches (mm).

Pump Type	Motor					Dimensions (in)																Weight (lbs.)								
		NEMA Frame					L2									D 1 (max.)							Motor				Pump/Motor			
	HP	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	L1	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	L3	L4	L5	L6	M (Ref.)	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	D2	Pump	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
125FLPS-1/0C	10	-	-	215TC	254TC	27.30	-	-	15.55	16.57	-	-	-	-	9.22	-	-	10.18	10.28	4.72	256	-	-	125	195	-	-	381	451
125FLPS-2/2A	20	-	-	254TC	284TC	34.60	-	-	21.44	19.54	-	-	-	-	12.94	-	-	11.63	12.94	5.51	289	-	-	185	283	-	-	474	572
125FLPS-3/2A	25	-	-	284TC	286TC	40.50	-	-	21.75	19.54	-	-	-	-	12.21	-	-	13.25	12.94	5.51	315	-	-	296	382	-	-	611	697
125FLPS-4/4A	30	-	-	286TC	286TC	46.40	-	-	21.75	23.18	-	-	-	-	13.11	-	-	13.25	15.56	5.51	355	-	-	315	446	-	-	670	801
125FLPS-5/0C	40	-	-	324TSC	326TSC	52.30	-	-	22.75	23.19	-	-	-	-	12.21	-	-	13.03	15.69	5.51	379	-	-	320	450	-	-	699	829
125FLPS-6/2B	50	-	-	324TSC	326TSC	58.20	-	-	22.75	30.69	-	-	-	-	14.95	-	-	13.03	19.25	5.51	412	-	-	372	689	-	-	784	1101
125FLPS-7/3B		-	-			65.30	-	-	22.75	30.69	-	-	-	-	14.95	-	-	13.03	19.25	5.51	476	-	-	372	689	-	-	848	1165
125FLPS8/1B	60	-	-	364TSC	365TSC	71.10	-	-	24.38	30.69	-	-	-	-	14.95	-	-	15.13	19.25	5.51	494	-	-	447	747	-	-	941	1241

Performance Curve **125FLPS 2900 RPM** **50 Hz**

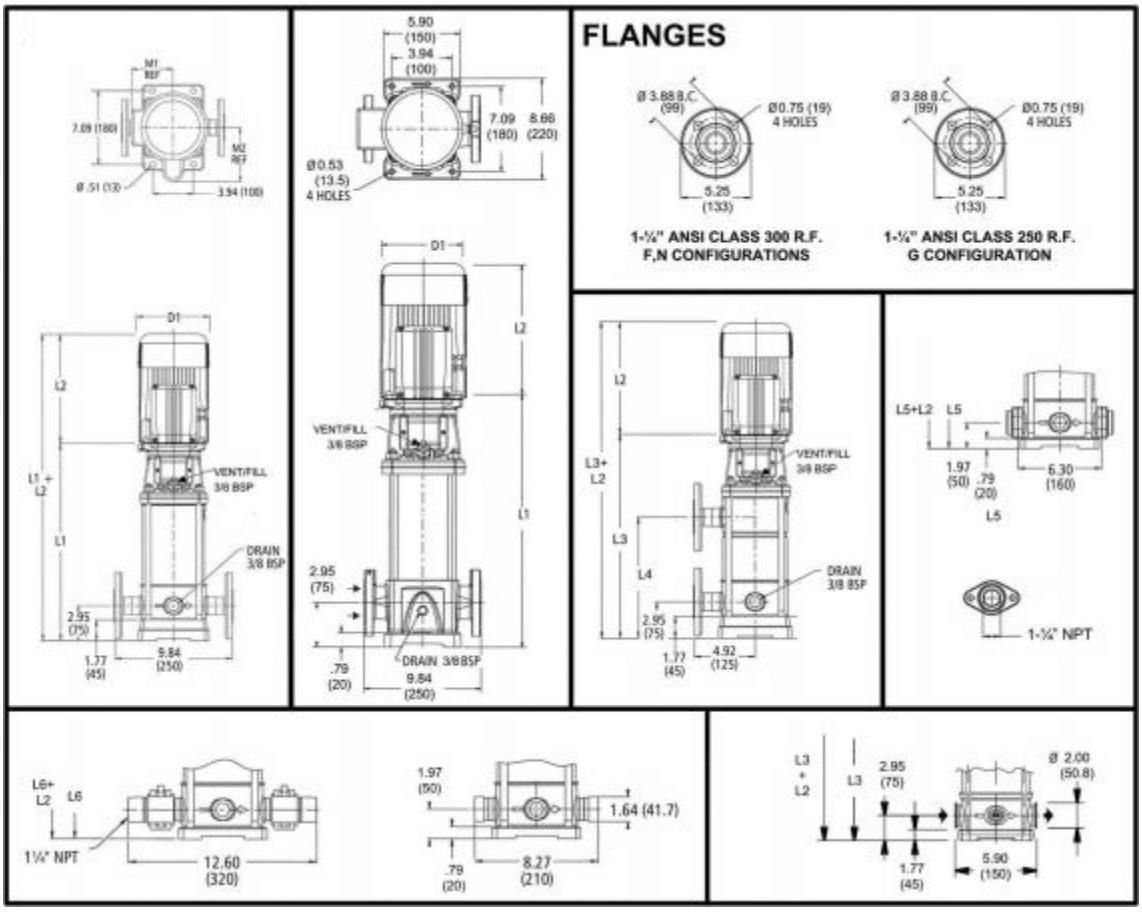


MINIMUM FLPSOW RATE: 19 m³/hr [82 GPM]

Dimensions and Weights

1FLPS Series 1450 RPM

50 Hz

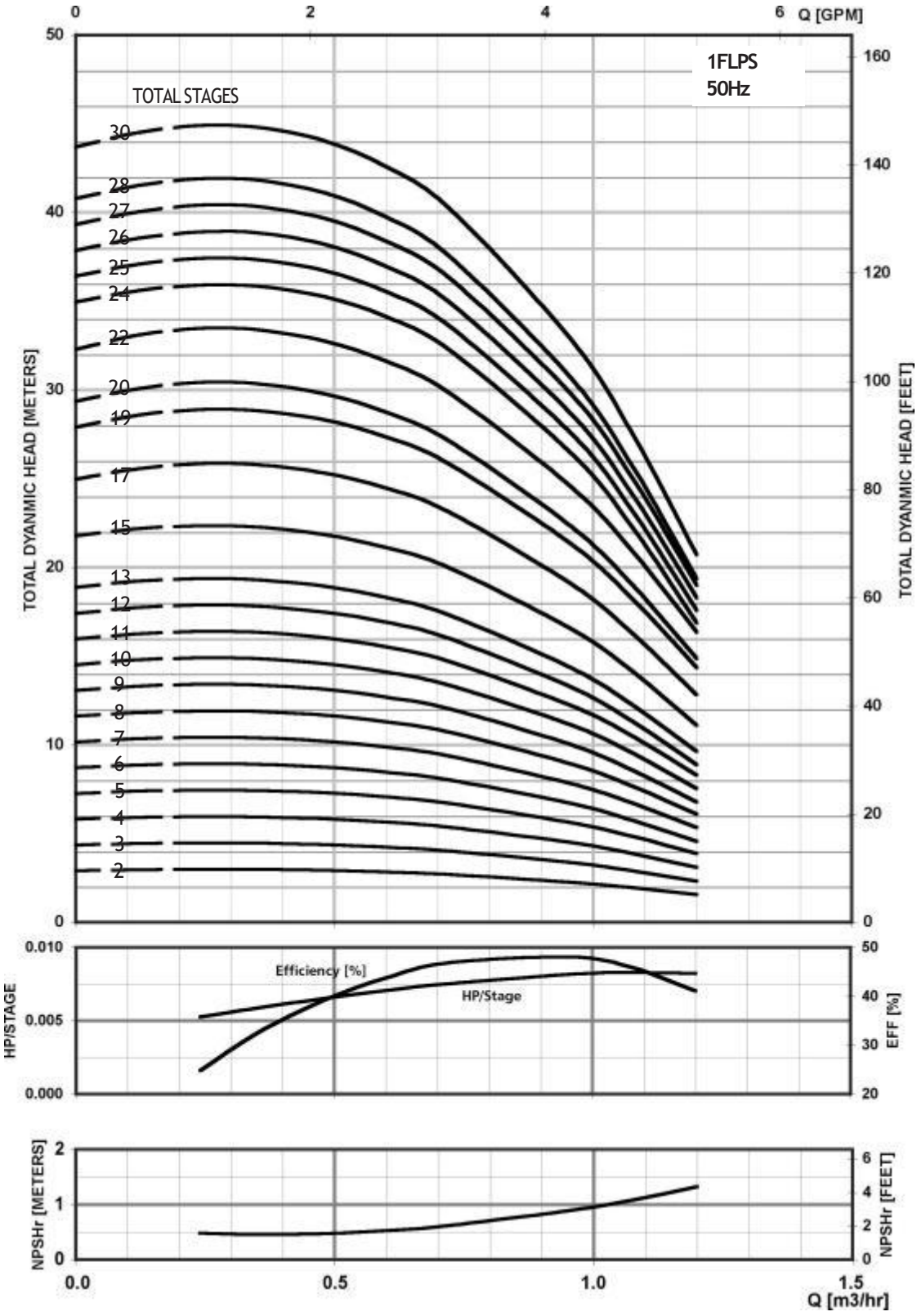


All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)																Weight (lbs.)								
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D 1 (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
1FLPS-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
1FLPS-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
1FLPS-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
1FLPS-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
1FLPS-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
1FLPS-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
1FLPS-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
1FLPS-09						18.00	10.79	9.91	9.16	9.29	18.00	9.72	17.01	17.01	5.19	6.19	6.19	6.19	6.19	4.13	31	27	29	21	21	58	60	52	52
1FLPS-10						18.78	10.79	9.91	9.16	9.29	18.78	10.51	17.80	17.80	5.19	6.19	6.19	6.19	6.19	4.13	32	27	29	21	21	59	61	53	53
1FLPS-11						19.57	10.79	9.91	9.16	9.29	19.57	11.30	18.59	18.59	5.19	6.19	6.19	6.19	6.19	4.13	33	27	29	21	21	60	62	54	54
1FLPS-12						20.36	10.79	9.91	9.16	9.29	20.36	12.09	19.37	19.37	5.19	6.19	6.19	6.19	6.19	4.13	34	27	29	21	21	61	63	55	55
1FLPS-13						21.14	10.79	9.91	9.16	9.29	21.14	12.87	20.16	20.16	5.19	6.19	6.19	6.19	6.19	4.13	35	27	29	21	21	62	64	56	56
1FLPS-14						21.93	10.79	9.91	9.16	9.29	21.93	13.66	20.95	20.95	5.19	6.19	6.19	6.19	6.19	4.13	36	27	29	21	21	63	65	57	57
1FLPS-15						22.72	10.79	9.91	9.16	9.29	22.72	14.45	21.74	21.74	5.19	6.19	6.19	6.19	6.19	4.13	37	27	29	21	21	64	66	58	58
1FLPS-16						23.51	10.79	9.91	9.16	9.29	23.51	15.24	22.52	22.52	5.19	6.19	6.19	6.19	6.19	4.13	38	27	29	21	21	65	67	59	59
1FLPS-17						24.29	10.79	9.91	9.16	9.29	24.29	16.02	23.31	23.31	5.19	6.19	6.19	6.19	6.19	4.13	38	27	29	21	21	65	67	59	59
1FLPS-						25.08	10.79	9.91	9.16	9.29	25.08	16.81	24.10	24.10	5.19	6.19	6.19	6.19	6.19	4.13	39	27	29	21	21	66	68	60	60

18																										
1FLPS-19			25.87	10.79	9.91	9.16	9.29	25.87	17.60	24.89	24.89	5.19	6.19	6.19	6.19	6.19	4.13	40	27	29	21	21	67	69	61	61
1FLPS-20			26.66	10.79	9.91	9.16	9.29	26.66	18.39	25.67	25.67	5.19	6.19	6.19	6.19	6.19	4.13	41	27	29	21	21	68	70	62	62
1FLPS-21			27.44	10.79	9.91	9.16	9.29	27.44	19.17	26.46	26.46	5.19	6.19	6.19	6.19	6.19	4.13	42	27	29	21	21	69	71	63	63
1FLPS-22			28.23	10.79	9.91	9.16	9.29	28.23	19.96	27.25	27.25	5.19	6.19	6.19	6.19	6.19	4.13	43	27	29	21	21	70	72	64	64
1FLPS-23			29.02	10.79	9.91	9.16	9.29	29.02	20.75	28.03	28.03	5.19	6.19	6.19	6.19	6.19	4.13	45	27	29	21	21	72	74	66	66
1FLPS-24			29.81	10.79	9.91	9.16	9.29	29.81	21.54	28.82	28.82	5.19	6.19	6.19	6.19	6.19	4.13	46	27	29	21	21	73	75	67	67
1FLPS-25			30.59	10.79	9.91	9.16	9.29	30.59	22.32	29.61	29.61	5.19	6.19	6.19	6.19	6.19	4.13	47	27	29	21	21	74	76	68	68
1FLPS-26			31.38	10.79	9.91	9.16	9.29	31.38	23.11	30.40	30.40	5.19	6.19	6.19	6.19	6.19	4.13	47	27	29	21	21	74	76	68	68
1FLPS-27			32.17	10.79	9.91	9.16	9.29	32.17	23.90	31.18	31.18	5.19	6.19	6.19	6.19	6.19	4.13	48	27	29	21	21	75	77	69	69
1FLPS-28			32.96	10.79	9.91	9.16	9.29	32.96	24.68	31.97	31.97	5.19	6.19	6.19	6.19	6.19	4.13	49	27	29	21	21	76	78	70	70
1FLPS-29			34.14	10.79	9.91	9.16	9.29	34.14	25.47	33.15	33.15	5.19	6.19	6.19	6.19	6.19	4.13	50	27	29	21	21	77	79	71	71
1FLPS-30			34.53	10.79	9.91	9.16	9.29	34.53	26.26	33.55	33.55	5.19	6.19	6.19	6.19	6.19	4.13	51	27	29	21	21	78	80	72	72

Performance Curve **1FLPS 1450 RPM** **50 Hz**

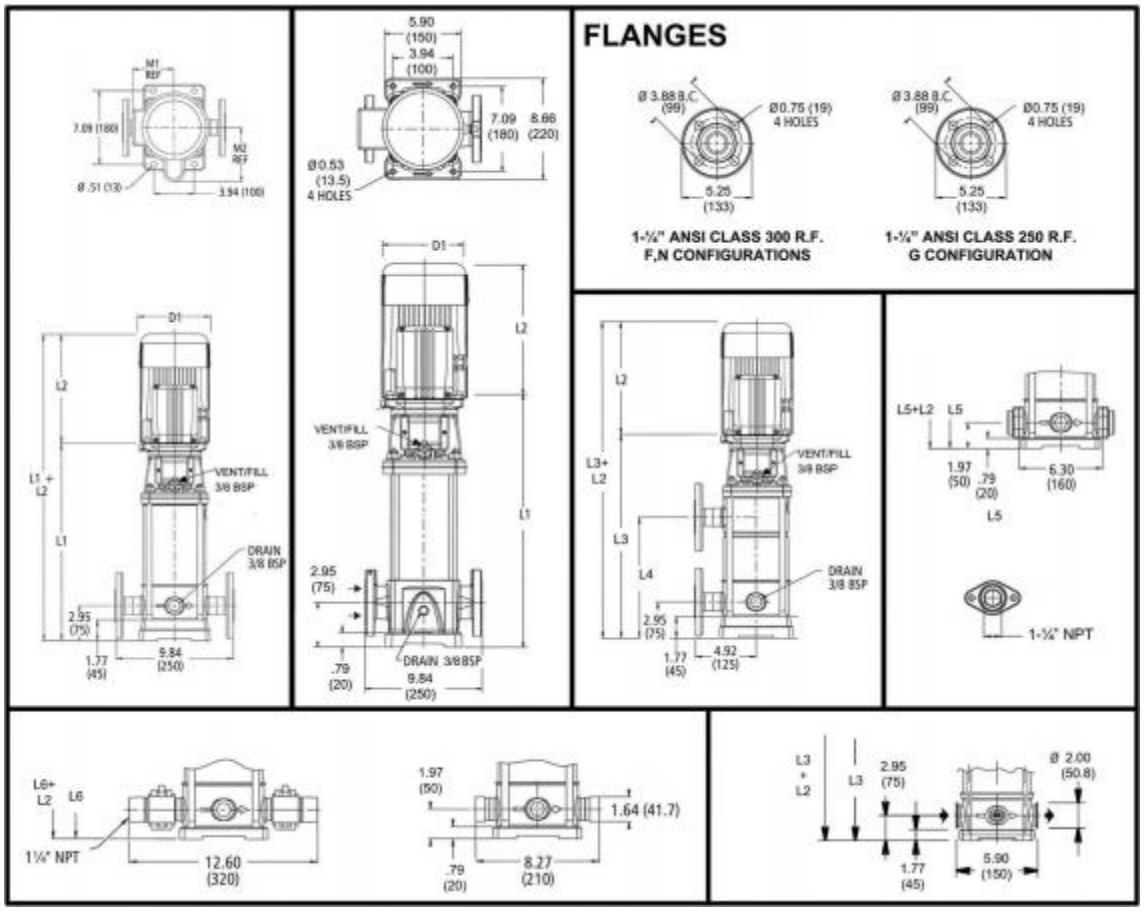


MINIMUM FLPSOW RATE: .2 m³/hr [1 GPM]

Dimensions and Weights

3FLPS Series 1450 RPM

50 Hz

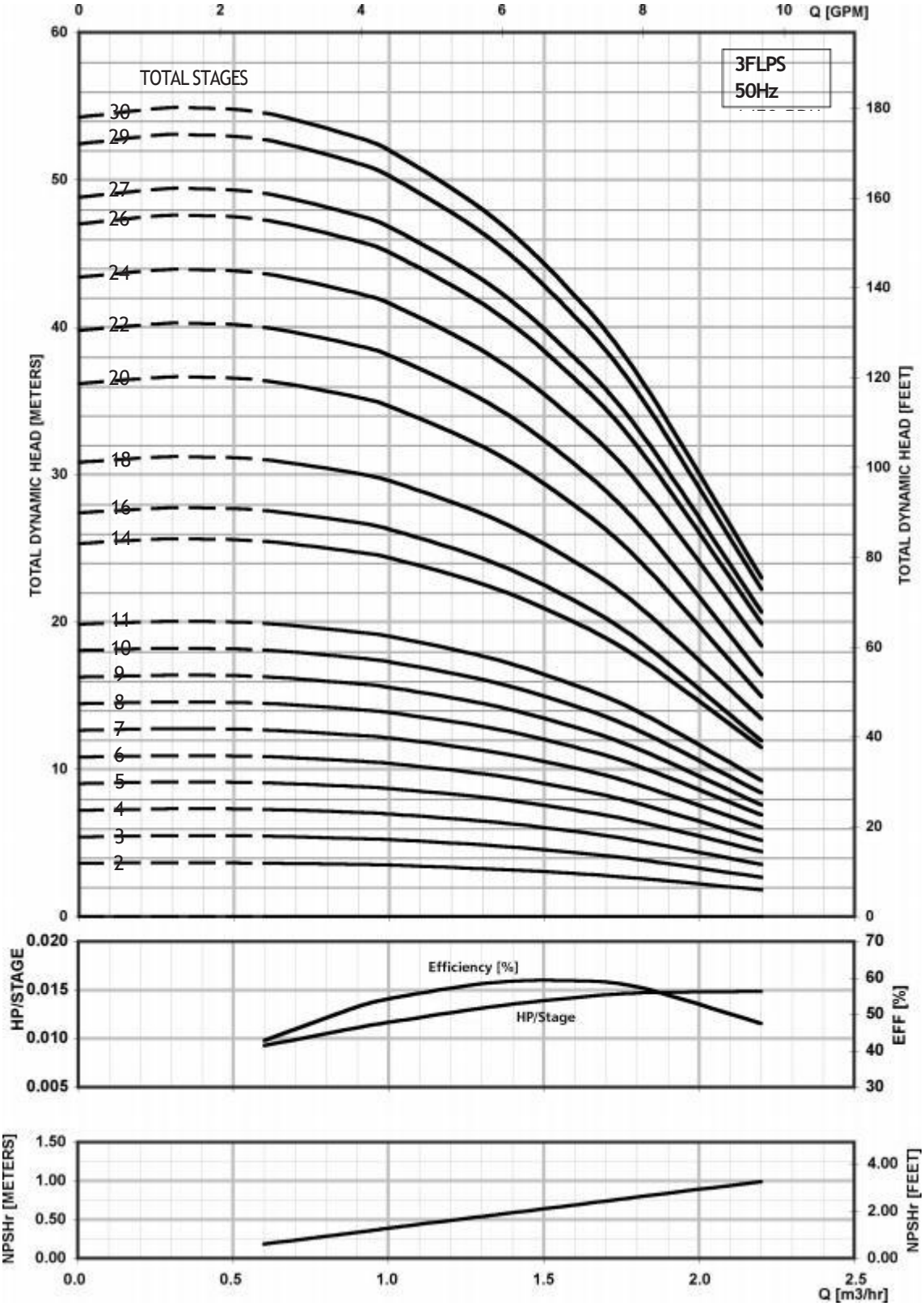


All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)																Weight (lbs.)								
		NEMA Frame					L2								D 1 (max.)							Motor				Pump/Motor				
	HP	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	L1	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	L3	L4	L5	L6	M (Ref.)	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	D2	Pump	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
3FLPS-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	24	27	29	21	21	51	53	45	45
3FLPS-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	25	27	29	21	21	52	54	46	46
3FLPS-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	26	27	29	21	21	53	55	47	47
3FLPS-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	27	27	29	21	21	54	56	48	48
3FLPS-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
3FLPS-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	30	27	29	21	21	57	59	51	51
3FLPS-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	31	27	29	21	21	58	60	52	52
3FLPS-09						18.00	10.79	9.91	9.16	9.29	18.00	9.72	17.01	17.01	5.19	6.19	6.19	6.19	6.19	4.13	32	27	29	21	21	59	61	53	53
3FLPS-10						18.78	10.79	9.91	9.16	9.29	18.78	10.51	17.80	17.80	5.19	6.19	6.19	6.19	6.19	4.13	33	27	29	21	21	60	62	54	54
3FLPS-11						19.57	10.79	9.91	9.16	9.29	19.57	11.30	18.59	18.59	5.19	6.19	6.19	6.19	6.19	4.13	34	27	29	21	21	61	63	55	55
3FLPS-12						20.36	10.79	9.91	9.16	9.29	20.36	12.09	19.37	19.37	5.19	6.19	6.19	6.19	6.19	4.13	35	27	29	21	21	62	64	56	56
3FLPS-13						21.14	10.79	9.91	9.16	9.29	21.14	12.87	20.16	20.16	5.19	6.19	6.19	6.19	6.19	4.13	36	27	29	21	21	63	65	57	57
3FLPS-14						21.93	10.79	9.91	9.16	9.29	21.93	13.66	20.95	20.95	5.19	6.19	6.19	6.19	6.19	4.13	37	27	29	21	21	64	66	58	58
3FLPS-15						22.72	10.79	9.91	9.16	9.29	22.72	14.45	21.74	21.74	5.19	6.19	6.19	6.19	6.19	4.13	38	27	29	21	21	65	67	59	59
3FLPS-16						23.51	10.79	9.91	9.16	9.29	23.51	15.24	22.52	22.52	5.19	6.19	6.19	6.19	6.19	4.13	39	27	29	21	21	66	68	60	60
3FLPS-17						24.29	10.79	9.91	9.16	9.29	24.29	16.02	23.31	23.31	5.19	6.19	6.19	6.19	6.19	4.13	40	27	29	21	21	67	69	61	61

3FLPS-18			25.08	10.79	9.91	9.16	9.29	25.08	16.81	24.10	24.10	5.19	6.19	6.19	6.19	6.19	4.13	41	27	29	21	21	68	70	62	62
3FLPS-19			25.87	10.79	9.91	9.16	9.29	25.87	17.60	24.89	24.89	5.19	6.19	6.19	6.19	6.19	4.13	41	27	29	21	21	68	70	62	62
3FLPS-20			26.66	10.79	9.91	9.16	9.29	26.66	18.39	25.67	25.67	5.19	6.19	6.19	6.19	6.19	4.13	42	27	29	21	21	69	71	63	63
3FLPS-21			27.44	10.79	9.91	9.16	9.29	27.44	19.17	26.46	26.46	5.19	6.19	6.19	6.19	6.19	4.13	43	27	29	21	21	70	72	64	64
3FLPS-22			28.23	10.79	9.91	9.16	9.29	28.23	19.96	27.25	27.25	5.19	6.19	6.19	6.19	6.19	4.13	44	27	29	21	21	71	73	65	65
3FLPS-23			29.02	10.79	9.91	9.16	9.29	29.02	20.75	28.03	28.03	5.19	6.19	6.19	6.19	6.19	4.13	45	27	29	21	21	72	74	66	66
3FLPS-24			29.81	10.79	9.91	9.16	9.29	29.81	21.54	28.82	28.82	5.19	6.19	6.19	6.19	6.19	4.13	46	27	29	21	21	73	75	67	67
3FLPS-25			30.59	10.79	9.91	9.16	9.29	30.59	22.32	29.61	29.61	5.19	6.19	6.19	6.19	6.19	4.13	47	27	29	21	21	74	76	68	68
3FLPS-26			31.38	10.79	9.91	9.16	9.29	31.38	23.11	30.40	30.40	5.19	6.19	6.19	6.19	6.19	4.13	48	27	29	21	21	75	77	69	69
3FLPS-27			31.77	10.79	9.91	9.16	9.29	31.77	23.90	30.79	30.79	5.19	6.19	6.19	6.19	6.19	4.13	50	27	29	21	21	77	79	71	71
3FLPS-28			32.56	10.79	9.91	9.16	9.29	32.56	24.68	31.58	31.58	5.19	6.19	6.19	6.19	6.19	4.13	51	27	29	21	21	78	80	72	72
3FLPS-29			33.74	10.79	9.91	9.16	9.29	33.74	25.47	32.76	32.76	5.19	6.19	6.19	6.19	6.19	4.13	52	27	29	21	21	79	81	73	73
3FLPS-30			34.53	10.79	9.91	9.16	9.29	34.53	26.26	33.55	33.55	5.19	6.19	6.19	6.19	6.19	4.13	53	27	29	21	21	80	82	74	74

Performance Curve **3FLPS 1450 RPM** **50 Hz**

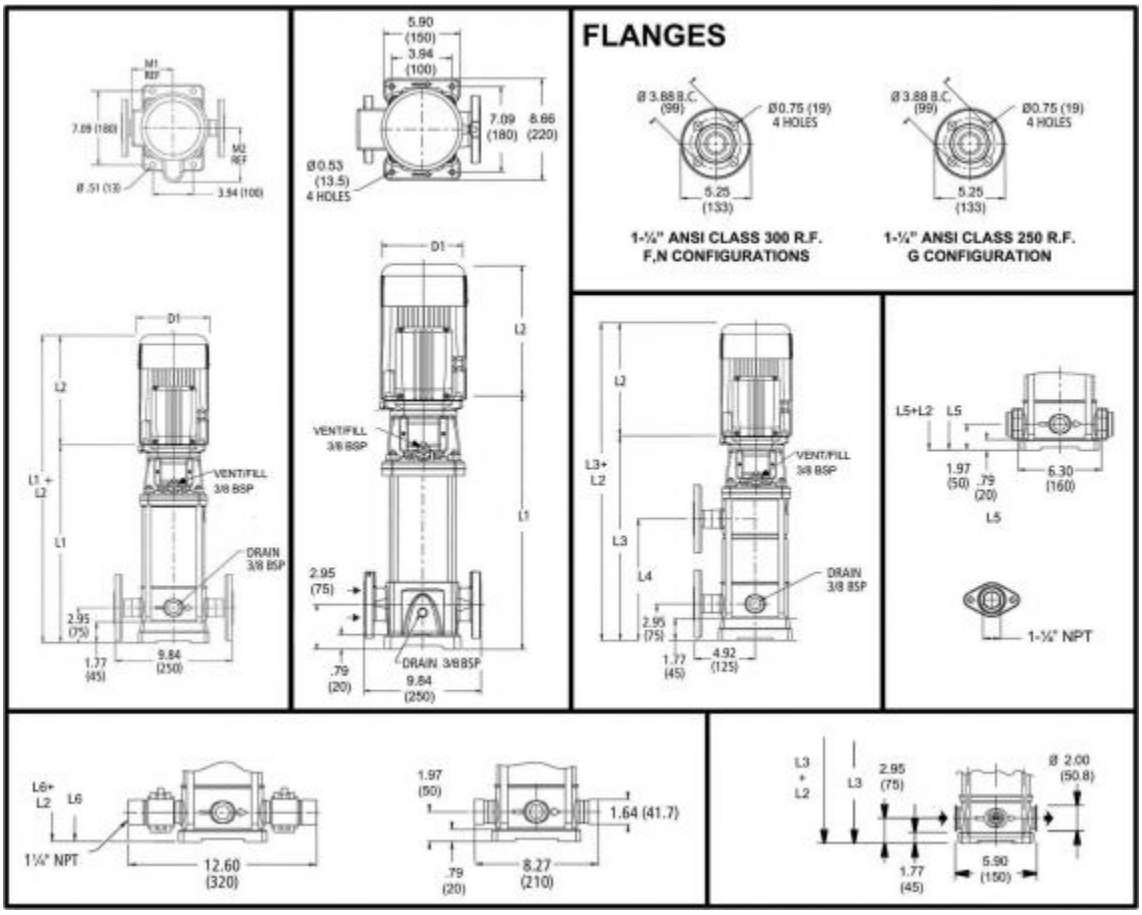


MINIMUM FLPSOW RATE: 1 GPM [.24 m³/hr]

Dimensions and Weights

5FLPS Series 1450 RPM

50 Hz

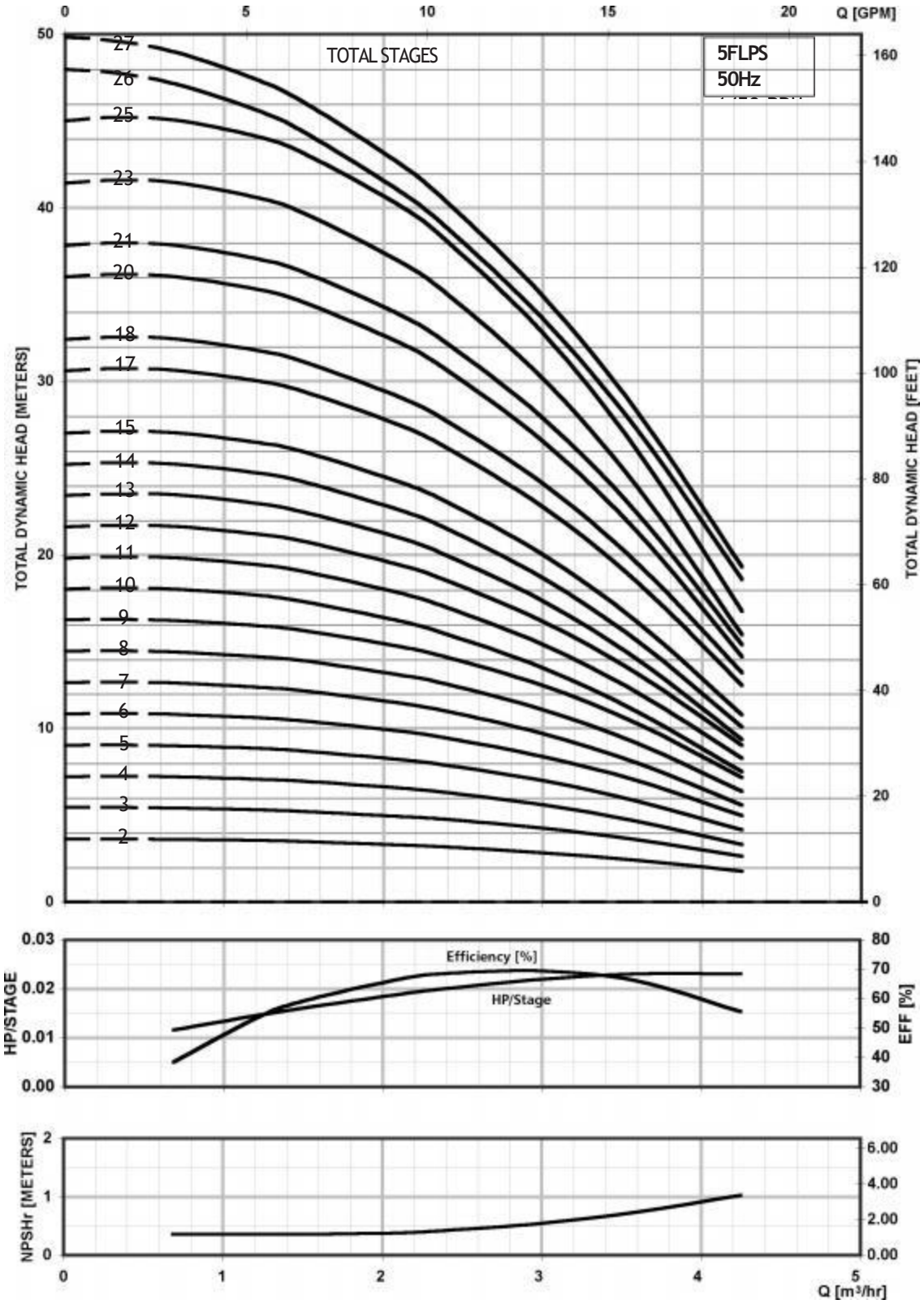


All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)																Weight (lbs.)								
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D 1 (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
5FLPS-02	0.5	56C			24.69	13.86	10.79	9.91	9.16	9.29	-	-	12.88	12.88	5.19	6.19	6.19	6.19	6.19	4.13	25	27	29	21	21	52	54	46	46
5FLPS-03						13.86	10.79	9.91	9.16	9.29	-	-	12.88	12.88	5.19	6.19	6.19	6.19	6.19	4.13	26	27	29	21	21	53	55	47	47
5FLPS-04						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
5FLPS-05						15.83	10.79	9.91	9.16	9.29	-	-	14.85	14.85	5.19	6.19	6.19	6.19	6.19	4.13	29	27	29	21	21	56	58	50	50
5FLPS-06						16.81	10.79	9.91	9.16	9.29	-	-	15.83	15.83	5.19	6.19	6.19	6.19	6.19	4.13	30	27	29	21	21	57	59	51	51
5FLPS-07						17.80	10.79	9.91	9.16	9.29	17.80	9.53	16.81	16.81	5.19	6.19	6.19	6.19	6.19	4.13	31	27	29	21	21	58	60	52	52
5FLPS-08						18.78	10.79	9.91	9.16	9.29	18.78	10.51	17.80	17.80	5.19	6.19	6.19	6.19	6.19	4.13	33	27	29	21	21	60	62	54	54
5FLPS-09						19.77	10.79	9.91	9.16	9.29	19.77	11.50	18.78	18.78	5.19	6.19	6.19	6.19	6.19	4.13	33	27	29	21	21	60	62	54	54
5FLPS-10						20.75	10.79	9.91	9.16	9.29	20.75	12.48	19.77	19.77	5.19	6.19	6.19	6.19	6.19	4.13	34	27	29	21	21	61	63	55	55
5FLPS-11						21.74	10.79	9.91	9.16	9.29	21.74	13.46	20.75	20.75	5.19	6.19	6.19	6.19	6.19	4.13	35	27	29	21	21	62	64	56	56
5FLPS-12						22.72	10.79	9.91	9.16	9.29	22.72	14.45	21.74	21.74	5.19	6.19	6.19	6.19	6.19	4.13	36	27	29	21	21	63	65	57	57
5FLPS-13						23.70	10.79	9.91	9.16	9.29	23.70	15.43	22.72	22.72	5.19	6.19	6.19	6.19	6.19	4.13	38	27	29	21	21	65	67	59	59
5FLPS-14						10.79	9.91	9.16	9.29	24.69	16.42	23.70	23.70	5.19	6.19	6.19	6.19	6.19	4.13	38	27	29	21	21	65	67	59	59	5FLPS-15			
5FLPS-16						25.67	10.79	9.91	9.16	9.29	25.67	17.40	24.69	24.69	5.19	6.19	6.19	6.19	6.19	4.13	39	27	29	21	21	66	68	60	60
5FLPS-						26.66	10.79	9.91	9.16	9.29	26.66	18.39	25.67	25.67	5.19	6.19	6.19	6.19	6.19	4.13	41	27	29	21	21	68	70	62	62
						27.84	10.79	9.91	9.16	9.29	27.84	19.37	26.85	26.85	5.19	6.19	6.19	6.19	6.19	4.13	43	27	29	21	21	70	72	64	64

17																										
5FLPS-18			28.63	10.79	9.91	9.16	9.29	28.63	20.35	27.64	27.64	5.19	6.19	6.19	6.19	6.19	4.13	44	27	29	21	21	71	73	65	65
5FLPS-19			29.81	10.79	9.91	9.16	9.29	29.81	21.34	28.82	28.82	5.19	6.19	6.19	6.19	6.19	4.13	45	27	29	21	21	72	74	66	66
5FLPS-20			30.99	10.79	9.91	9.16	9.29	30.99	22.32	30.00	30.00	5.19	6.19	6.19	6.19	6.19	4.13	46	27	29	21	21	73	75	67	67
5FLPS-21			31.58	10.79	9.91	9.16	9.29	31.58	23.31	30.59	30.59	5.19	6.19	6.19	6.19	6.19	4.13	47	27	29	21	21	74	76	68	68
5FLPS-22			32.64	10.79	9.91	9.16	9.29	32.64	24.29	31.66	31.66	5.19	6.19	6.19	6.19	6.19	4.13	48	27	29	21	21	75	77	69	69
5FLPS-23			33.55	10.79	9.91	9.16	9.29	33.55	25.28	32.56	32.56	5.19	6.19	6.19	6.19	6.19	4.13	49	27	29	21	21	76	78	70	70
5FLPS-24			34.61	10.79	9.91	9.16	9.29	34.61	26.26	33.63	33.63	5.19	6.19	6.19	6.19	6.19	4.13	51	27	29	21	21	78	80	72	72
5FLPS-25			35.51	10.79	9.91	9.16	9.29	35.51	27.24	34.53	34.53	5.19	6.19	6.19	6.19	6.19	4.13	51	27	29	21	21	78	80	72	72
5FLPS-26			36.58	10.79	9.91	9.16	9.29	36.58	28.23	35.59	35.59	5.19	6.19	6.19	6.19	6.19	4.13	52	27	29	21	21	79	81	73	73
5FLPS-27			37.56	10.79	9.91	9.16	9.29	37.56	29.21	36.58	36.58	5.19	6.19	6.19	6.19	6.19	4.13	53	27	29	21	21	80	82	74	74

Performance Curve **5FLPS 1450 RPM** **50 Hz**

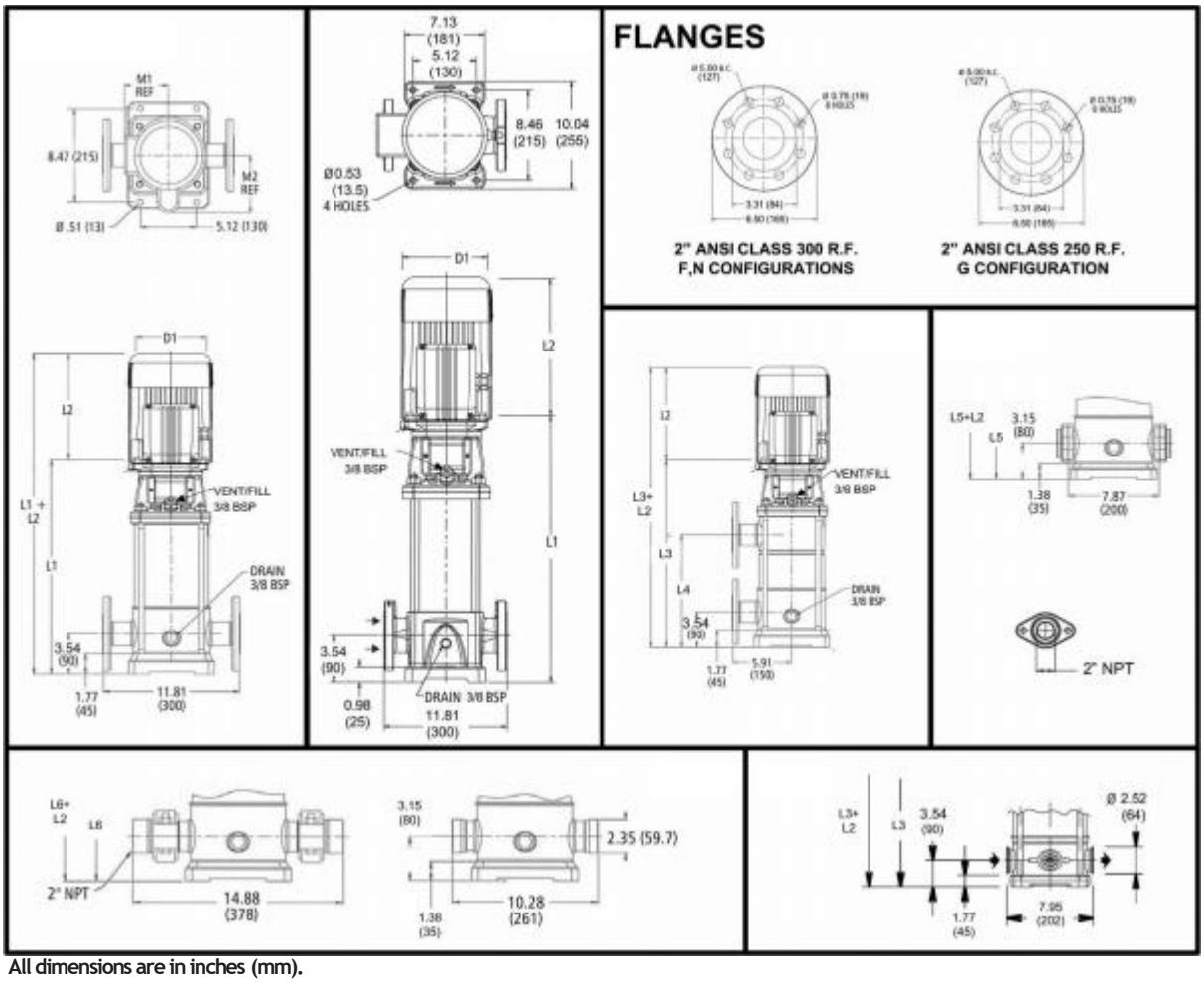


MINIMUM FLPSOW RATE: .7 m³/hr [3 GPM]

Dimensions and Weights

10FLPS Series 1450 RPM

50 Hz

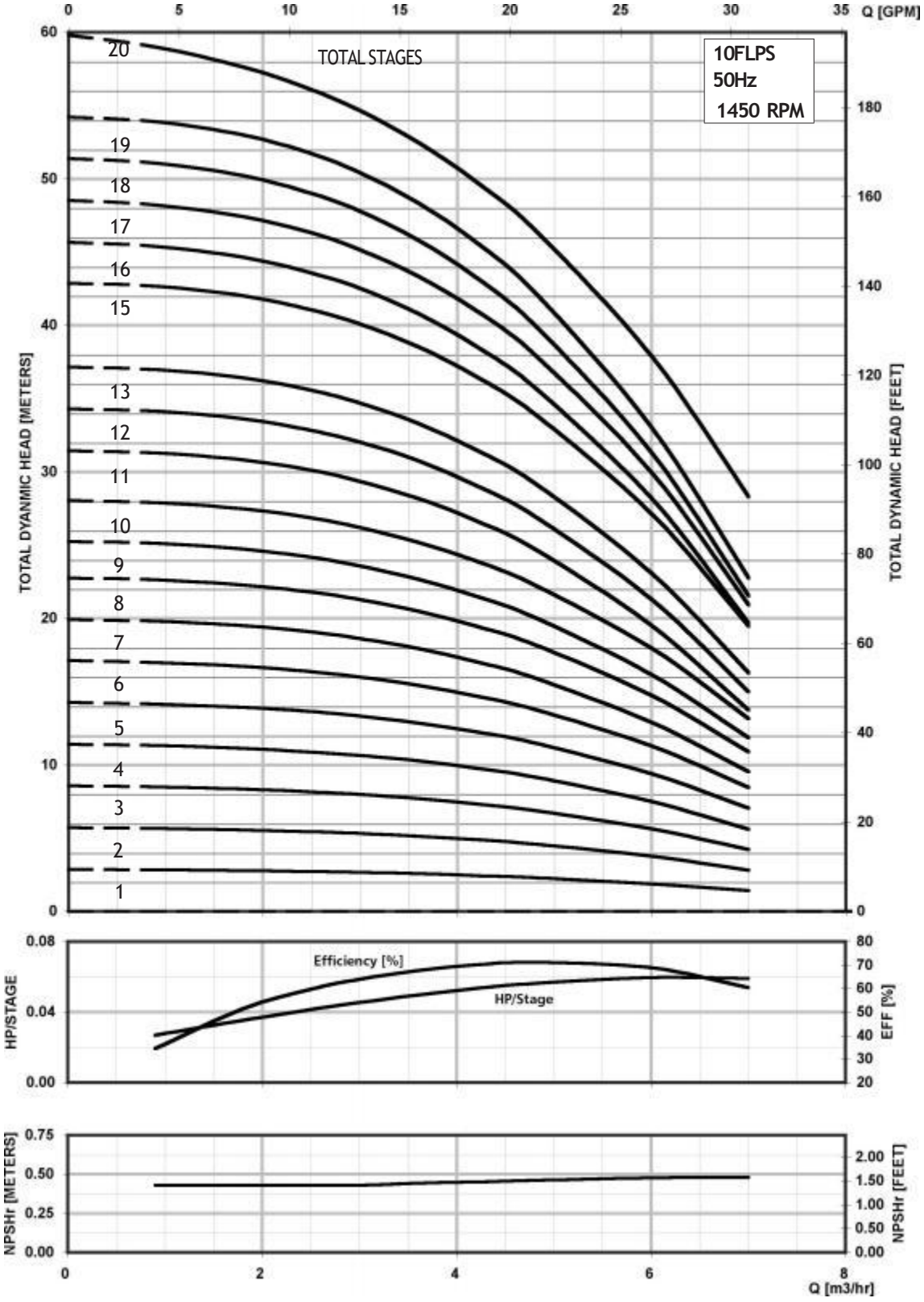


All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)																Weight (lbs.)								
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D 1 (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
10FLPS 01	0.5	56C				16.56	10.79	9.91	9.16	9.29	-	-	16.17	16.17	5.19	6.19	6.19	6.19	6.19	4.13	36	27	29	21	21	63	65	57	57
10FLPS 02						16.56	10.79	9.91	9.16	9.29	-	-	16.17	16.17	5.19	6.19	6.19	6.19	6.19	4.13	38	27	29	21	21	65	67	59	59
10FLPS 03						17.82	10.79	9.91	9.16	9.29	-	-	17.43	17.43	5.19	6.19	6.19	6.19	6.19	4.13	40	27	29	21	21	67	69	61	61
10FLPS 04						19.08	10.79	9.91	9.16	9.29	-	-	18.69	18.69	5.19	6.19	6.19	6.19	6.19	4.13	43	27	29	21	21	70	72	64	64
10FLPS 05						20.34	10.79	9.91	9.16	9.29	20.34	10.20	19.95	19.95	5.19	6.19	6.19	6.19	6.19	4.13	45	27	29	21	21	72	74	66	66
10FLPS 06						21.60	10.79	9.91	9.16	9.29	21.60	11.46	21.21	21.21	5.19	6.19	6.19	6.19	6.19	4.13	47	27	29	21	21	74	76	68	68
10FLPS 07						22.86	10.79	9.91	9.16	9.29	22.86	12.72	22.47	22.47	5.19	6.19	6.19	6.19	6.19	4.13	49	27	29	21	21	76	78	70	70
10FLPS 08						24.12	10.79	9.91	9.16	9.29	24.12	13.98	23.72	23.72	5.19	6.19	6.19	6.19	6.19	4.13	51	27	29	21	21	78	80	72	72
10FLPS 09						25.38	10.79	9.91	9.16	9.29	25.38	15.24	24.98	24.98	5.19	6.19	6.19	6.19	6.19	4.13	53	27	29	21	21	80	82	74	74
10FLPS-10						26.64	10.79	9.91	9.16	9.29	26.64	16.50	26.24	26.24	5.19	6.19	6.19	6.19	6.19	4.13	56	27	29	21	21	83	85	77	77
10FLPS-11	0.75					27.90	10.66	11.19	9.16	9.29	27.90	17.76	27.50	27.50	5.74	6.2	7.19	6.19	6.19	4.13	58	32	40	23	23	90	98	81	81
10FLPS-12						28.37	10.66	11.19	9.16	9.29	28.37	19.02	27.98	27.98	5.74	6.2	7.19	6.19	6.19	4.13	60	32	40	23	23	92	100	83	83

10FLPS-13			30.44	10.66	11.19	9.16	9.29	30.44	20.28	30.04	30.04	5.74	6.2	7.19	6.19	6.19	4.13	65	32	40	23	23	97	105	88	88
10FLPS-14			31.78	10.66	11.19	9.16	9.29	31.78	21.54	31.38	31.38	5.74	6.2	7.19	6.19	6.19	4.13	67	32	40	23	23	99	107	90	90
10FLPS-15	1		32.96	10.67	11.19	10.66	9.91	32.96	22.80	32.56	32.56	5.74	6.2	7.19	6.2	6.19	4.72	69	32	40	30	28	101	109	99	97
10FLPS-16			34.22	10.67	11.19	10.66	9.91	34.22	24.06	33.82	33.82	5.74	6.2	7.19	6.2	6.19	4.72	71	32	40	30	28	103	111	101	99
10FLPS-17			35.48	10.67	11.19	10.66	9.91	35.48	25.31	35.08	35.08	5.74	6.2	7.19	6.2	6.19	4.72	73	32	40	30	28	105	113	103	101
10FLPS-18			36.74	10.67	11.19	10.66	9.91	36.74	26.57	36.34	36.34	5.74	6.2	7.19	6.2	6.19	4.72	75	32	40	30	28	107	115	105	103
10FLPS-19			38.08	10.67	11.19	10.66	9.91	38.08	27.83	37.68	37.68	5.74	6.2	7.19	6.2	6.19	4.72	77	32	40	30	28	109	117	107	105
10FLPS-20	1.5		39.26	11.18	12.06	11.16	10.79	39.26	29.09	38.86	38.86	5.74	7.19	7.19	6.2	6.19	4.72	79	43	51	32	33	122	130	111	112

Performance Curve **10FLPS 1450 RPM** **50 Hz**

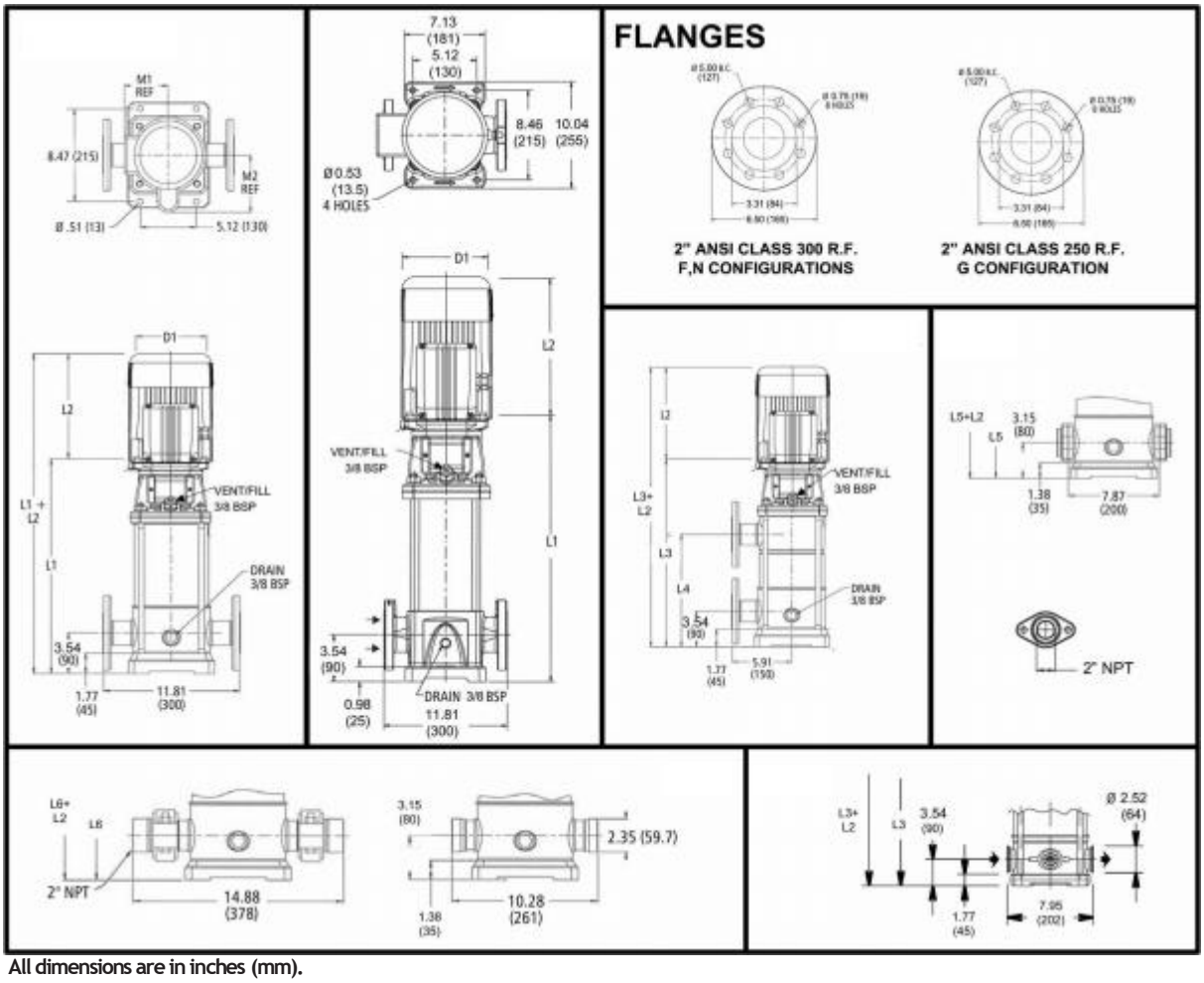


MINIMUM FLPSOW RATE: 0.9 m³/hr [4 GPM]

Dimensions and Weights

15FLPS Series 1450 RPM

50 Hz

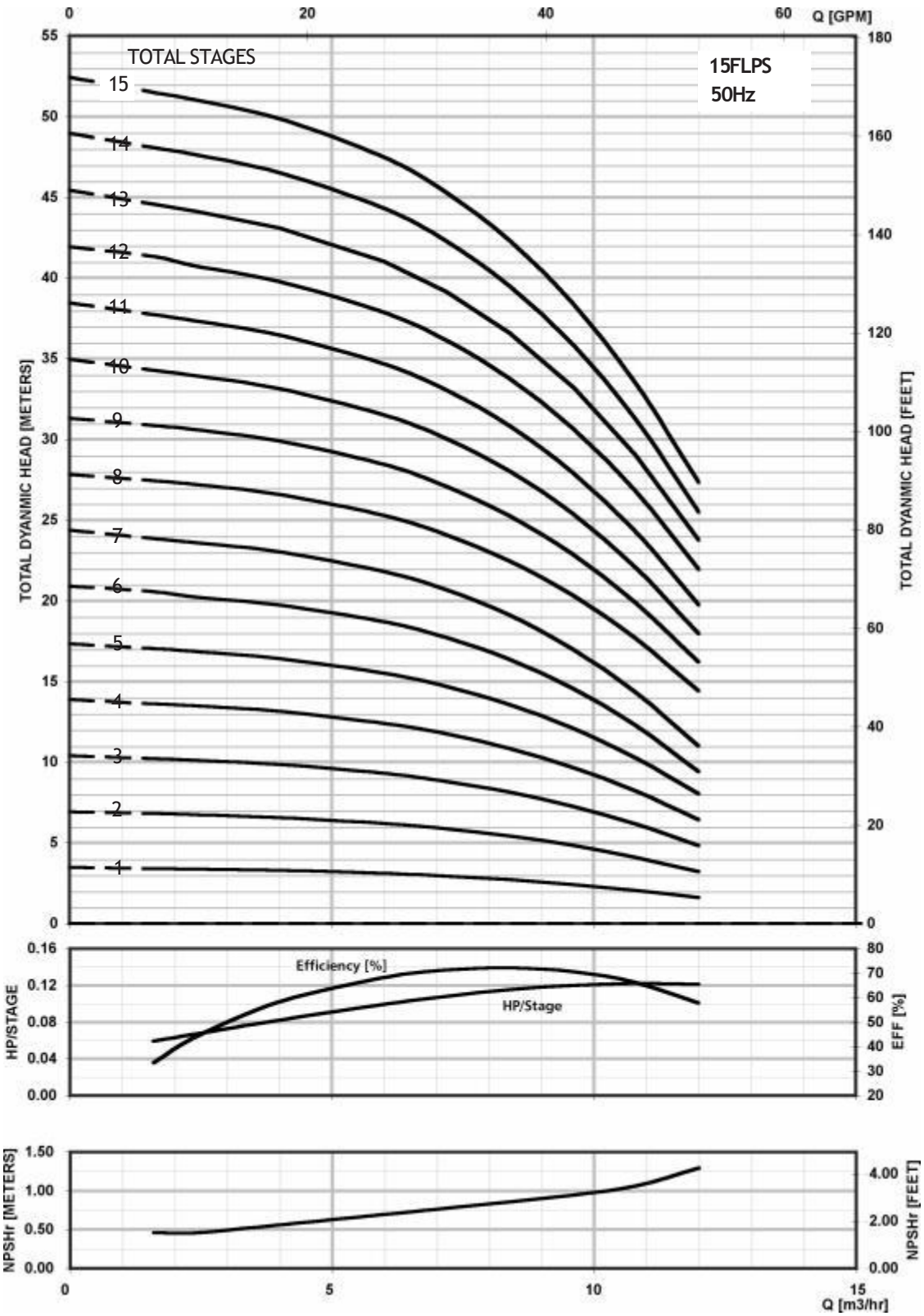


All dimensions are in inches (mm).

Pump Type	Motor					Dimensions (in)															Weight (lbs.)								
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D 1 (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
15FLPS 01	0.5	56C				18.21	10.79	9.91	9.16	9.29	-	-	17.82	17.82	5.19	6.19	6.19	6.19	6.19	4.13	37	27	29	21	21	64	66	58	58
15FLPS 02						18.21	10.79	9.91	9.16	9.29	-	-	17.82	17.82	5.19	6.19	6.19	6.19	6.19	4.13	41	27	29	21	21	68	70	62	62
15FLPS-03						20.10	10.79	9.91	9.16	9.29	-	-	19.71	19.71	5.19	6.19	6.19	6.19	6.19	4.13	44	27	29	21	21	71	73	65	65
15FLPS 04						21.99	10.79	9.91	9.16	9.29	21.99	11.85	21.60	21.60	5.19	6.19	6.19	6.19	6.19	4.13	47	27	29	21	21	74	76	68	68
15FLPS 05	0.75					23.88	10.66	11.19	9.16	9.29	23.88	13.74	23.49	23.49	5.74	6.19	7.19	6.19	6.19	4.13	49	32	40	23	23	81	89	72	72
15FLPS-06						25.79	10.66	11.19	9.16	9.29	25.79	15.63	25.40	25.40	5.74	6.19	7.19	6.19	6.19	4.13	56	32	40	23	23	88	96	79	79
15FLPS 07	1					27.68	10.67	11.19	10.66	9.91	27.68	17.52	27.29	27.29	5.74	6.19	7.19	6.19	6.19	4.72	59	32	40	30	28	91	99	89	87
15FLPS 08						29.57	10.67	11.19	10.66	9.91	29.57	19.41	29.18	29.18	5.74	6.19	7.19	6.19	6.19	4.72	61	32	40	30	28	93	101	91	89
15FLPS-09	1.5					31.46	11.18	12.06	11.16	10.79	31.46	21.30	31.07	31.07	5.74	7.19	7.19	6.19	6.19	4.72	64	43	51	32	33	107	115	96	97
15FLPS-10						33.35	11.18	12.06	11.16	10.79	33.35	23.19	32.96	32.96	5.74	7.19	7.19	6.19	6.19	4.72	68	43	51	32	33	111	119	100	101
15FLPS-11						35.24	11.18	12.06	11.16	10.79	35.24	25.08	34.85	34.85	5.74	7.19	7.19	6.19	6.19	4.72	71	43	51	32	33	114	122	103	104
15FLPS-12						37.13	11.18	12.06	11.16	10.79	37.13	26.97	36.74	36.74	5.74	7.19	7.19	6.19	6.19	4.72	74	43	51	32	33	117	125	106	107
15FLPS-						39.02	11.18	12.06	11.16	10.79	39.02	28.86	38.63	38.63	5.74	7.19	7.19	6.19	6.19	4.72	77	43	51	32	33	120	128	109	110

13																										
15FLPS-14	2		40.91	11.57	13.44	11.18	11.16	40.91	30.75	40.52	40.52	5.75	6.5	7.19	7.16	7.19	5.51	80	49	64	41	44	129	144	121	124
15FLPS-15			42.80	11.57	13.44	11.18	11.16	42.80	32.64	42.41	42.41	5.75	6.5	7.19	7.16	7.19	5.51	83	49	64	41	44	132	147	124	127

Performance Curve **15FLPS 1450 RPM** **50 Hz**

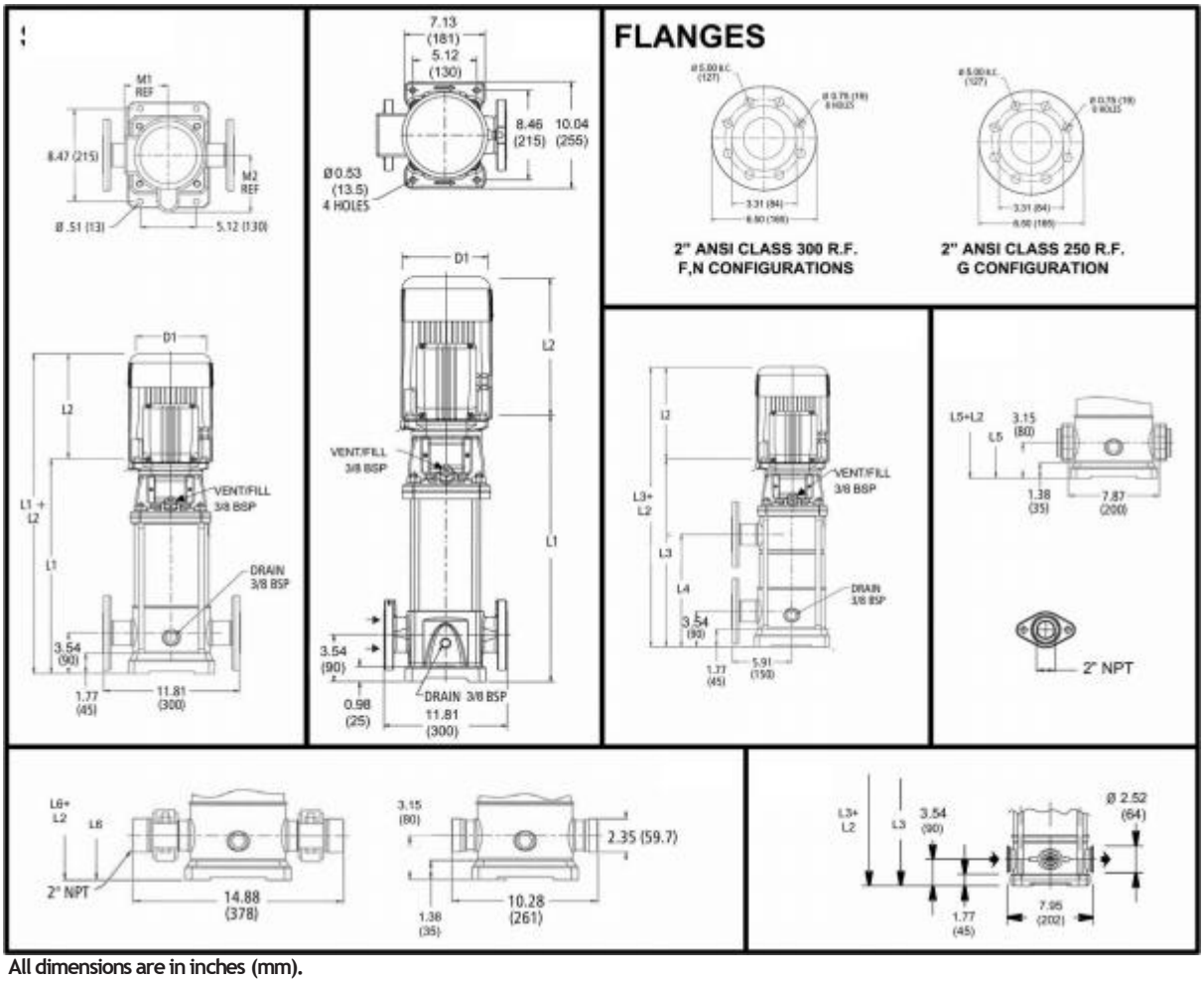


MINIMUM FLPSOW RATE: 1.6 m³/hr [7 GPM]

Dimensions and Weights

22FLPS Series 1450 RPM

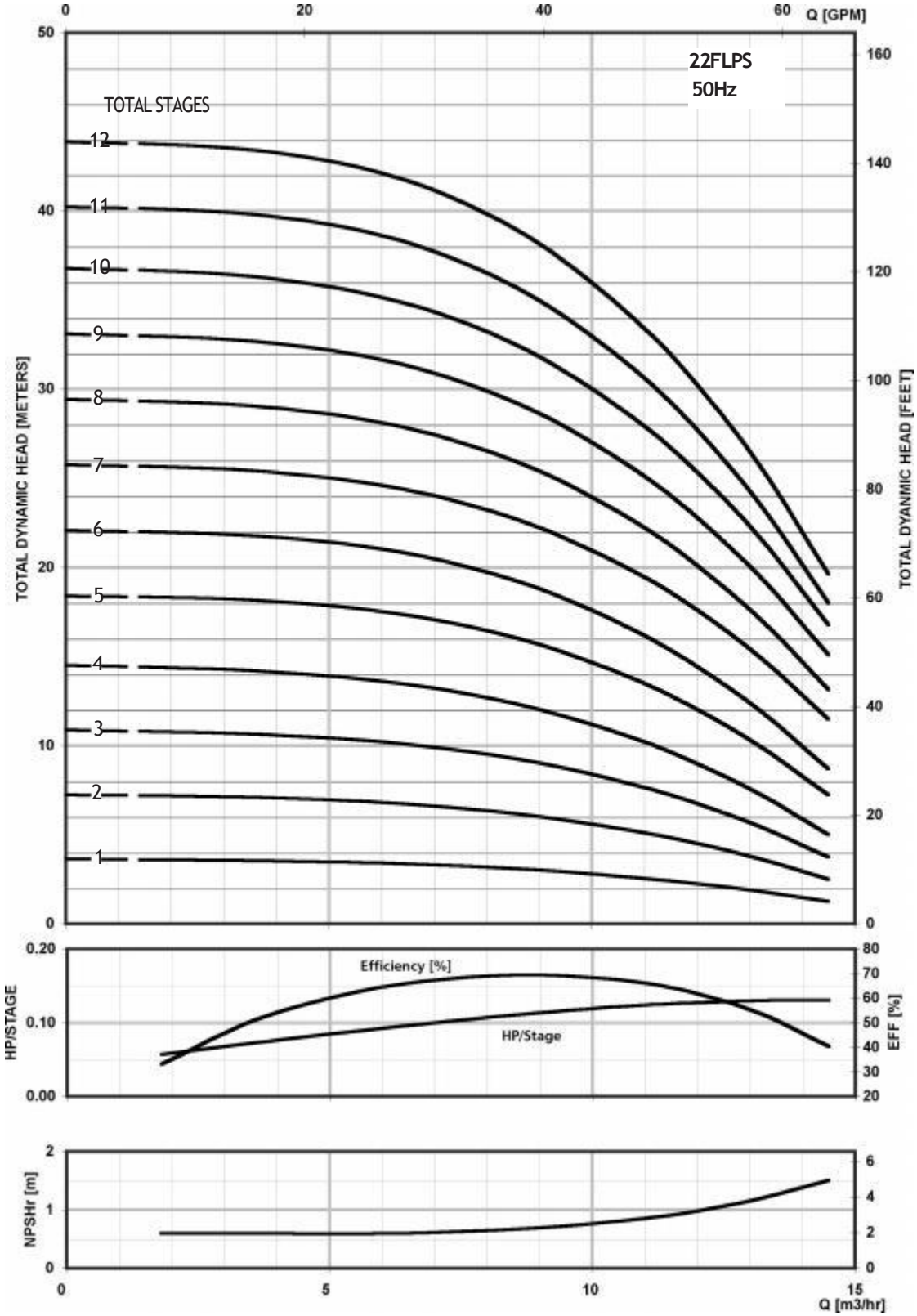
50 Hz



All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)															Weight (lbs.)								
	HP	NEMA Frame				L1	L2				L3	L4	L5	L6	M (Ref.)	D 1(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
22FLPS 01	0.5	56C				18.21	10.79	9.91	9.16	9.29	-	-	17.82	17.82	5.19	6.19	6.19	6.19	6.19	4.13	38	27	29	21	21	65	67	59	59
22FLPS 02						18.21	10.79	9.91	9.16	9.29	-	-	17.82	17.82	5.19	6.19	6.19	6.19	6.19	4.13	42	27	29	21	21	69	71	63	63
22FLPS 03						20.10	10.79	9.91	9.16	9.29	-	-	19.71	19.71	5.19	6.19	6.19	6.19	6.19	4.13	45	27	29	21	21	72	74	66	66
22FLPS 04	0.75					21.99	10.66	11.19	9.16	9.29	21.99	11.85	21.60	21.60	5.74	6.19	7.19	6.19	6.19	4.13	48	32	40	23	23	80	88	71	71
22FLPS 05						23.90	10.66	11.19	9.16	9.29	23.90	13.74	23.51	23.51	5.74	6.19	7.19	6.19	6.19	4.13	51	32	40	23	23	83	91	74	74
22FLPS 06	1					25.79	10.67	11.19	10.66	9.91	25.79	15.63	25.40	25.40	5.74	6.19	7.19	6.19	6.19	4.72	54	32	40	30	28	86	94	84	82
22FLPS 07	1.5					27.68	11.18	12.06	11.16	10.79	27.68	17.52	27.29	27.29	5.74	7.19	7.19	6.19	6.19	4.72	57	43	51	32	33	100	108	89	90
22FLPS 08						29.57	11.18	12.06	11.16	10.79	29.57	19.41	29.18	29.18	5.74	7.19	7.19	6.19	6.19	4.72	60	43	51	32	33	103	111	92	93
22FLPS 09						31.46	11.18	12.06	11.16	10.79	31.46	21.30	31.07	31.07	5.74	7.19	7.19	6.19	6.19	4.72	62	43	51	32	33	105	113	94	95
22FLPS-10						33.35	11.18	12.06	11.16	10.79	33.35	23.19	32.96	32.96	5.74	7.19	7.19	6.19	6.19	4.72	66	43	51	32	33	109	117	98	99
22FLPS-11	2					35.24	11.57	13.44	11.18	11.16	35.24	25.08	34.85	34.85	5.75	6.5	7.19	7.16	7.19	5.51	69	49	64	41	44	118	133	110	113
22FLPS-12						37.13	11.57	13.44	11.18	11.16	37.13	26.97	36.74	36.74	5.75	6.5	7.19	7.16	7.19	5.51	72	49	64	41	44	121	136	113	116

Performance Curve **22FLPS 1450 RPM** **50 Hz**

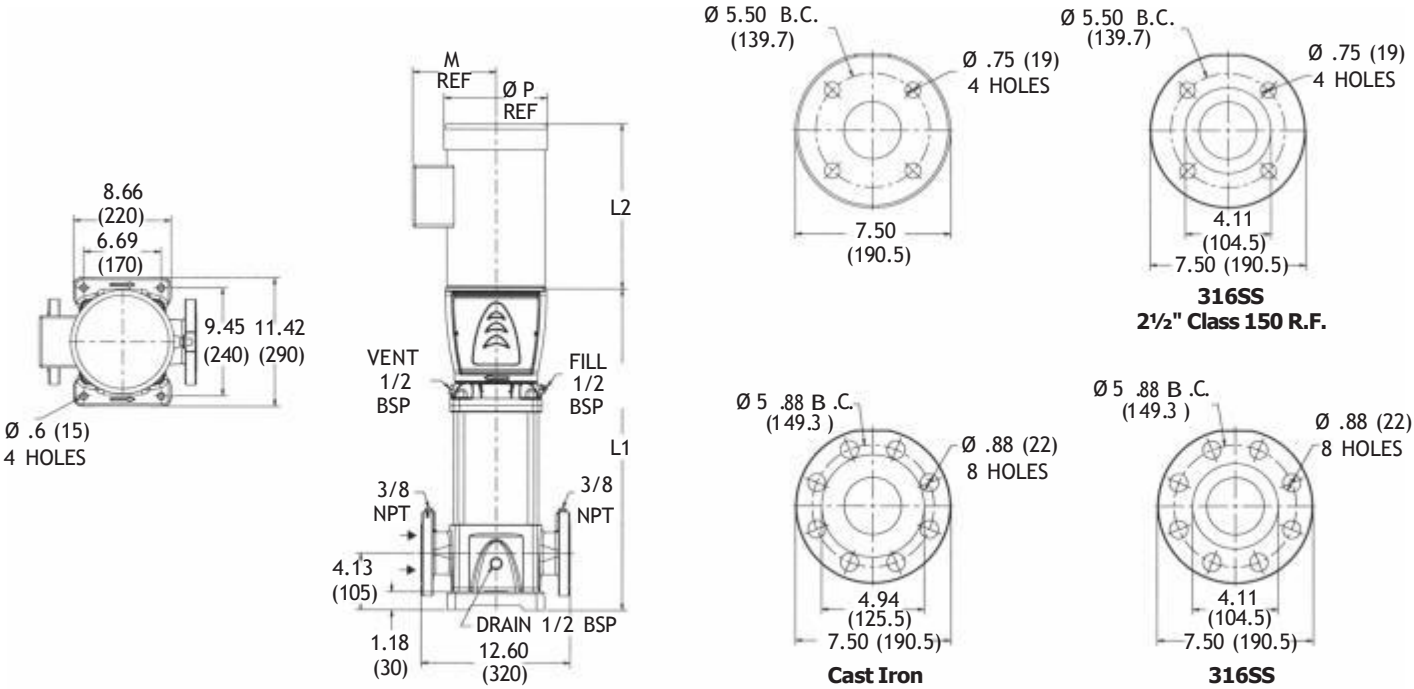


MINIMUM FLPSOW RATE: 2 m³/hr [9 GPM]

Dimensions and Weights

33FLPS Series 1450 RPM

50 Hz

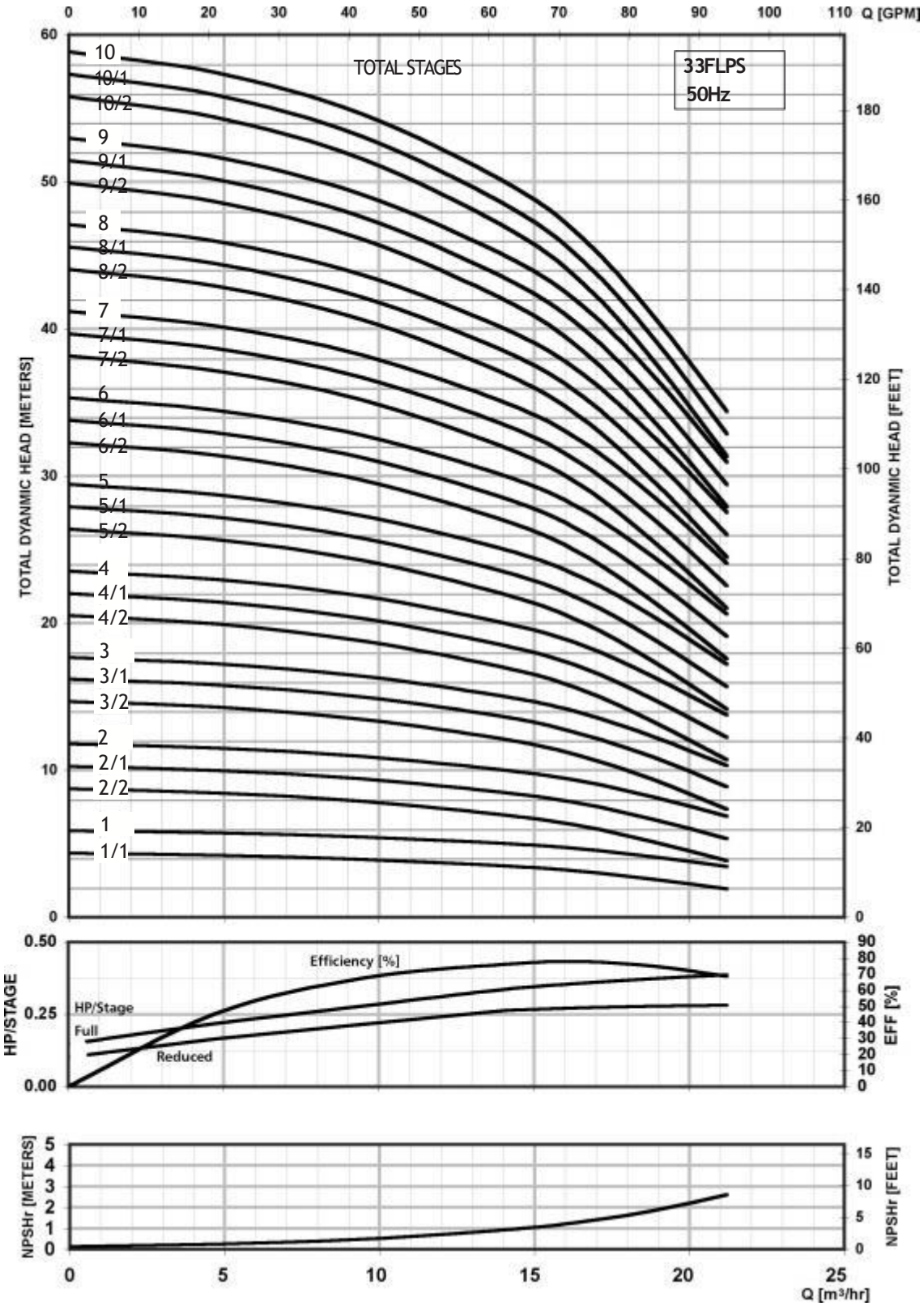


All dimensions are in inches (mm).

Pump Type Stages	Motor HP	Motor NEMA Frame ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	Dimensions (in) L1	L2 ODP 1Ø	L2 TEFC 1Ø	L2 ODP 3Ø	L2 TEFC 3Ø	M (Ref.)	D1 (max.) ODP 1Ø	D1 (max.) TEFC 1Ø	D1 (max.) ODP 3Ø	D1 (max.) TEFC 3Ø	D2	Weight (lbs.) Pump Only	Motor ODP 1Ø	Motor TEFC 1Ø	Motor ODP 3Ø	Motor TEFC 3Ø	Pump/Motor ODP 1Ø	Pump/Motor TEFC 1Ø	Pump/Motor ODP 3Ø	Pump/Motor TEFC 3Ø
33FLPS-1	3	182TC			23.58	20.62	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	132	81	92	62	69	213	224	194	201
33FLPS-2/2						23.58	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	143	81	92	62	69	224	235	205	212
33FLPS-2/1						13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	143	81	92	62	69	224	235	205	212	33FLPS-2
					26.54	23.58	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	143	81	92	62	69	224	235	205	212
33FLPS-3/2						26.54	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	152	81	92	62	69	233	244	214	221
33FLPS-3/1						29.50	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	152	81	92	62	69	233	244	214	221
						26.54	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	152	81	92	62	69	233	244	214	221
33FLPS-4/2						29.50	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	161	81	92	62	69	242	253	223	230
33FLPS-4/1						13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	161	81	92	62	69	242	253	223	230	33FLPS-4
						29.50	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	161	81	92	62	69	242	253	223	230
33FLPS-5/2						32.44	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	172	81	92	62	69	253	264	234	241
33FLPS-5/1						13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	172	81	92	62	69	253	264	234	241	33FLPS-5
						32.44	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	172	81	92	62	69	253	264	234	241
33FLPS-6/2						35.40	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	194	81	92	62	69	275	286	256	263
33FLPS-6/1						13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	194	81	92	62	69	275	286	256	263	33FLPS-6
						35.40	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	194	81	92	62	69	275	286	256	263
33FLPS-7/2						38.35	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	204	81	92	62	69	285	296	266	273
33FLPS-7/1	5					13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	204	81	92	62	69	285	296	266	273	33FLPS-7
						38.35	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	204	81	92	62	69	285	296	266	273
33FLPS-8/2						41.30	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	221	81	92	62	69	302	313	283	290

33FLPS-8/1				13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	221	81	92	62	69	302	313	283	290	33FLPS-8
				41.30	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	221	81	92	62	69	302	313	283	290
33FLPS-9/2				44.25	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	230	81	92	62	69	311	322	292	299
33FLPS-9/1				13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	230	81	92	62	69	311	322	292	299	33FLPS-9
				44.25	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	230	81	92	62	69	311	322	292	299
33FLPS-10/2				47.20	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	249	100	120	75	85	349	369	324	334
33FLPS-10/1				47.20	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	249	100	120	75	85	349	369	324	334
33FLPS-10				47.20	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	249	100	120	75	85	349	369	324	334

Performance Curve **33FLPS 1450 RPM** **50 Hz**

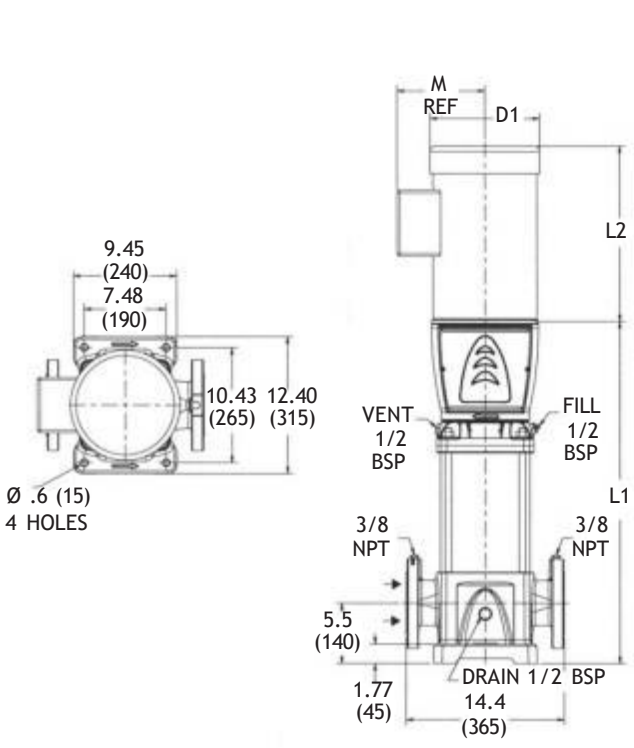


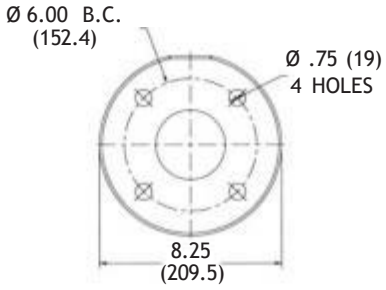
MINIMUM FLPSOW RATE: 0.9 m³/hr [4 GPM]

Dimensions and Weights

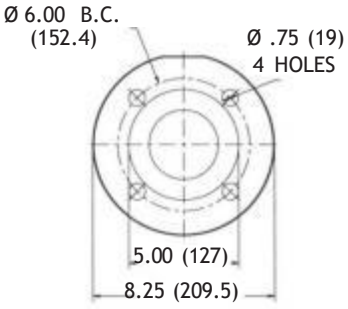
46FLPS Series 1450 RPM

50 Hz

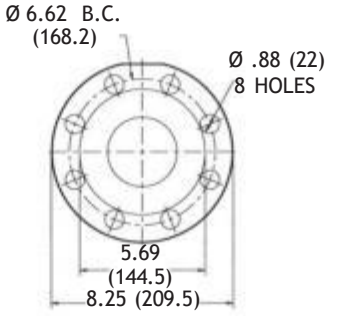




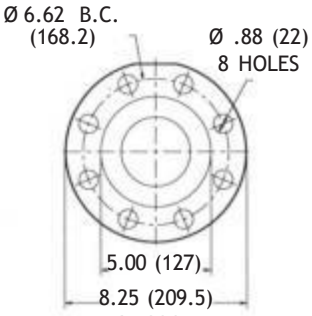
Cast Iron
3" Class 125 F.F.



316SS
3" Class 150 R.F.



Cast Iron
3" Class 250 R.F.



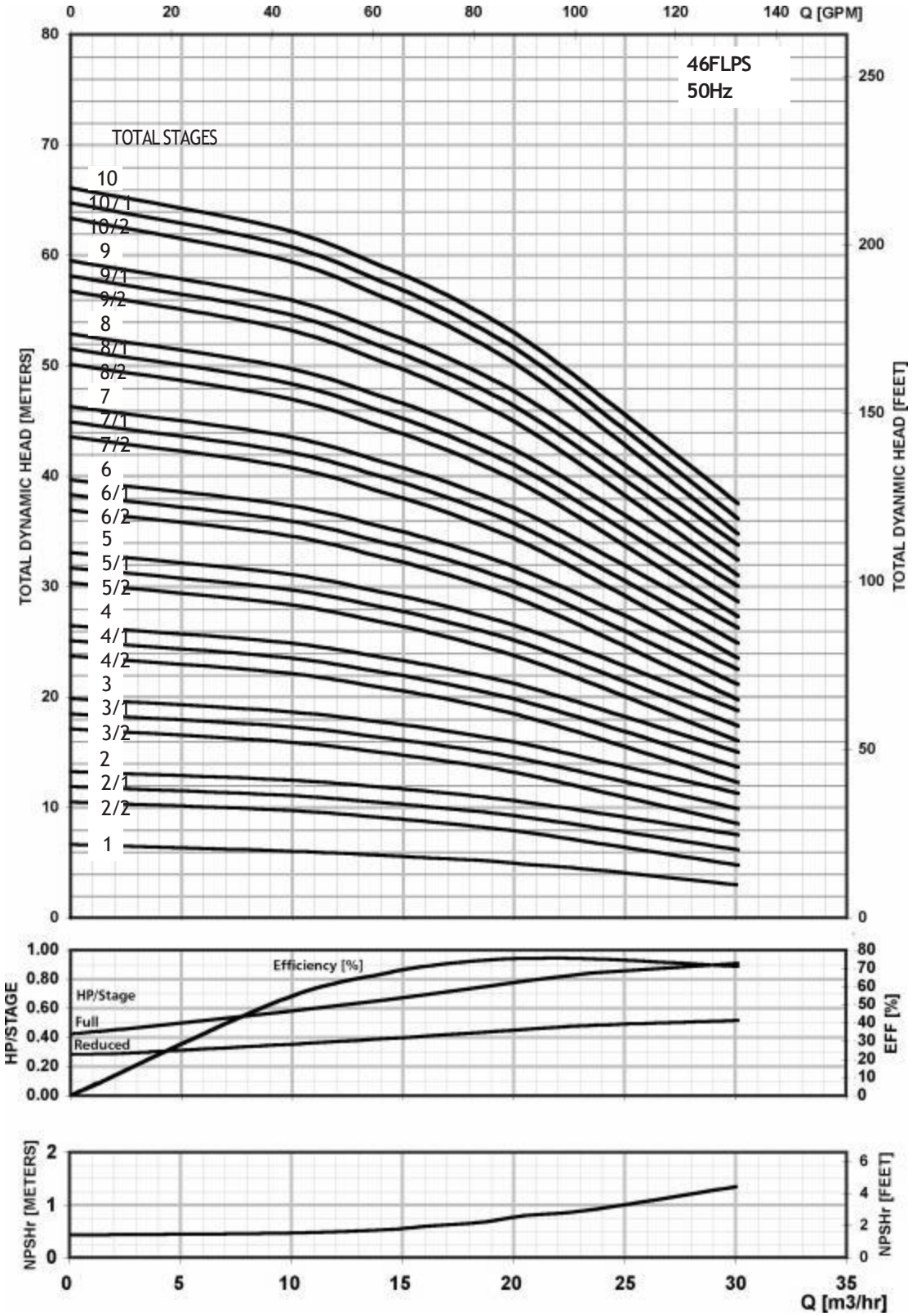
316SS
3" Class 300 R.F.

All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)												Weight (lbs.)								
	HP	NEMA Frame				L1	L2				M (Ref.)	D 1 (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
46FLPS-1	3	182TC			184TC	22.19	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	147	81	92	62	69	228	239	209	216
46FLPS-2/2						25.19	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	158	81	92	62	69	239	250	220	227
46FLPS-2/1						13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	158	81	92	62	69	239	250	220	227	46FLPS-2
						25.19	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	158	81	92	62	69	239	250	220	227
46FLPS-3/2						28.12	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	169	81	92	62	69	250	261	231	238
46FLPS-3/1						32.63	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	169	81	92	62	69	250	261	231	238	46FLPS-3
						28.12	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	169	81	92	62	69	250	261	231	238
46FLPS-4/2						32.63	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	185	81	92	62	69	266	277	247	254
46FLPS-4/1						13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	185	81	92	62	69	266	277	247	254	46FLPS-4
						32.63	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	185	81	92	62	69	266	277	247	254
46FLPS-5/2						35.56	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	199	81	92	62	69	280	291	261	268
46FLPS-5/1						35.56	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	199	81	92	62	69	280	291	261	268
46FLPS-5						35.56	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	199	81	92	62	69	280	291	261	268
46FLPS-6/2	5					38.50	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	208	100	120	75	85	308	328	283	293
46FLPS-6/1						13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	208	100	120	75	85	308	328	283	293	46FLPS-6
						38.50	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	208	100	120	75	85	308	328	283	293
46FLPS-7/2						40.94	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	225	100	120	75	85	325	345	300	310
46FLPS-7/1						13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	225	100	120	75	85	325	345	300	310	46FLPS-7
						40.94	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	225	100	120	75	85	325	345	300	310

46FLPS-8/2				43.94	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	234	100	120	75	85	334	354	309	319	
46FLPS-8/1				13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	234	100	120	75	85	334	354	309	319	46FLPS-8
				43.94	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	234	100	120	75	85	334	354	309	319	
46FLPS-9/2				46.88	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	253	100	120	75	85	353	373	328	338	
46FLPS-9/1				13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	253	100	120	75	85	353	373	328	338	46FLPS-9
				46.88	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	253	100	120	75	85	353	373	328	338	
46FLPS-10/2				49.81	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	264	100	120	75	85	364	384	339	349	

Performance Curve **46FLPS 1450 RPM** **50 Hz**

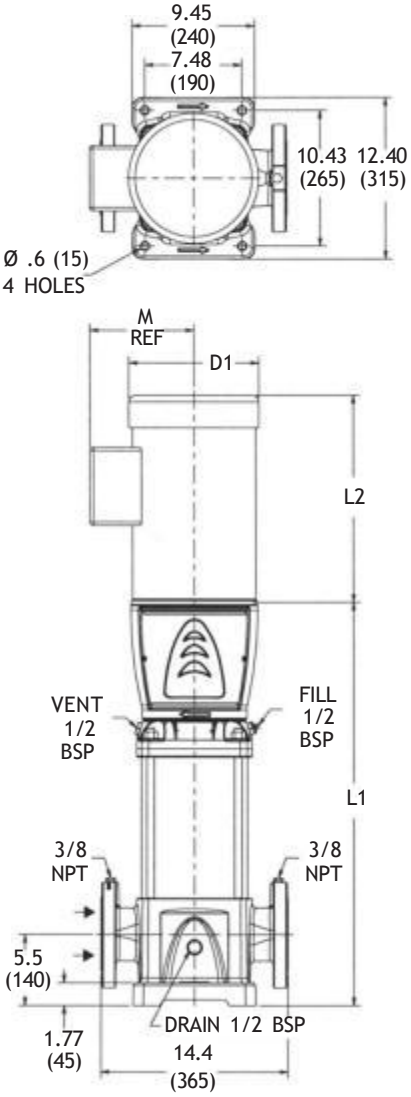


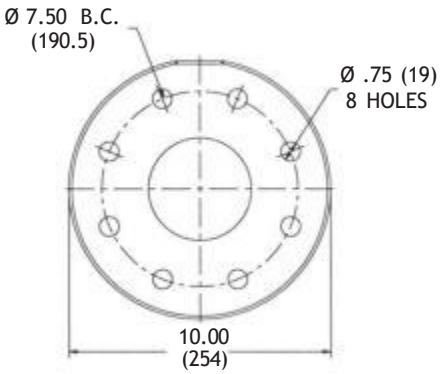
MINIMUM FLPSOW RATE: 1.1 m³/hr [5 GPM]

Dimensions and Weights

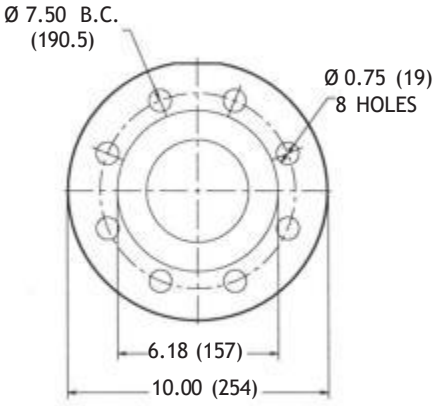
66FLPS Series 1450 RPM

50 Hz

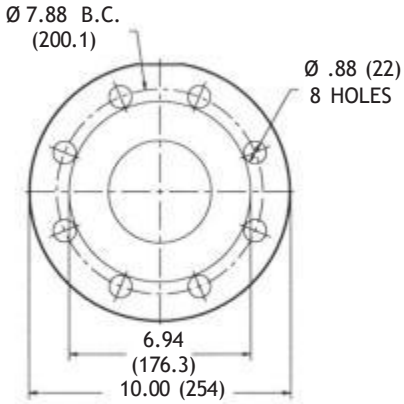




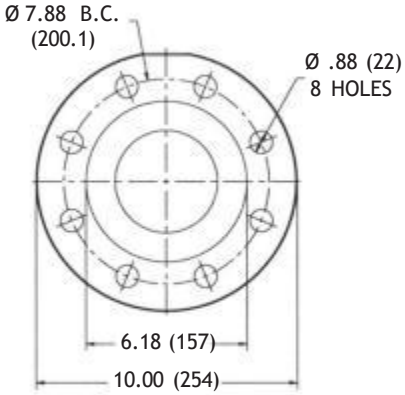
Cast Iron
4" Class 125 F.F.



316SS
4" Class 150 R.F.



Cast Iron
4" Class 250 R.F.



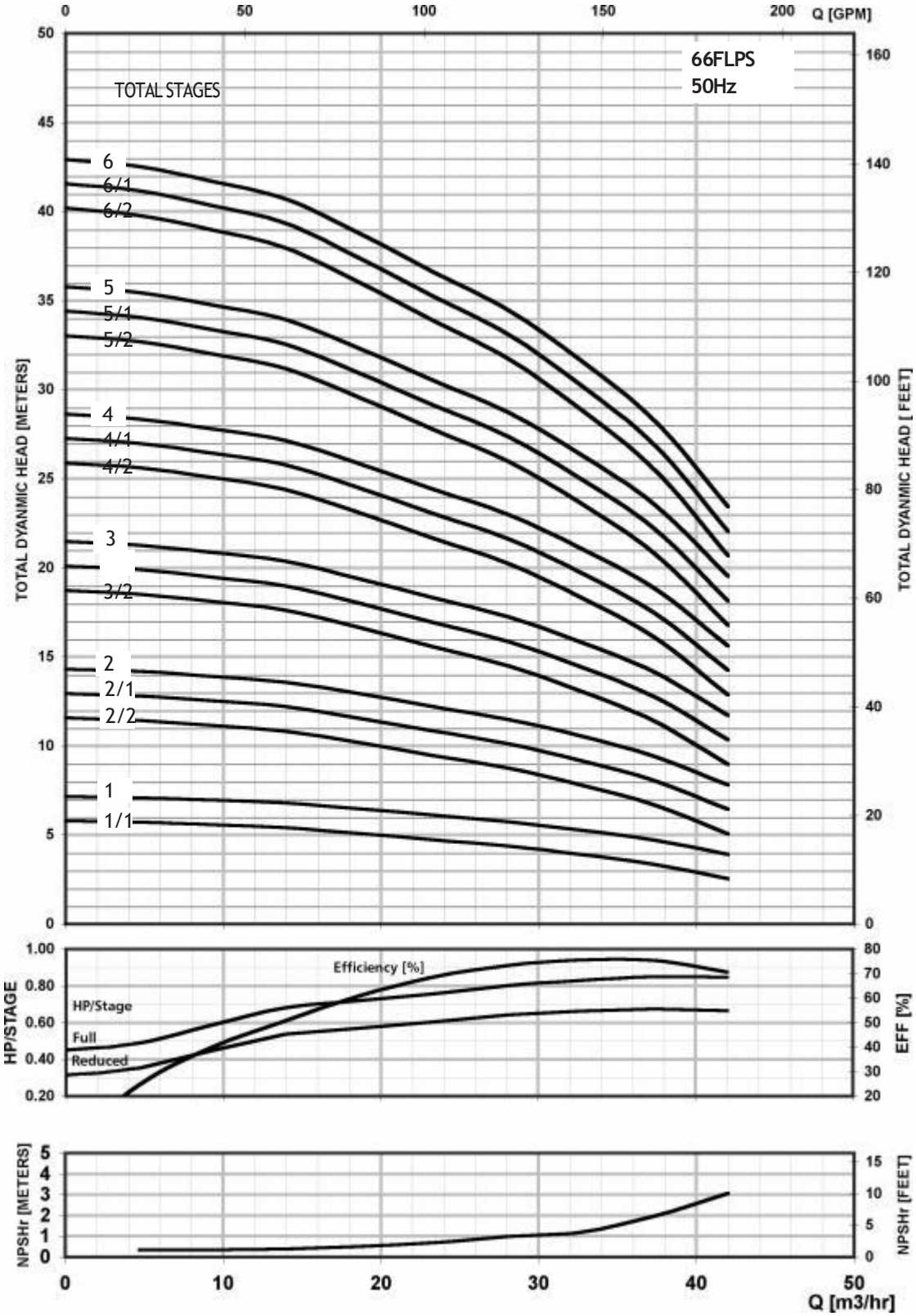
316SS
4" Class 300 R.F.

All dimensions are in inches (mm).

Pump 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
66FLPS-1	3	184TC			26.75	23.19	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	185	81	92	62	69	266	277	247	254
66FLPS-2/2						26.75	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	196	81	92	62	69	277	288	258	265
66FLPS-2/1						13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	196	81	92	62	69	277	288	258	265	66FLPS-2
66FLPS-3/2					31.81	26.75	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	196	81	92	62	69	277	288	258	265
66FLPS-3/1						31.81	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	223	81	92	62	69	304	315	285	292
66FLPS-4/2					35.38	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	223	81	92	62	69	304	315	285	292	66FLPS-3
66FLPS-4/1	5					31.81	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	223	81	92	62	69	304	315	285	292
66FLPS-5/2					41.94	35.38	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	234	81	92	62	69	315	326	296	303
						39.44	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	234	81	92	62	69	315	326	296	303
						35.38	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	234	81	92	62	69	315	326	296	303
						39.44	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	244	100	120	75	85	344	364	319	329

66FLPS-5/1			39.44	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	244	100	120	75	85	344	364	319	329
66FLPS-5			39.44	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	244	100	120	75	85	344	364	319	329
66FLPS-6/2			41.94	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	266	100	120	75	85	366	386	341	351
66FLPS-6/1			13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	266	100	120	75	85	366	386	341	351	66FLPS-6
			41.94	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	266	100	120	75	85	366	386	341	351

Performance Curve **66FLPS 1450 RPM** **50 Hz**

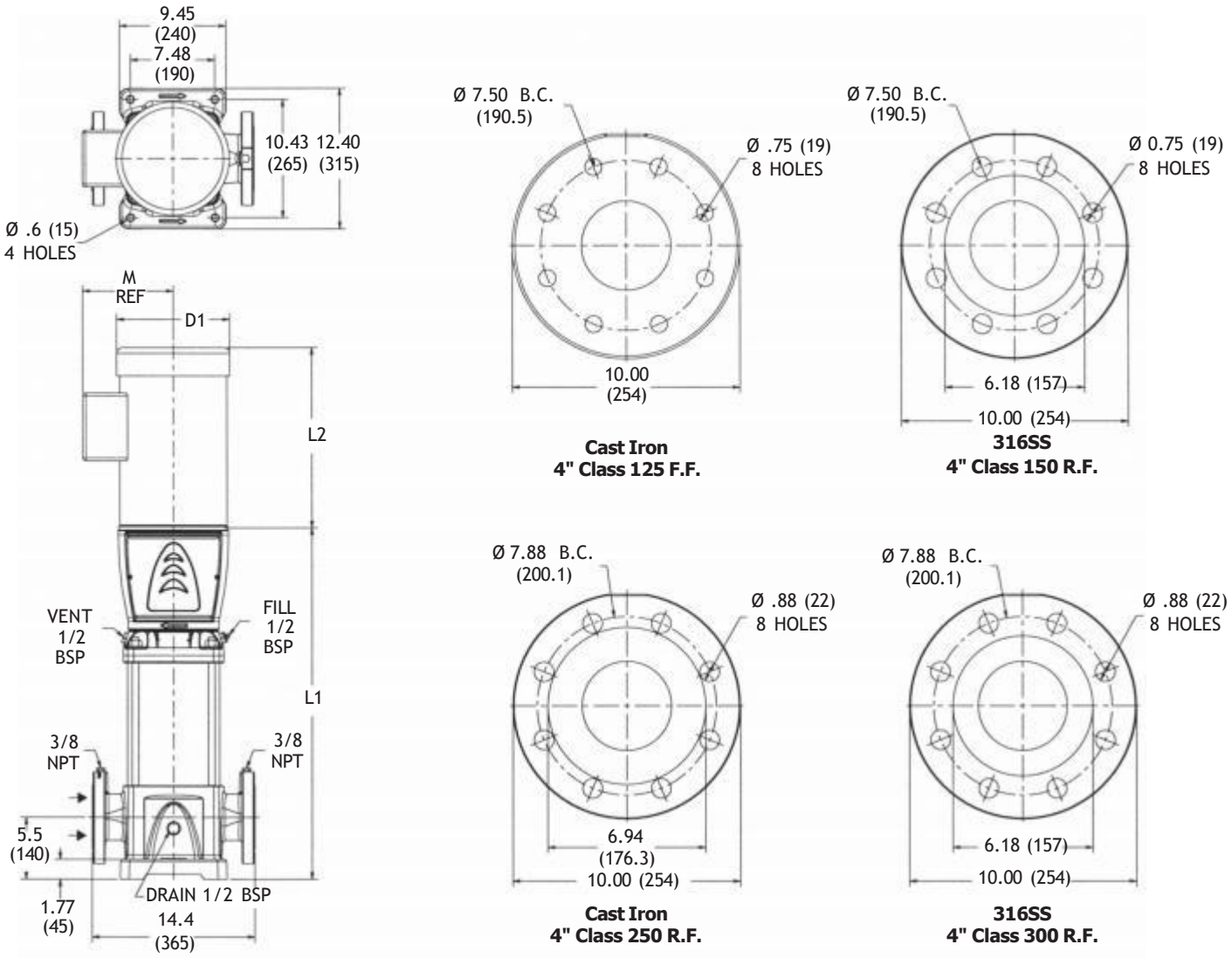


MINIMUM FLPSOW RATE: 1.6 m³/hr [7 GPM]

Dimensions and Weights

92FLPS Series 1450 RPM

50 Hz

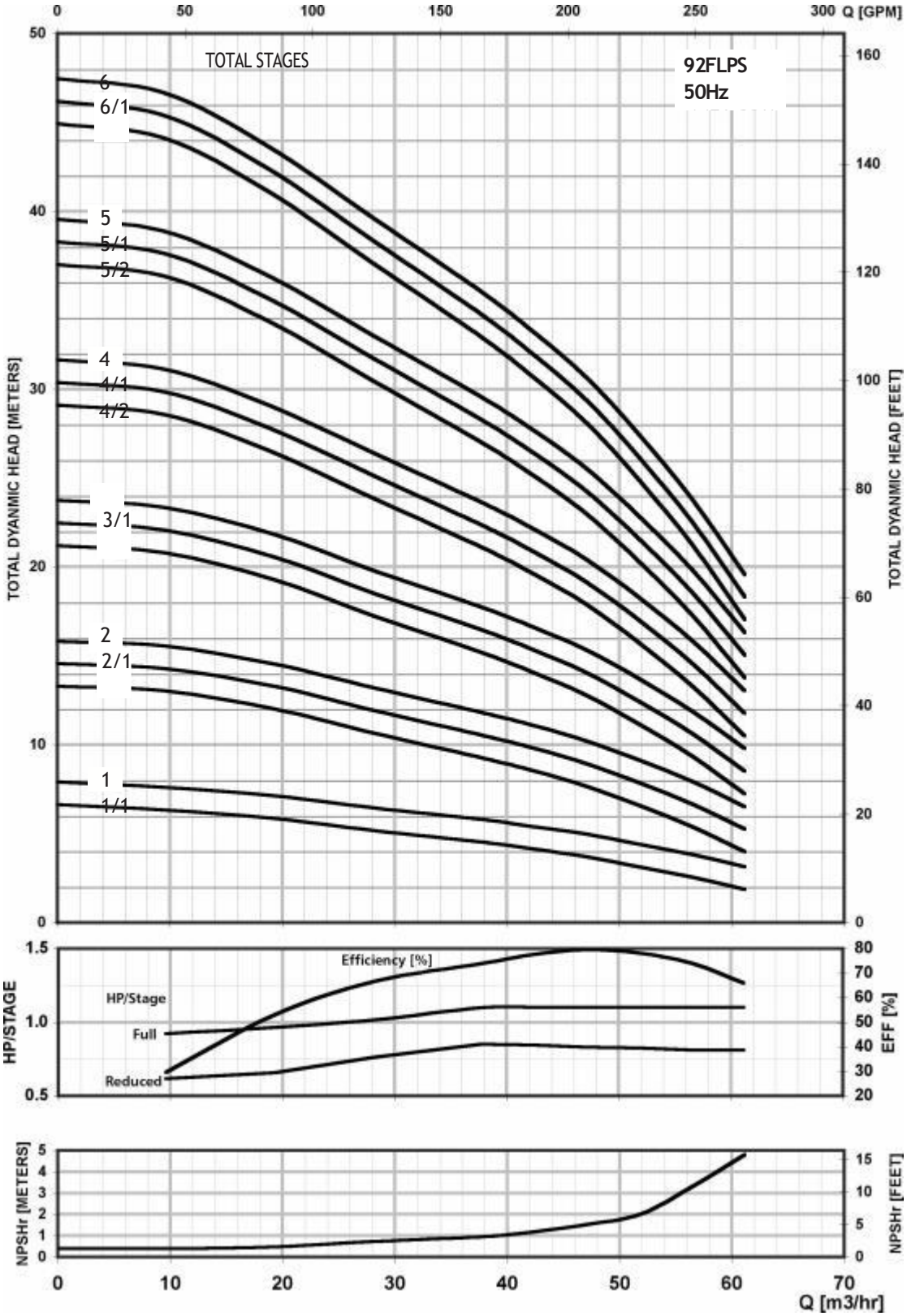


All dimensions are in inches (mm).

Pump Type Stages	Motor					Dimensions (in)											Weight (lbs.)								
	HP	NEMA Frame				L1	L2				M (Ref.)	D 1 (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
92FLPS-1	3	184TC			28.31	23.19	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	185	81	92	62	69	266	277	247	254
92FLPS-2/2						28.31	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	196	81	92	62	69	277	288	258	265
92FLPS-2/1						13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	196	81	92	62	69	277	288	258	265	92FLPS-2
92FLPS-3/2					31.18	28.31	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	196	81	92	62	69	277	288	258	265
92FLPS-3/1						31.18	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	223	81	92	62	69	304	315	285	292
92FLPS-4/2	5				34.88	34.88	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	223	81	92	62	69	304	315	285	292
92FLPS-4/1						31.28	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	223	81	92	62	69	304	315	285	292
92FLPS-5/2						34.88	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	234	100	120	75	85	334	354	309	319
					41.94	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	234	100	120	75	85	334	354	309	319	92FLPS-4
						34.88	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	234	100	120	75	85	334	354	309	319
						38.44	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	252	100	120	75	85	352	372	327	337

92FLPS-5/1			38.44	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	252	100	120	75	85	352	372	327	337
92FLPS-5			38.44	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	252	100	120	75	85	352	372	327	337
92FLPS-6/2			41.94	13.94	13.94	15.44	15.44	6.88	8.50	8.50	8.50	8.50	5.51	266	100	120	75	85	366	386	341	351
92FLPS-6/1			13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	266	100	120	75	85	366	386	341	351	92FLPS-6
			41.94	13.94	15.44	13.94	15.44	6.88	8.50	8.50	8.50	8.50	5.51	266	100	120	75	85	366	386	341	351

Performance Curve **92FLPS 1450 RPM** **50 Hz**

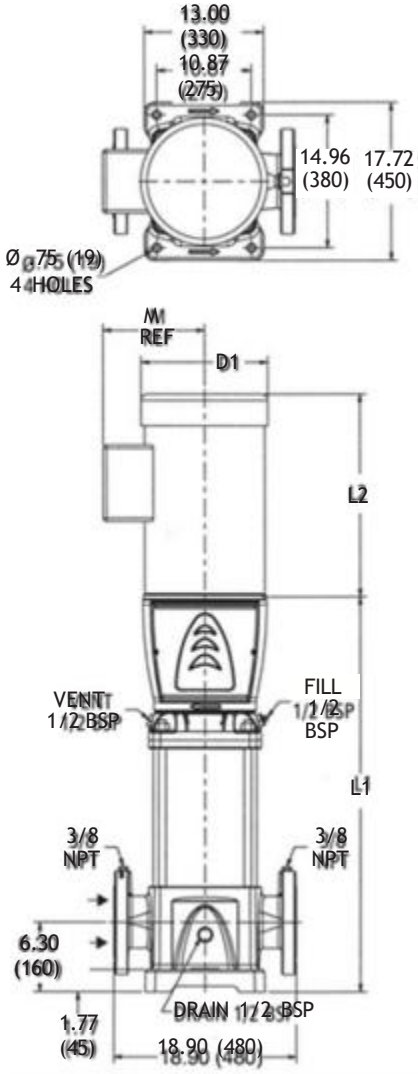


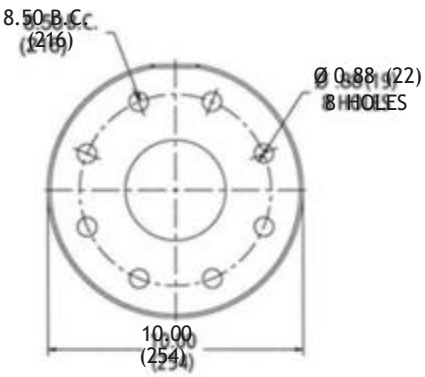
MINIMUM FLPSOW RATE: 2.3 m³/hr [10 GPM]

Dimensions and Weights

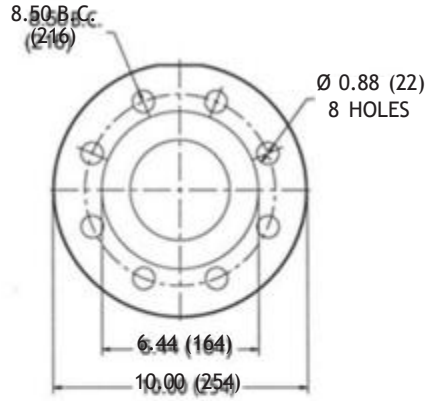
125FLPS Series 1450 RPM

50 Hz

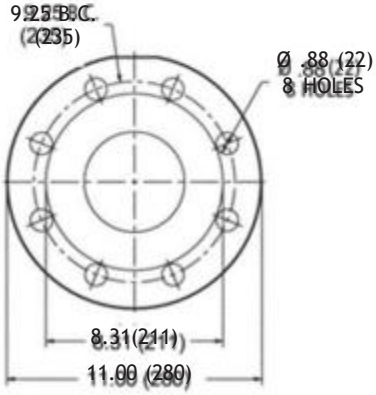




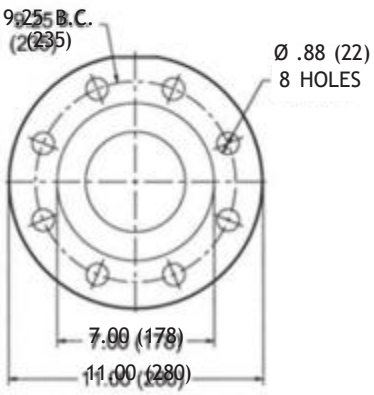
Cast Iron
5" Class 125 F.F.



316SS
5" Class 150 R.F.



Cast Iron
5" Class 250 R.F.

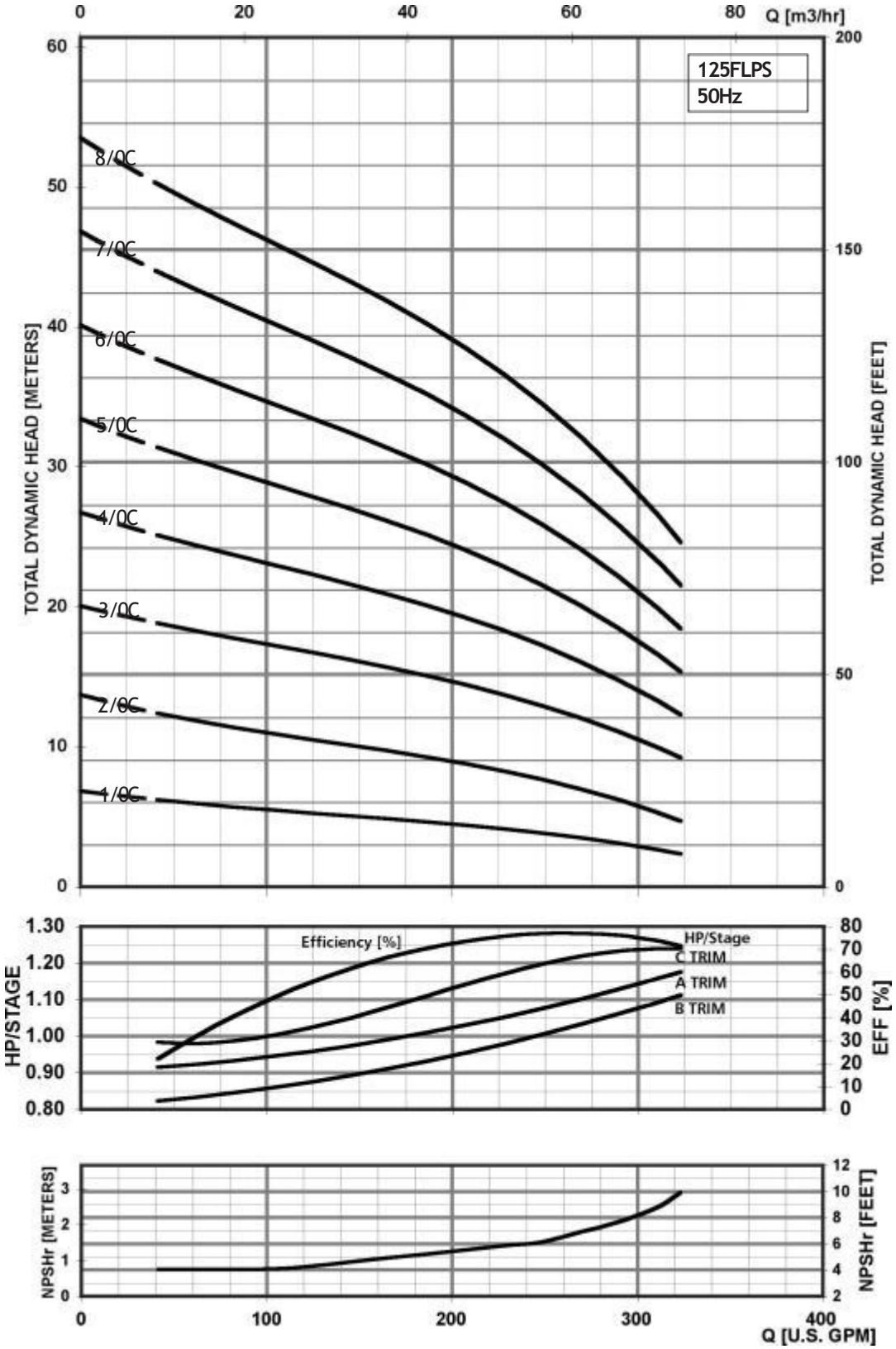


316SS
5" Class 300 R.F.

All dimensions are in inches (mm).

	Motor					Dimensions (in)															Weight (lbs.)								
		NEMA Frame					L2									D 1 (max.)							Motor				Pump/Motor			
Pump Type	HP	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	L1	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	L3	L4	L5	L6	M (Ref.)	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	D2	Pump	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø	ODP 1Ø	TEFC 1Ø	ODP 3Ø	TEFC 3Ø
125FLPS-1/0C	3	184TC	184TC	182TC	184TC	27.30	13.93	15.43	12.55	13.93	-	-	-	-	6.87	8.88	8.86	9.02	8.86	5.51	256	81	92	62	69	-	-	318	325
125FLPS-2/0C	3	184TC	184TC	182TC	184TC	34.60	13.93	15.43	12.55	13.93	-	-	-	-	6.87	8.88	8.86	9.02	8.86	5.51	289	81	92	62	69	-	-	351	358
125FLPS-3/0C	3	184TC	184TC	182TC	184TC	40.50	13.93	15.43	12.55	13.93	-	-	-	-	6.87	8.88	8.86	9.02	8.86	5.51	315	81	92	62	69	-	-	377	384
125FLPS-4/0C	5	213TC	213TC	184TC	184TC	46.40	13.88	15.53	13.93	15.43	-	-	-	-	8.05	8.89	10.62	8.88	8.86	5.51	355	100	120	75	85	-	-	430	440
125FLPS-5/0C	5	213TC	213TC	184TC	184TC	52.30	13.88	15.53	13.93	15.43	-	-	-	-	8.05	8.89	10.62	8.88	8.86	5.51	379	100	120	75	85	-	-	454	464
125FLPS-6/0C	7.5	215TC	215TC	213TC	215TC	58.20	16.63	16.68	15.55	15.51	-	-	-	-	8.77	10.62	10.18	10.18	10.28	4.13	412	132	145	107	122	-	-	519	534
125FLPS-7/0C	7.5	215TC	215TC	213TC	215TC	65.30	16.63	16.68	15.55	15.51	-	-	-	-	8.77	10.62	10.18	10.18	10.28	4.13	476	132	145	107	122	-	-	583	598
125FLPS8/0C	10	-	-	215TC	254TC	71.10	-	-	15.55	16.57	-	-	-	-	9.22	-	-	10.18	10.28	4.72	494	-	-	125	195	-	-	619	689

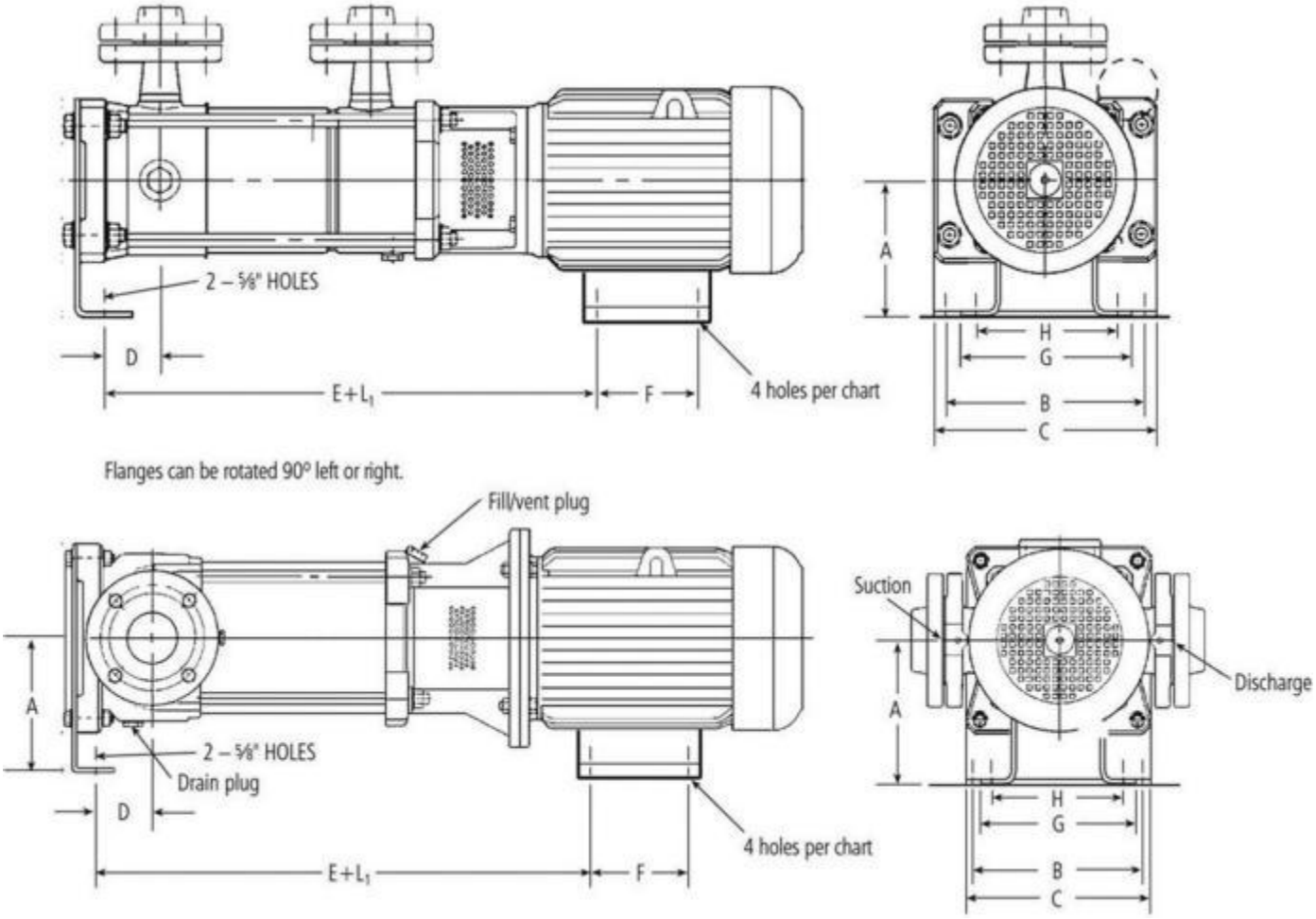
Performance Curve **125FLPS 1450 RPM** **50 Hz**



MINIMUM FLPSOW RATE: 42 GPM [9 m^3/hr]

1FLPS – 22FLPS Horizontal Mounting Option

- Consists of FLPS pump with base mounting foot and footed motor for horizontal installations.
- Unit depicted may not show actual pump configuration. Use for mounting location only.

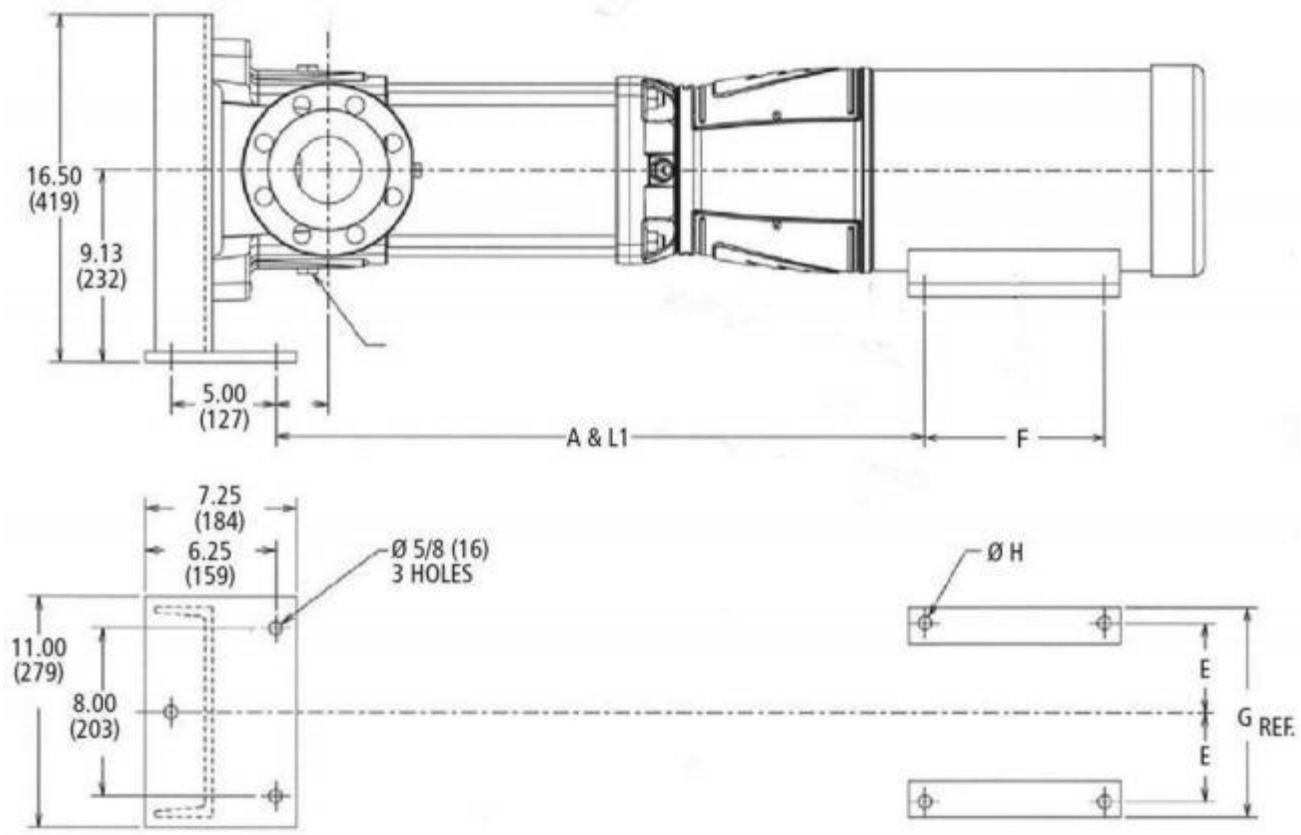


1FLPS – 22FLPS Horizontal Mounting Option

Series	Motor Frame	FLPSange	A	B	C	D	E	F	G	H	Motor Shim Thickness	PumpShim Thickness
1FLPS	56C	T	4.5	7	9	0.219	0.810	3	6.563	4.825	1	-
		F, N, P, G, C	4.5	7	9	1.125	0.810	3	6.563	4.825	1	-
		R	4.5	11	12	1.254	0.940	3	6.563	4.825	1	-
3FLPS	56C	T	4.5	7	9	0.219	0.81	3	6.563	4.825	1	-
		F, N, P, G, C	4.5	7	9	1.125	0.81	3	6.563	4.825	1	-
		R	4.5	11	12	1.254	0.94	3	6.563	4.825	1	-
	180TC	T	4.5	7	9	0.219	1.88	5.5	6.563	4.825	-	-
		F, N, P, G, C	4.5	7	9	1.125	1.88	5.5	6.563	4.825	-	-
		R	4.5	11	12	1.254	2.01	5.5	6.563	4.825	-	-
	210TC	T	4.5	7	9	0.219	2.5	7	6.563	4.825	-	0.75
		F, N, P, G, C	4.5	7	9	1.125	2.5	7	6.563	4.825	-	0.75
		R	4.5	11	12	1.254	2.63	7	6.563	4.825	-	0.75
5FLPS	56C	T	4.5	7	9	0.219	0.81	3	6.563	4.825	1	-
		F, N, P, G, C	4.5	7	9	1.125	0.81	3	6.563	4.825	1	-
		R	4.5	11	12	1.254	0.94	3	6.563	4.825	1	-
	180TC	T	4.5	7	9	0.219	1.88	5.5	6.563	4.825	-	-
		F, N, P, G, C	4.5	7	9	1.125	1.88	5.5	6.563	4.825	-	-
		R	4.5	11	12	1.254	2.01	5.5	6.563	4.825	-	-
	210TC	T	4.5	7	9	0.219	2.5	7	6.563	4.825	-	0.75
		F, N, P, G, C	4.5	7	9	1.125	2.5	7	6.563	4.825	-	0.75
		R	4.5	11	12	1.254	2.63	7	6.563	4.825	-	0.75
10FLPS	56C	T	6.25	9.125	10.50	1.59	1	3	6.563	4.825	2.75	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	1	3	6.563	4.825	2.75	-
		R	6.25	11.875	13.25	1.983	1	3	6.563	4.825	1	-
	180TC	T	6.25	9.125	10.50	1.59	2.07	5.5	8.625	7.50	1.75	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	2.07	5.5	8.625	7.50	1.75	-
		R	6.25	11.875	13.25	1.983	2.07	5.5	8.625	7.50	-	-
	210TC	T	6.25	9.125	10.50	1.59	2.69	7	9.500	8.50	1	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	2.69	7	9.500	8.50	1	-
		R	6.25	11.875	13.25	1.983	2.69	7	9.500	8.50	-	0.75
	250TC	T	6.25	9.125	10.50	1.59	3.19	10	11.500	10.00	-	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	3.19	10	11.500	10.00	-	-
		R	6.25	11.875	13.25	1.983	3.19	10	11.500	10.00	-	1.75
15FLPS	56C	T	6.25	9.125	10.50	1.59	1	3	6.563	4.825	2.75	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	1	3	6.563	4.825	2.75	-
		R	6.25	11.875	13.25	1.983	1	3	6.563	4.825	1	-
	180TC	T	6.25	9.125	10.50	1.59	2.07	5.5	8.625	7.50	1.75	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	2.07	5.5	8.625	7.50	1.75	-
		R	6.25	11.875	13.25	1.983	2.07	5.5	8.625	7.50	-	-
	210TC	T	6.25	9.125	10.50	1.59	2.69	7	9.500	8.50	1	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	2.69	7	9.500	8.50	1	-
		R	6.25	11.875	13.25	1.983	2.69	7	9.500	8.50	-	0.75
	250TC	T	6.25	9.125	10.50	1.59	3.19	10	11.500	10.00	-	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	3.19	10	11.500	10.00	-	-
		R	6.25	11.875	13.25	1.983	3.19	10	11.500	10.00	-	1.75
	280TC	T	6.25	9.125	10.50	1.59	3.19	11	12.750	12.50	-	0.75
		F, N, P, G, C	6.25	9.125	10.50	1.983	3.19	11	12.750	12.50	-	0.75
		R	6.25	11.875	13.25	1.983	3.19	11	12.750	12.50	-	2.50
22FLPS	56C	T	6.25	9.125	10.50	1.59	1	3	6.563	4.825	2.75	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	1	3	6.563	4.825	2.75	-
		R	6.25	11.875	13.25	1.983	1	3	6.563	4.825	1	-
	180TC	T	6.25	9.125	10.50	1.59	2.07	5.5	8.625	7.50	1.75	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	2.07	5.5	8.625	7.50	1.75	-
		R	6.25	11.875	13.25	1.983	2.07	5.5	8.625	7.50	-	-
	210TC	T	6.25	9.125	10.50	1.59	2.69	7	9.500	8.50	1	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	2.69	7	9.500	8.50	1	-
		R	6.25	11.875	13.25	1.983	2.69	7	9.500	8.50	-	0.75
	250TC	T	6.25	9.125	10.50	1.59	3.19	10	11.500	10.00	-	-
		F, N, P, G, C	6.25	9.125	10.50	1.983	3.19	10	11.500	10.00	-	-
		R	6.25	11.875	13.25	1.983	3.19	10	11.500	10.00	-	1.75
	280TC	T	6.25	9.125	10.50	1.59	3.19	11	12.750	12.50	-	0.75
		F, N, P, G, C	6.25	9.125	10.50	1.983	3.19	11	12.750	12.50	-	0.75
		R	6.25	11.875	13.25	1.983	3.19	11	12.750	12.50	-	2.50

33FLPS – 92FLPS Horizontal Mounting Option

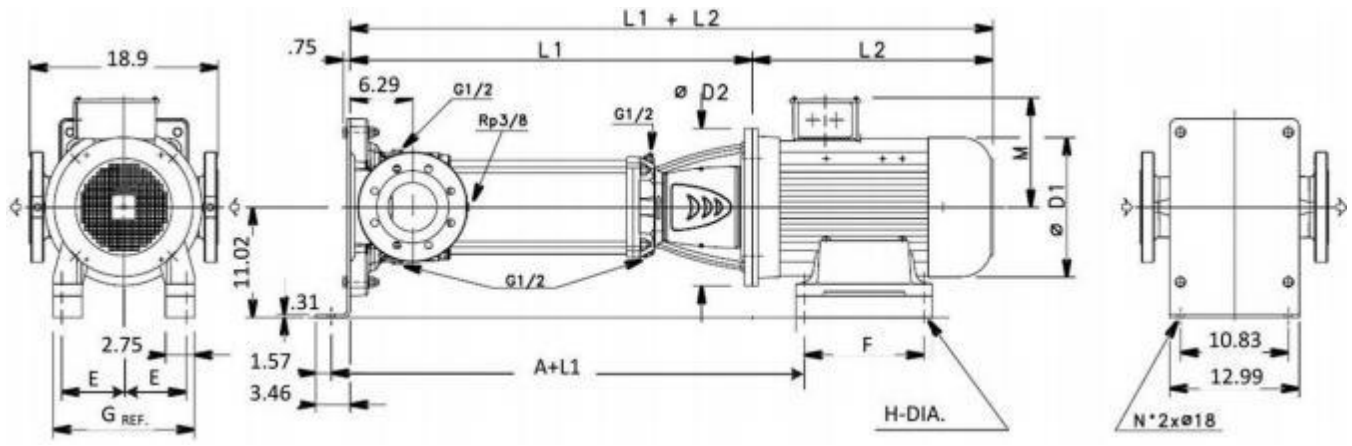
- Consists of FLPS pump with base mounting foot and footed motor for horizontal installations.
- Unit depicted may not show actual pump configuration. Use for mounting location only.



Series	Motor Frame	FLPSange	A	B	E	F	G	H - DIA.
33FLPS	182TC	G, N	0.5	1.13	3.5	2.25	8.63	13/32
	184TC					2.75		
	213TC		1.25		4.25	2.75	9.5	
	215TC					3.5		
	254TC		1.75		5	4.12	11.25	17/32
	256TC					5		
	284TC		1.75		5.5	4.75	12.25	
	286TC					5.5		
	324TSC		2.25		6.25	5.25	16	21/32
	326TSC					6		
	364TSC		2.88		7	5.63	18	
	365TSC					6.12		
46/66/92FLPS	182TC	G, N	0.5	2.5	3.7	2.25	8.63	13/32
	184TC					2.75		
	213TC		1.25		4.25	2.75	9.5	
	215TC					3.5		
	254TC		1.75		5	4.12	11.25	17/32
	256TC					5		
	284TC		1.75		5.5	4.75	16.5	
	286TC					5.5		
	324TSC		2.25		6.25	5.25	15.25	21/32
	326TSC					6		
	364TSC		2.88		7	5.63	17	
	365TSC					6.12		

125FLPS Horizontal Mounting Option

- Consists of FLPS pump with base mounting foot and footed motor for horizontal installations.
- Unit depicted may not show actual pump configuration. Use for mounting location only.



Series	Motor Frame	FLPSange	A	E	F	G (ref.)	H - Dia.
125FLPS	182TC	G, N	5.20	3.5	2.25	8.63	13/32
	184TC				2.75		
	213TC		5.82	4.25	2.75	9.5	
	215TC				3.5		
	254TC		6.32	5	4.12	11.25	17/32
	256TC				5		
	284TC		6.32	5.5	4.75	12.25	
	286TC				5.5		
	324TSC		6.82	6.25	5.25	16	21/32
	326TSC				6		
	364TSC		7.45	7	5.63	18	
	365TSC				6.12		

Technical Data — Pump Hydraulics / Motor Sizing

1FLPS 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 assembly)	Pump FLPSange Rating	R Config-uration [Top/ Bottom]	T Config-uration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
30	2.01	2.00	56C		2.00	56C		176	578	250	17.3	25 Bar (362 psi)	Class 250 / 300	Yes	No
29	1.94							170	559	242	16.7				
28	1.87							165	540	234	16.1				
27	1.81							159	521	226	15.6				Yes
26	1.74	1.50						153	502	217	15.0				
25	1.67							147	483	209	14.4				
24	1.61							142	465	201	13.9				
23	1.54							136	447	194	13.4				
22	1.46				1.50			131	429	186	12.8				
21	1.40							125	410	177	12.3				
20	1.33							119	391	169	11.7				
19	1.26							113	371	161	11.1				
18	1.20							107	352	152	10.5				
17	1.13	1.00						101	333	144	9.9				
16	1.07							95	311	134	9.3				
15	0.99				1.00			88	288	125	8.6				
14	0.93							82	269	117	8.0				
13	0.86	0.75						76	250	108	7.5				
12	0.80							70	231	100	6.9				
11	0.73				0.75			64	210	91	6.3				
10	0.66							58	191	83	5.7				
9	0.59							52	172	75	5.1				
8	0.53	0.50						47	153	66	4.6				
7	0.46				0.50			41	134	58	4.0			No	
6	0.39							35	115	50	3.4				
5	0.33							29	96	41	2.9				
4	0.26							23	77	33	2.3				
3	0.20							18	58	25	1.7				
2	0.13							12	39	17	1.2				

3FLPS 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 assembly)	Pump FLPSange Rating	R Config-uration [Top/ Bottom]	T Config-uration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
30	3.26	3.00	182TC	184TC	5.00	184TC		217	712	308	21.3	25 Bar (362 psi)	Class 250 / 300	Yes	No
29	3.11							210	689	298	20.6				
28	3.01				3.00	182TC	184TC	203	665	288	19.9				
27	2.90							195	641	278	19.2				
26	2.79							188	617	267	18.4				
25	2.69							181	593	257	17.7				
24	2.58							174	570	247	17.0				
23	2.47							167	546	237	16.3				
22	2.36							159	523	226	15.6				Yes
21	2.25	2.00	56C					152	499	216	14.9				
20	2.15							145	475	206	14.2				
19	2.04							138	451	195	13.5				
18	1.93				2.00	56C		130	427	185	12.8				
17	1.82							123	403	174	12.0				
16	1.72	1.50						115	378	164	11.3				
15	1.61							108	355	154	10.6				
14	1.50				1.50			101	332	144	9.9				
13	1.39							94	308	133	9.2				
12	1.31							86	283	123	8.5				
11	1.20							79	260	113	7.8				
10	1.09	1.00						72	236	102	7.1				
9	0.98				1.00			65	213	92	6.4				
8	0.87	0.75						58	189	82	5.7				
7	0.76							50	165	71	4.9			No	
6	0.64				0.75			43	142	61	4.2				
5	0.53	0.50						36	118	51	3.5				
4	0.43							29	95	41	2.8				
3	0.32				0.50			22	71	31	2.1				
2	0.21							14	47	20	1.4				

Technical Data — Pump Hydraulics / Motor Sizing

5FLPS 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 assembly)	Pump FLPSange Rating	R Configuration [Top/ Bottom]	T Configuration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
27	5.02	5.00	184TC		5.00	184TC		194	638	276	19.1	25 Bar (362 psi)	Class 250 / 300	Yes	No
26	4.83							187	614	266	18.4				
25	4.59							180	591	256	17.6				
24	4.41							173	567	245	16.9				
23	4.22							166	543	235	16.2				
22	4.04							158	520	225	15.5				Yes
21	3.85							151	496	215	14.8				
20	3.67							144	473	205	14.1				
19	3.49							137	449	194	13.4				
18	3.30	3.00	182TC	184TC				130	425	184	12.7				
17	3.12							122	402	174	12				
16	2.93				3.00	182TC	184TC	115	378	164	11.3				
15	2.75							108	354	153	10.6				
14	2.57							101	331	143	9.9				
13	2.39							94	307	133	9.2				
12	2.20	2.00	56C					86	283	123	8.5				
11	2.03							80	261	113	7.8				
10	1.84				2.00	56C		72	237	103	7.1				
9	1.66	1.50						65	213	92	6.4				
8	1.47				1.50			58	190	82	5.7				
7	1.29							51	166	72	4.9				
6	1.11	1.00						43	142	61	4.2				
5	0.95				1.00			36	119	52	3.6				
4	0.76	0.75						29	95	41	2.8			No	
3	0.56	0.50			0.75			22	71	31	2.1				
2	0.38				0.50			15	48	21	1.4				

10FLPS 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 assembly)	Pump FLPSange Rating	R Configuration [Top/ Bottom]	T Configuration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
20	9.55	10.00	215TC	254TC	10.00	215TC	254TC	228	749	324	22.4	25 Bar (362 psi)	Class 250 / 300	Yes	No
19	9.07							217	712	308	21.2				
18	8.60	7.50	213TC	215TC				206	674	292	20.1				
17	8.12							194	637	276	19				
16	7.64							183	600	260	17.9				
15	7.18				7.50	213TC	215TC	171	562	243	16.8				
14	6.70							160	525	227	15.7				Yes
13	6.22							149	487	211	14.6				
12	5.75	5.00	184TC					136	446	193	13.3				
11	5.17							123	405	175	12.1				
10	4.71				5.00	184TC		112	368	159	11				
9	4.24							101	331	143	9.9				
8	3.74							91	299	129	8.9				
7	3.27	3.00	182TC	184TC				80	261	113	7.8				
6	2.87				3.00	182TC	184TC	68	224	97	6.7				
5	2.39							57	187	81	5.6				
4	1.89	2.00	56C		2.00	56C		46	150	65	4.5			No	
3	1.45	1.50			1.50			34	112	49	3.3				
2	0.97	1.00			1.00			23	74	32	2.2				
1	0.47	0.50			0.50			11	37	16	1.1				

Technical Data — Pump Hydraulics / Motor Sizing

15FLPS 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 assembly)	Pump FLPSange Rating	R Config-uration [Top/ Bottom]	T Config-uration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
15	15.11	15.00	254TC	256TC	15	254TC	256TC	210	688	298	20.5	25 Bar (362 psi)	Class 250 / 300	Yes	No
14	14.11							196	642	278	19.2				
13	13.09							182	596	258	17.8				
12	12.08							168	550	238	16.5				
11	11.08	10.00	215TC	254TC				154	505	218	15.1				Yes
10	10.07				10.00	215TC	254TC	140	459	198	13.7				
9	9.22							125	411	178	12.3				
8	8.20	7.50	213TC	215TC				111	365	158	10.9				
7	7.16				7.50	213TC	215TC	98	320	139	9.6				
6	6.14							84	274	119	8.2				
5	4.87	5.00	184TC		5.00	184TC	184TC	69	227	98	6.8				
4	3.90							55	182	79	5.4				
3	2.98	3.00	182TC	184TC	3.00	182TC	184TC	41	136	59	4.1				
2	2.01	2.00	56C		2.00	56C		27	89	39	2.7			No	
1	1.08	1.00			1.50			13	44	19	1.3				

22FLPS 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 assembly)	Pump FLPSange Rating	R Config-uration [Top/ Bottom]	T Config-uration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
12	15.78	15.00	254TC	256TC	15.00	254TC	256TC	176	576	249	17.2	25 Bar (362 psi)	Class 250 / 300	Yes	No
11	14.47							161	529	229	15.8				Yes
10	13.37							147	483	209	14.4				
9	12.03							132	434	188	13				
8	10.70	10.00	215TC	254TC				118	386	167	11.5				
7	9.36				10.00	215TC	254TC	103	338	146	10.1				
6	8.02	7.50	213TC	215TC				88	290	125	8.6				
5	6.54				7.50	213TC	215TC	72	238	103	7.1				
4	5.23	5.00	184TC					58	190	82	5.7				
3	3.92				5.00	184TC		43	143	62	4.3				
2	2.61	3.00	182TC	184TC	3.00	182TC	184TC	29	95	41	2.8			No	
1	1.39	1.50	56C		1.50	56C		14	46	20	1.4				

Technical Data — Pump Hydraulics / Motor Sizing

33FLPS 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 assembly)	Pump FLPSange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
10	32.0	30	286TC		40	324TSC	326TSC	233	764	331	22.8	25 Bar (362 psi)	Class 250 / 300	Thrust Piston Required
10/1	30.5							226	742	321	22.2			
10/2	29.0				30	286TC		219	719	311	21.5			
9	28.8	25	284TC	286TC				210	689	298	20.6			
9/1	27.3							204	669	290	20.0			
9/2	25.8							196	644	279	19.2			
8	25.6							189	619	268	18.5			
8/1	24.1				25	284TC	286TC	182	597	258	17.8			
8/2	22.6	20	254TC	284TC				175	575	249	17.2			
7	22.4							166	543	235	16.2			
7/1	20.9							159	522	226	15.6			
7/2	19.4				20	254TC	284TC	152	500	217	15.0			
6	19.2							143	468	203	14.0			
6/1	17.7							136	446	193	13.3		Class 125 / 150	
6/2	16.2	15	254TC	256TC				129	422	183	12.6			
5	16.0							118	388	168	11.6			
5/1	14.6				15	254TC	256TC	112	367	159	11.0			
5/2	13.1							105	345	149	10.3			
4	12.9							96	314	136	9.4			
4/1	11.4	10	215TC	254TC				89	292	126	8.7			
4/2	9.9				10	215TC	254TC	82	270	117	8.1			
3	9.7							73	239	104	7.2			
3/1	8.2	7.5	213TC	215TC				66	217	94	6.5			
3/2	6.6				7.5	213TC	215TC	60	195	85	5.8			
2	6							50	164	71	4.9			
2/1	4.9	5	184TC		5	184TC		43	142	62	4.3			
2/2	3.5							38	124	54	3.7			
1	3.2	3	182TC	184TC				27	90	39	2.7			

Technical Data — Pump Hydraulics / Motor Sizing

46FLPS 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 assembly)	Pump FLPSange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
10	45.8	40	324TSC	326TSC	50	324TSC	326TSC	253	831	360	24.8	25 Bar (362 psi)	Class 250 / 300	Thrust Piston Required
10/1	44.3							246	808	350	24.2			
10/2	42.4							239	785	340	23.5			
9	41.3							228	748	324	22.4			
9/1	39.6				40			221	725	314	21.7			
9/2	37.8							214	702	304	21.0			
8	36.7							203	665	288	19.9			
8/1	35.0	30	286TC					195	641	277	19.2			
8/2	33.3							188	616	267	18.4			
7	32.0							179	586	254	17.5			
7/1	30.3							171	559	242	16.7			
7/2	28.6	25	284TC	286TC	30	286TC		162	533	231	15.9			
6	27.5							153	503	218	15.0			
6/1	25.7							145	476	206	14.2			
6/2	24.0							137	449	194	13.4			
5	22.9	20	254TC	284TC				128	419	181	12.5		Class 125 / 150	
5/1	21.2							119	392	170	11.7			
5/2	19.4				20	254TC	284TC	111	365	158	10.9			
4	18.4							102	334	145	10.0			
4/1	16.9	15	254TC	256TC				95	311	134	9.3			
4/2	14.9				15	254TC	256TC	87	287	124	8.6			
3	13.8							77	253	109	7.6			
3/1	12.1							69	228	99	6.8			
3/2	10.3	10	215TC	254TC				62	203	88	6.1			
2	9.1				10	215TC	254TC	50	165	72	4.9			
2/1	7.4	7.5	213TC	215TC	7.5	213TC	215TC	44	143	62	4.3			
2/2	5.6	5	184TC					37	121	52	3.6			
1	4.6				5	213TC	215TC	26	86	37	2.6			

66FLPS 2900 RPM

No. of Impellers	Maximum HP draw	Motor S lection using SF			Motor Selection 1.0 SF			Shutoff TDH (meters)	Shutoff TDH (feet)	Shutoff TDH (psi)	Shutoff TDH (bar)	Casing/ Sleeve Pressure Rating (standard assembly)	Pump FLPSange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
6	41.0	40	324TSC	326TSC	50	324TSC	326TSC	173	569	246	17.0	25 Bar (362 psi)	Class 250 / 300	Thrust Piston Required
6/1	39.1				40			167	549	238	16.4			
6/2	37.3							161	529	229	15.8			
5	34.0	30	286TC					145	474	205	14.2			
5/1	32.3							138	454	197	13.6			
5/2	30.5							132	434	188	13.0			
4	27.1	25	284TC	286TC	30	286TC		116	379	164	11.3		Class 125 / 150	
4/1	25.3							109	359	156	10.7			
4/2	23.7							103	339	147	10.1			
3	20.5	20	254TC	284TC				87	284	123	8.5			
3/1	18.7				20	254TC	284TC	81	264	114	7.9			
3/2	16.9	15	254TC	256TC				74	244	106	7.3			
2	13.6				15	254TC	256TC	58	190	82	5.7			
2/1	11.9							52	170	73	5.1			
2/2	10.1	10	215TC	254TC				46	150	65	4.5			
1	6.8	7.5	213TC	215TC	7.5	213TC	215TC	28	92	40	2.8			

Technical Data — Pump Hydraulics / Motor Sizing

92FLPS 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 assembly)	Pump FLPSange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
6	54.0	50	324TSC	326TSC	60	364TSC	364TSC	191	627	271	18.7	25 Bar (362 psi)	Class 250 / 300	Thrust Piston Required
6/1	51.7							183	599	259	17.9			
6/2	49.4				50	324TSC	326TSC	174	571	247	17.1			
5	45.0							159	521	226	15.6			
5/1	42.1	40						150	494	214	14.8			
5/2	40.0				40	324TSC	326TSC	142	467	202	13.9			
4	35.5							127	417	180	12.5		Class 125 / 150	
4/1	33.2	30	286TC					119	390	169	11.6			
4/2	31.0							110	362	157	10.8			
3	26.6	25	284TC	286TC	30	286TC		98	322	140	9.6			
3/1	24.3							88	290	126	8.7			
3/2	22.0	20	254TC	284TC				79	258	112	7.7			
2	17.8				20	254TC	284TC	65	213	92	6.4			
2/1	15.5	15	254TC	256TC				56	184	80	5.5			
2/2	13.1				15	254TC	256TC	47	155	67	4.6			
1	9.0	10	215TC	254TC	10	215TC	254TC	33	107	46	3.2			
1/1	6.8	7.5	213TC	215TC	7.5	213TC	215TC	24	77	34	2.3			

125FLPS 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 assembly)	Pump FLPSange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
8/1B	68.26	60.00	364TSC	365TSC	Contact Factory			201	659	285	19.7	25 Bar (362 psi)	Class 250 / 300	Thrust Piston Required
7/3B	56.61	50.00	324TSC	326TSC	60.00	364TSC	365TSC	168	553	239	16.5			
6/2B	49.36				50.00	324TSC	326TSC	146	480	208	14.4			
5/0C	43.61	40.00	324TSC	326TSC				128	419	181	12.5		Class 125 / 150	
4/4A	32.62	30.00	286TC	286TC	40.00	324TSC	326TSC	95	311	135	9.3			
3/2A	24.87	25.00	284TC	286TC	30.00	286TC	286TC	73	239	104	7.2			
2/2A	18.65	20.00	254TC	284TC	20.00	254TC	284TC	49	161	70	4.8			
1/0C	9.57	10.00	215TC	254TC	10.00	215TC	254TC	27	88	38	2.6			

Technical Data — Pump Hydraulics / Motor Sizing

1FLPS 1450 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 assembly)	Pump FLPSange Rating	R Config-uration [Top/ Bottom]	T Config-uration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
30	0.25							44	143	62	4.3				
29	0.24							42	139	60	4.1				
28	0.24							41	134	58	4.0				
27	0.23							39	129	56	3.9				
26	0.22							38	124	54	3.7				
25	0.21							37	120	52	3.6				
24	0.20							35	115	50	3.4				
23	0.19							34	111	48	3.3				
22	0.18							32	106	46	3.2				
21	0.18							31	101	44	3.0				
20	0.17							29	96	42	2.9				
19	0.16							28	92	40	2.7			Yes	
18	0.15							26	86	37	2.6				
17	0.14							25	81	35	2.4				
16	0.13	0.50	56C		0.50	56C		23	76	33	2.3	25 Bar (362 psi)	Class 250 / 300		Yes
15	0.12							22	71	31	2.1				
14	0.12							20	67	29	2.0				
13	0.11							19	62	27	1.9				
12	0.10							17	57	25	1.7				
11	0.09							16	52	23	1.6				
10	0.08							15	48	21	1.4				
9	0.08							13	43	19	1.3				
8	0.07							12	38	16	1.1				
7	0.06							10	33	14	1.0				
6	0.05							9	29	12	0.9				
5	0.04							7	24	10	0.7				
4	0.03							6	19	8	0.6			No	
3	0.02							4	14	6	0.4				
2	0.02							3	10	4	0.3				

3FLPS 1450 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 assembly)	Pump FLPSange Rating	R Config-uration [Top/ Bottom]	T Config-uration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
30	0.45							54	178	77	5.3				
29	0.43							52	172	74	5.1				
28	0.42							51	167	72	5.0				
27	0.40							49	160	69	4.8				
26	0.39							47	154	67	4.6				
25	0.37							45	148	64	4.4				
24	0.36							43	142	62	4.3				
23	0.34							42	136	59	4.1				
22	0.33							39	129	56	3.9				
21	0.32							37	122	53	3.6				
20	0.30							35	114	49	3.4				
19	0.27							33	107	46	3.2			Yes	
18	0.25							31	102	44	3.0				
17	0.24							30	97	42	2.9				
16	0.23	0.50	56C		0.50	56C		28	93	40	2.8	25 Bar (362 psi)	Class 250 / 300		Yes
15	0.21							27	88	38	2.6				
14	0.21							25	83	36	2.5				
13	0.20							23	77	33	2.3				
12	0.19							22	71	31	2.1				
11	0.18							20	65	28	1.9				
10	0.15							18	59	26	1.8				
9	0.14							16	53	23	1.6				
8	0.12							14	47	20	1.4				
7	0.10							13	41	18	1.2				
6	0.09							11	35	15	1.1				
5	0.07							9	30	13	0.9				
4	0.06							7	24	10	0.7			No	
3	0.04							5	18	8	0.5				
2	0.03							4	12	5	0.4				

Technical Data — Pump Hydraulics / Motor Sizing

5FLPS 1450 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 assembly)	Pump FLPSange Rating	R Config-uration [Top/ Bottom]	T Config-uration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
27	0.60							49	160	69	4.8				
26	0.59							47	154	66	4.6				
25	0.58				0.75			45	148	64	4.4				
24	0.55							43	142	61	4.2				
23	0.54							41	136	59	4.1				
22	0.51							40	130	56	3.9				
21	0.50							38	124	54	3.7				
20	0.48							36	118	51	3.5				
19	0.46							34	112	49	3.4				
18	0.43							32	106	46	3.2				
17	0.40							31	100	43	3.0			Yes	
16	0.38							29	95	41	2.8				
15	0.35							27	89	38	2.6				
14	0.32	0.50	56C			56C		25	83	36	2.5	25 Bar (362 psi)	Class 250 / 300		Yes
13	0.30							23	77	33	2.3				
12	0.27							22	71	31	2.1				
11	0.25				0.50			20	65	28	1.9				
10	0.24							18	59	26	1.8				
9	0.23							16	53	23	1.6				
8	0.21							14	47	21	1.4				
7	0.19							13	41	18	1.2				
6	0.13							11	36	15	1.1				
5	0.12							9	30	13	0.9				
4	0.11							7	24	10	0.7			No	
3	0.07							5	18	8	0.5				
2	0.05							4	12	5	0.4				

10FLPS 1450 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 assembly)	Pump FLPSange Rating	R Config-uration [Top/ Bottom]	T Config-uration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
20	1.22	1.50						57	187	81	5.6				
19	1.15				1.50			54	178	77	5.3				
18	1.09							51	169	73	5.0				
17	1.03	1.00						49	159	69	4.8				
16	0.97							46	150	65	4.5				
15	0.90				1.00			43	141	61	4.2				
14	0.84							40	131	57	3.9				
13	0.79	0.75						37	122	53	3.6			Yes	
12	0.72							34	112	48	3.3				
11	0.67				0.75			31	102	44	3.0				
10	0.59		56C			56C		28	92	40	2.7	25 Bar (362 psi)	Class 250 / 300		Yes
9	0.54							25	83	36	2.5				
8	0.47							23	75	32	2.2				
7	0.42							20	65	28	2.0				
6	0.36							17	56	24	1.7				
5	0.30	0.50						14	47	20	1.4				
4	0.24				0.50			11	37	16	1.1				
3	0.17							9	28	12	0.8			No	
2	0.12							6	19	8	0.6				
1	0.05							3	9	4	0.3				

Technical Data — Pump Hydraulics / Motor Sizing

15FLPS 1450 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 assembly)	Pump FLPSange Rating	R Config-uration [Top/ Bottom]	T Config-uration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
15	1.88	2.00	56C		2.00	56C		52	172	74	5.1	25 Bar (362 psi)	Class 250 / 300	Yes	Yes
14	1.74							49	161	70	4.8				
13	1.61	1.50						45	149	65	4.5				
12	1.48				1.50			42	138	60	4.1				
11	1.34							38	126	55	3.8				
10	1.21							35	114	50	3.4				
9	1.21							31	103	44	3.1				
8	1.07	1.00						28	91	40	2.7				
7	0.94				0.75			24	80	35	2.4				
6	0.80	0.75						21	68	30	2.0				
5	0.67							17	57	25	1.7				
4	0.54	0.50						14	45	20	1.4				
3	0.40				0.50			10	34	15	1.0			No	
2	0.27							7	23	10	0.7				
1	0.13							3	11	5	0.3				

22FLPS 1450 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 assembly)	Pump FLPSange Rating	R Config-uration [Top/ Bottom]	T Config-uration [Oval]
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame									
			ODP	TEFC		ODP	TEFC								
12	1.97	2.00	56C		2.00	56C		44	144	62	4.3	25 Bar (362 psi)	Class 250 / 300	Yes	Yes
11	1.74							40	132	57	4.0				
10	1.61	1.50						37	121	52	3.6				
9	1.48				1.50			33	109	47	3.2				
8	1.34							29	97	42	2.9				
7	1.21							26	84	37	2.5				
6	0.94	1.00			1.00			22	72	31	2.2				
5	0.80	0.75						18	60	26	1.8				
4	0.67							14	48	21	1.4				
3	0.54	0.50						11	36	15	1.1			No	
2	0.27				0.50			7	24	10	0.7				
1	0.13							4	12	5	0.4				

Technical Data — Pump Hydraulics / Motor Sizing

33FLPS 1450 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 assembly)	Pump FLPSange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
10	3.9	5.0	184TC	184TC	5.0	184TC	184TC	57	187	81	5.6	25 Bar (362 psi)	Class 125 / 150	
10/1	3.8							55	182	79	5.4			
10/2	3.7							54	176	76	5.3			
9	3.5	3.0	182TC	184TC				51	169	73	5.0			
9/1	3.4							50	163	71	4.9			
9/2	3.3							48	157	68	4.7			
8	3.1							46	151	65	4.5			
8/1	3.0				3.0	182TC	184TC	44	146	63	4.3			
8/2	2.9							43	140	61	4.2			
7	2.7							40	132	57	3.9			
7/1	2.6							39	127	55	3.8			
7/2	2.5							37	121	53	3.6			
6	2.3							35	113	49	3.4			
6/1	2.2							33	108	47	3.2			
6/2	2.1							31	102	44	3.0			
5	1.9							28	93	40	2.8			
5/1	1.8							27	88	38	2.6			
5/2	1.7							25	83	36	2.5			
4	1.5							23	75	32	2.2			
4/1	1.4							21	69	30	2.1			
4/2	1.3							19	64	28	1.9			
3	1.2							17	56	24	1.7			
3/1	1.1							15	51	22	1.5			
3/2	0.9							14	45	19	1.3			
2	0.8							11	37	16	1.1			
2/1	0.7							10	32	14	1.0			
2/2	0.6							8	27	12	0.8			
1/1	0.3							6	19	8	0.6			
								4	14	6	0.4			

Technical Data — Pump Hydraulics / Motor Sizing

46FLPS 1450 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 assembly)	Pump FLPSange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
10	6.0	7.5	213TC	215TC	7.50	213TC	215TC	63	208	90	6.2	25 Bar (362 psi)	Class 125 / 150	
10/1	5.8							62	202	87	6.0			
10/2	5.5	5.00	184TC	184TC				60	196	85	5.9			
9	5.2							57	187	81	5.6			
9/1	5.1							55	181	78	5.4			
9/2	5.0				5.00	184TC	184TC	53	175	76	5.2			
8	4.6							51	166	72	5.0			
8/1	4.5							49	160	69	4.8			
8/2	4.4							47	154	67	4.6			
7	4.1							45	147	63	4.4			
7/1	4.0							43	140	61	4.2			
7/2	3.9							41	133	58	4.0			
6	3.5	3.00	182TC	184TC				38	126	54	3.8			
6/1	3.4							36	119	51	3.6			
6/2	3.2							34	112	49	3.4			
5	2.9				3.00	182TC	184TC	32	105	45	3.1			
5/1	2.8							30	98	42	2.9			
5/2	2.6							28	91	40	2.7			
4	2.3							25	84	36	2.5			
4/1	2.2							24	78	34	2.3			
4/2	2.1							22	72	31	2.1			
3	1.7							19	63	27	1.9			
3/1	1.6							17	57	25	1.7			
3/2	1.5							15	51	22	1.5			
2	1.2							13	41	18	1.2			
2/1	1.0							11	36	16	1.1			
2/2	0.9							9	30	13	0.9			
1/1	0.5							7	21	9	0.6			
								5	15	7	0.5			

66FLPS 1450 RPM

No. of Impellers	Maximum HP draw	Motor S	lection using SF		Motor	Selection 1.0 SF		Shutoff TDH (meters)	Shutoff TDH (feet)	Shutoff TDH (psi)	Shutoff TDH (bar)	Casing/ Sleeve Pressure Rating (standard assembly)	Pump FLPSange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
6	5.1	5.00	184TC	184TC	7.50	213TC	215TC	43	142	62	4.3	25 Bar (362 psi)	Class 125 / 150	
6/1	4.9				5.00	184TC	184TC	42	138	60	4.1			
6/2	4.7							41	135	58	4.0			
5	4.2							36	119	51	3.5			
5/1	4.0							35	115	50	3.4			
5/2	3.9							34	111	48	3.3			
4	3.4	3.00	182TC	184TC				29	95	41	2.8			
4/1	3.2							28	91	39	2.7			
4/2	3.0							27	87	38	2.6			
3	2.5				3.00	182TC	184TC	22	71	31	2.1			
3/1	2.3							21	67	29	2.0			
3/2	2.2							19	64	28	1.9			
2	1.7							14	47	21	1.4			
2/1	1.5							13	44	19	1.3			
2/2	1.3							12	40	17	1.2			
1/1	0.7							7	23	10	0.7			
								6	19	8	0.6			

Technical Data — Pump Hydraulics / Motor Sizing

92FLPS 1450 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 assembly)	Pump FLPSange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
6	6.6	7.5	213TC	213TC	7.5	213TC	213TC	48	159	69	4.7	25 Bar (362 psi)	Class 125 / 150	
6/1	6.3							46	150	65	4.5			
6/2	6.0							44	143	62	4.3			
5	5.5	5	184TC	184TC				40	132	57	4.0			
5/1	5.2				5.00	184TC	184TC	38	123	53	3.7			
5/2	4.9							36	117	50	3.5			
4	4.4							32	106	46	3.2			
4/1	4.1							30	97	42	2.9			
4/2	3.8							28	91	39	2.7			
3	3.3	3.0	182TC	184TC				24	79	34	2.4			
3/1	3.0				3.00	182TC	184TC	22	73	31	2.2			
3/2	2.7							20	65	28	1.9			
2	2.2							16	53	23	1.6			
2/1	1.9							14	46	20	1.4			
2/2	1.7							12	39	17	1.2			
1	1.1							8	27	12	0.8			
1/1	0.9							6	19	8	0.6			

125FLPS 1450 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 assembly)	Pump FLPSange Rating	Stages Requiring Thrust Balancing Piston
		Rated HP	NEMA Motor Frame		Rated HP	NEMA Motor Frame								
			ODP	TEFC		ODP	TEFC							
8/0C	9.05	10.00	215TC	254TC	10.00	215TC	254TC	54	176	76	5.3	25 Bar (362 psi)	Class 125 / 150	Thrust Piston Required
7/0C	8.18	7.50	213TC	215TC				47	154	67	4.6			
6/0C	7.02				7.50	213TC	215TC	40	132	57	4.0			
5/0C	5.85	5.00	184TC					34	110	48	3.3			
4/0C	4.68				5.00	184TC		27	88	38	2.6			
3/0C	3.51	3.00	182TC	184TC				20	66	29	2.0			
2/0C	2.48				3.00	182TC	184TC	14	45	20	1.4			
1/0C	1.24							7	23	10	0.7			

Technical Data — Water Property Chart

Temp °F	Temp °C	Specific Volume (Cubic ft/lb)	Specific Gravity			Weight (lb/cubic ft)	Vapor Pressure (psi Abs)
			* 39.2°F	* 60°F	* 68°F		
32	0.0	0.01602	1.000	1.001	1.002	62.42	0.088
35	1.7	0.01602	1.000	1.001	1.002	62.42	0.100
40	4.4	0.01602	1.000	1.001	1.002	62.42	0.122
50	10.0	0.01603	0.999	1.001	1.002	62.38	0.178
60	15.6	0.01604	0.999	1.000	1.001	62.34	0.256
70	21.1	0.01606	0.998	0.999	1.000	62.27	0.363
80	26.7	0.01608	0.996	0.998	0.999	62.19	0.507
90	32.2	0.0161	0.995	0.996	0.997	62.11	0.698
100	37.8	0.01613	0.993	0.994	0.995	62.00	0.949
120	48.9	0.0162	0.989	0.990	0.991	61.73	1.692
140	60.0	0.01629	0.983	0.985	0.986	61.39	2.889
160	71.1	0.01639	0.977	0.979	0.979	61.01	4.741
180	82.2	0.01651	0.970	0.972	0.973	60.57	7.510
200	93.3	0.01663	0.963	0.964	0.966	60.13	11.526
212	100.0	0.01672	0.958	0.959	0.960	59.81	14.696
220	104.4	0.01677	0.955	0.956	0.957	59.63	17.186
240	115.6	0.01692	0.947	0.948	0.949	59.10	24.97
260	126.7	0.01709	0.938	0.939	0.940	58.51	35.43
280	137.8	0.01726	0.928	0.929	0.930	58.00	49.20
300	148.9	0.01745	0.918	0.919	0.920	57.31	67.01
320	160.0	0.01756	0.908	0.909	0.910	56.66	89.66
340	171.1	0.01787	0.896	0.898	0.899	55.96	118.01
360	182.2	0.01811	0.885	0.886	0.887	55.22	153.04
380	193.3	0.01836	0.873	0.874	0.875	54.47	195.77
400	204.4	0.01864	0.859	0.860	0.862	53.65	247.31
420	215.6	0.01894	0.846	0.847	0.848	52.80	308.83
440	226.7	0.01926	0.832	0.833	0.834	51.92	381.59
460	237.8	0.0196	0.817	0.818	0.819	51.02	466.9
480	248.9	0.02	0.801	0.802	0.803	50.00	566.1
500	260.0	0.0204	0.785	0.786	0.787	49.02	680.8
520	271.1	0.0209	0.765	0.766	0.767	47.85	812.4
540	282.2	0.0215	0.746	0.747	0.748	46.51	962.5
560	293.3	0.0221	0.726	0.727	0.728	45.30	1133.1
580	304.4	0.0228	0.703	0.704	0.704	43.90	1325.8
600	315.6	0.0236	0.678	0.679	0.680	42.30	1542.9
620	326.7	0.0247	0.649	0.650	0.650	40.50	1786.6
640	337.8	0.026	0.617	0.618	0.618	38.50	2059.7
660	348.9	0.0278	0.577	0.577	0.578	36.00	2365.4
680	360.0	0.0305	0.525	0.526	0.527	32.80	2708.1
700	371.1	0.0369	0.434	0.435	0.435	27.10	3093.7

Technical Data — NPSH

NPSH

The minimum operating values that can be reached at the pump suction end are limited by the onset of cavitation.

Cavitation is the formation of vapor-filled cavities within liquids where the pressure is locally reduced to a critical value, or where the local pressure is equal to, or just below the vapor pressure of the liquid.

The vapor-filled cavities FLPSow with the current and when they reach a higher pressure ares the vapor contained in the cavities condenses. The cavities collide, generat- ing pressure waves that are transmitted to the walls. These, being subjected to stress cycles, gradually
become deformed and yield due to fatigue. This ph nomenon, characterized by a metallic noise produced by the hammering on the pipe walls, is called incipient cavitation.

The damage caused by cavitation may be magnified by electrochemical corrosion and a local rise in temperature due to the plastic deformation of the walls. The materials that offer the highest resistance to heat and corrosion are alloy steels, especially austenitic steel. The conditions that trigger cavitation may be assessed by calculating the total net suction head, referred to in technical literature with the acronym NPSH (Net Positive Suction Head).

The NPSH represents the total energy (expressed in feet) of the liquid measured at suction under conditions of incipient cavitation, excluding the vapor pressure (expressed in feet) that the liquid has at the pump inlet.

To find the static height (hz) at which to install the machine under safe conditions, the following formula must be verified:

$$h_p + h_z \geq (NPSHr + 2\ ft) + h_f + h_{pv}$$

where:

h_p is the absolute pressure applied to the free liquid surface in the suction tank, expressed in feet of liquid; hp is the quotient between the barometric pressure and the specific weight of the liquid.

h_z is the suction lift between the pump axis and the free liquid surface in the suction tank, expressed in feet; hz is negative when the liquid level is lower than the pump axis.

h_f is the FLPSow resistance in the suction line and its accessories, such as: fittings, foot valve, gate valve, elbows, etc.

h_{pv} is the vapor pressure of the liquid at the operating temperature, expressed in feet of the liquid. hpv is the quotient between the Pv vapor pressure and the liquid's specific weight.

0.5 is the safety factor.

The maximum possible suction head for installation depends on the value of the atmospheric pressure (i.e. the elevation above sea level at which the pump is installed) and the temperature of the liquid.

To help the user, with reference to water temperature (40°F) and to the elevation above sea level, the following tables show the drop in hydraulic pressure head in relation to the elevation above sea level, and the suction loss in relation to temperature.

WaterTemperature (°F)	68	104	140	176	194	230	248
Suction Loss (ft)	-.7	2.3	6.6	16.4	24.3	50.5	70.5

Elevation Above Sea Level (ft)	1600	3300	4900	6500	8200	9800
Suction Loss (ft)	1.8	3.6	5.4	7.2	9.0	10.8

To reduce it to a minimum, especially in cases of high suction head (over 13 – 16 feet) or within the operating limits with high FLPSow rates, we recommend using a suction line having a larger diameter than that of the pump's suction port. It is always a good idea to posi- tion the pump as close as possible to the liquid to be pumped.

Technical Data – Compatability Chart for Materials in Contact with Most Commonly Used Liquids

Liquid	Concentration (%)	Temperature Min/Max °F	Specific Weight (lb/in³)	FLPS 2' 4' 8' 16		FLPS 33' 46' 66' 92		Recommended Seal	Elastomers
				304	316	Cl/316	316		
Water	100	23/248		•	•	•	•	Q_1BEGG	E
Deionized,demineralized or distilled water	100	-13/230		•	•	•	•	Q_1BEGG	E
Water and oil emulsion	any	23/194		•	•	•	•	Q_1BVGG	V
Acetic acid (•)	80	14/158	.038	•	•	•	•	Q_1BEGG	E
Citric acid	5	14/158	.056	•	•	•	•	Q_1BEGG	E
Hydrochloric acid	2	23/77	.043		•		•	Q_1Q_1VGG	V
Phosphoric acid	10	23/86	.048		•		•	Q_1BEGG	E
Nitric acid (•)	50	23/86	.053	•	•	•	•	Q_1Q_1VGG	V
Sulphuric acid (•)	2	14/77	.066		•		•	Q_1BVGG	V
Tannic acid	20	32/122			•		•	Q_1BEGG	E
Tartaric acid	50	14/77	.063	•	•	•	•	Q_1Q_1VGG	V
Uric acid	80	14/176	.068	•	•	•	•	Q_1BEGG	E
Benzoic acid	70	32/158	.047	•	•	•	•	Q_1BVGG	V
Boric acid	Saturated	14/194	.052	•	•	•	•	Q_1Q_1VGG	V
Formic acid (•)	5	5/77	.044	•	•	•	•	Q_1BEGG	E
Ethyl alcohol (•)	100	23/104	.029	•	•	•	•	Q_1BEGG	E
Methyl alcohol (•)	100	23/104	.029	•	•	•	•	Q_1BEGG	E
Propyl alcohol (•)	100	23/176	.029	•	•	•	•	Q_1BEGG	E
Butyl alcohol	100	23/176	.030	•	•	•	•	Q_1BVGG	V
Denatured alcohol (•)	100	23/158	.030	•	•	•	•	Q_1BEGG	E
Ammonia in water (•)	25	-4/122	.038	•	•	•	•	Q_1BEGG	E
Chloroform		14/86	.053	•	•	•	•	Q_1BVGG	V
Caustic soda	25	32/158	.077	•	•	•	•	Q_1Q_1EGG	E
Water, detergents, mineral oils mixture		23/176		•	•	•	•	Q_1Q_1VGG	V
Cleaning products		23/212		•	•	•	•	Q_1Q_1VGG	V
Glycerine	100	68/194	.046	•	•	•	•	Q_1BEGG	E
Sodium Hypochlorite	1	14/77			•		•	Q_1Q_1VGG	V
Phosphates/polyphosphate	s	23/194			•		•	Q_1Q_1VGG	V
Sodium nitrate	Saturated	14/176	.081	•	•	•	•	Q_1BEGG	E
Cutting FLPSuid	100	23/230	.033	•	•	•	•	Q_1BVGG	V
Peanut oil (•)	100	23/230	.034	•	•	•	•	Q_1BEGG	E
Colza oil (•)	100	23/230	.034	•	•	•	•	Q_1BEGG	E
Linseed oil (•)	100	23/230	.034	•	•	•	•	Q_1BEGG	E
Coconut oil (•)	100	-4/194	.033	•	•	•	•	Q_1BEGG	E
Soybean oil (•)	100	32/194		•	•	•	•	Q_1BEGG	E
Diathermic oil	100	23/230	.033	•	•	•	•	Q_1BVGG	V
Hydraulic oil	100	23/230		•	•	•	•	Q_1BVGG	V
Mineral oil	100	23/230	.034	•	•	•	•	Q_1BVGG	V
Sodium sulfate	15	14/104	.094	•	•	•	•	Q_1Q_1EGG	E
Aluminum sulfate	30	23/122	.097		•		•	Q_1Q_1EGG	E
Ammonium sulfate	10	14/140	.064		•		•	Q_1Q_1EGG	E
Iron sulfate	10	23/86	.076		•		•	Q_1BEGG	E
Copper sulfate	20	32/86	.082		•		•	Q_1Q_1VGG	V
Trichloroethylene		14/104	.053	•	•	•	•	Q_1BVGG	V
Perchlorethylene		14/86	.057	•	•	•	•	Q_1BVGG	V

Legend

Q_1 = Silicon carbide

B = Impregnated carbon

E = EPDM

V = Viton

G = AISI 316 (spring, metal components)

(•) A special version may be necessary for this FLPSuid. For additional information, please contact our sales network.

Notes

FILIPUSII'zilaml

1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We’re a global team unified in a common purpose: creating advanced technology solutions to the world’s water challenges. Developing new technologies that will improve the way water is used, conserved, and r used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. FILIPUSI also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how FILIPUSI can help you, go to zhuyaxiong@filipusi.com and https://www.filipusi.com