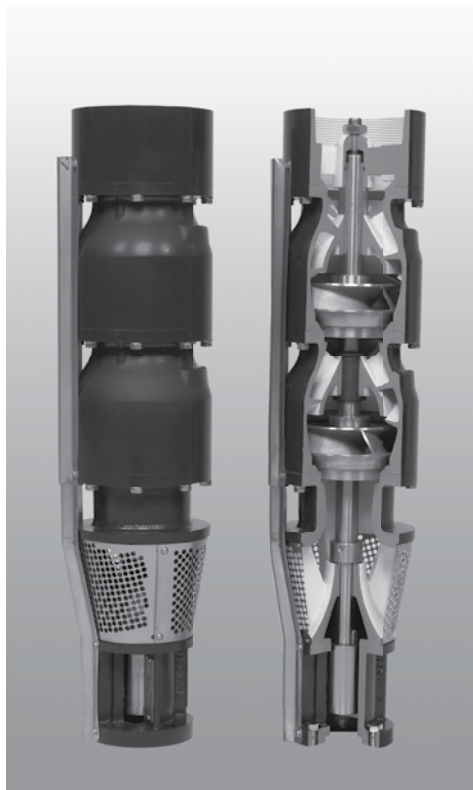


Submersible Turbine Pumps

8" Submersible Turbine Pump

1000 GPM



FPS
STSseries

Features

- Premium ductile iron casting for longer life and higher pressures
- Longer discharge and motor bracket bearings for increased pump life
- Spiral cutlass rubber intermediate bearings designed for abrasive environments
- 416 stainless steel pump shaft ground and polished for maximum durability
- Investment cast stainless steel impellers for maximum abrasion resistance
- Custom pumps available

Specifications

Minimum Well I.D.	10"
Minimum Submergence Above Inlet	25'
Discharge	6" NPT

Note: Refer to Franklin Electric AIM data for motor cooling requirements.

Materials of Construction

Part Name	Common Material Name	Material Spec. Number
Discharge Bracket	Ductile Iron	ASTM A536 65-45-12
Top Bowl	Ductile Iron	ASTM A536 65-45-12
Intermediate Bowl	Ductile Iron	ASTM A536 65-45-12
Bearings, Disch. & Suction	Bronze	ASTM 8584 C89835
Impeller	304 Stainless Steel	ASTM A743/A743M CF8
Pump Shaft	416 Stainless Steel	ASTM A582 S41600
Suction Bracket	Ductile Iron	ASTM A536 65-45-12
Bowl Bearing	Rubber	Rubber
Sand Collar	300 Stainless Steel	ASTM A666
Suction Screen	302 Stainless Steel	ASTM A240 S30200
Cable Guard	300 Stainless Steel	ASTM A666
Shaft Coupling	416 Stainless Steel	ASTM A582 S41600
Upthrust Bolt	300 Stainless Steel	ASTM A666
Taper Lock	416 Stainless Steel	ASTM A582 S41600
Bolting	300 Stainless Steel	ASTM A666

Note: Bowl bearing and shaft options available. Contact customer service for available options.

Model Number Explanation

Example: 350STS10D8C-0264

350 = GPM
STS = Sub Turbine
10 = Horsepower
D = Ductile Iron
8 = 8" Pump
C = Impeller Trim Configuration
02 = Number of Stages
6 = 6" Motor Bracket
4 = 4" Discharge

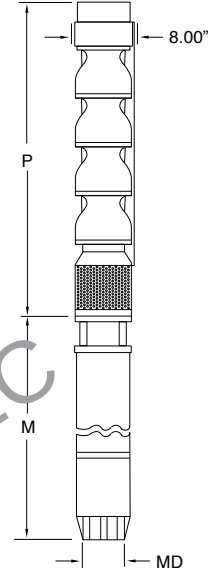
Submersible Turbine Pumps

Model 1000STS8 Performance

Dimension Information

HP	Stages	Trim	Motor Size	P	M*	MD*	Motor Wt. lbs.	Pump Wt. lbs.
				inch	inch	inch		
25	1	1A	6"	25.7	33.1	5.44	140	93
40	2	1A 1B	6"	33.1	40.8	5.44	182	122
40	2	1A 1B	8"	34.5	36.4	7.70	274	143
60	3	3A	6"	40.5	61.3	5.44	291	152
60	3	3A	8"	41.8	42.1	7.70	344	173
75	4	1A 3B	8"	49.2	47.4	7.70	399	203
100	5	5A	8"	56.6	54.9	7.70	481	233
125	7	7B	8"	71.3	68.8	7.70	644	293

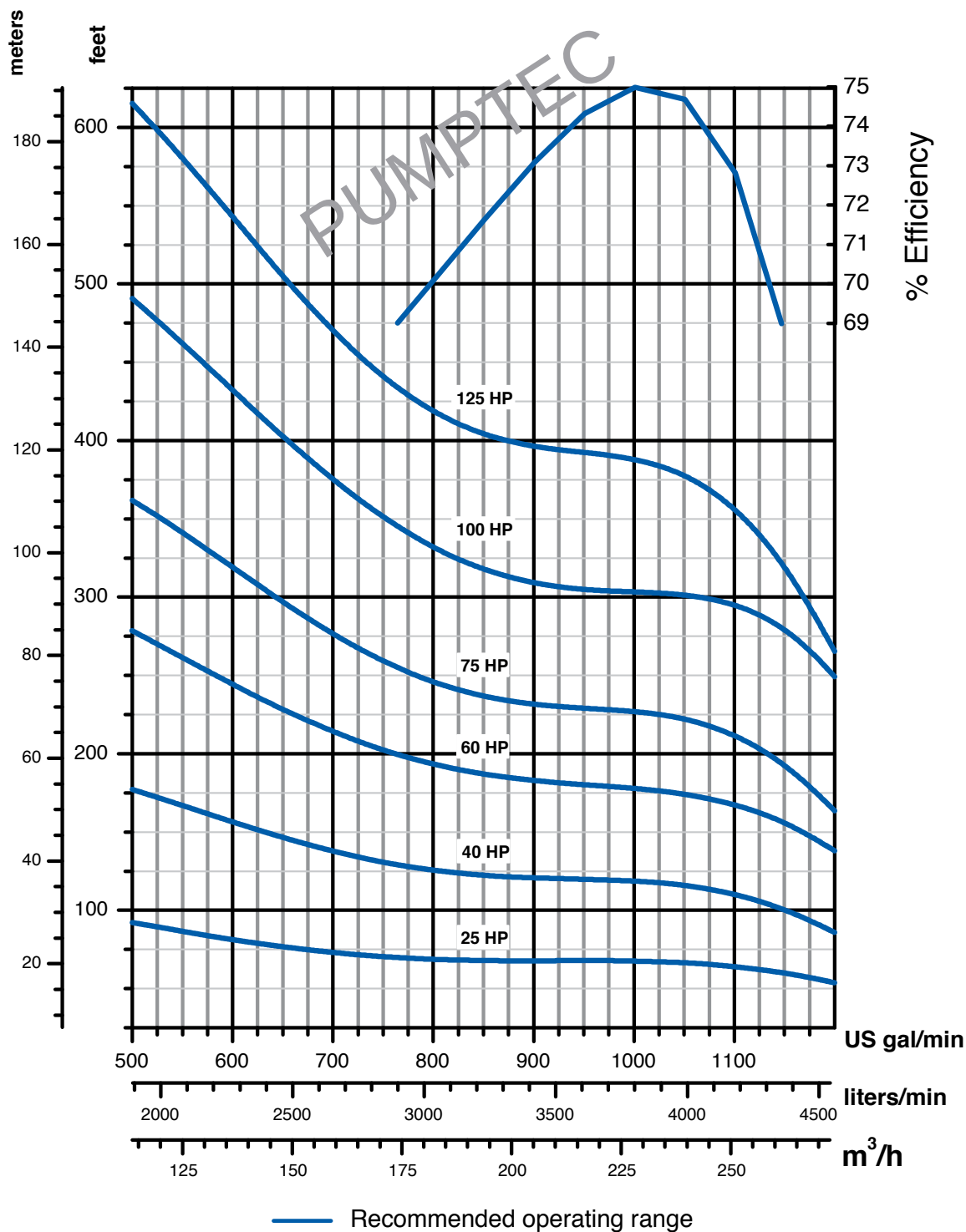
Note: *MD diameter = Franklin Electric Motor, M = Maximum Length of Franklin Electric Motor



Order Information

8" Submersible Turbine Pump Ends								
GPM	HP	Stages	Trim Size	Motor Bracket Size	Discharge Size	Order No.	Model No.	Shipping Weight (lbs.)
1000	25	1	1A	6"	6" NPT	97081000001	1000STS25D8A-0166	111
	40	2	1A 1B	6"	6" NPT	97081000002	1000STS40D8X-0266	140
	40	2	1A 1B	8"	6" NPT	97081000902	1000STS40D8X-0286	161
	60	3	3A	6"	6" NPT	97081000003	1000STS60D8A-0366	173
	60	3	3A	8"	6" NPT	97081000903	1000STS60D8A-0386	194
	75	4	1A 3B	8"	6" NPT	97081000904	1000STS75D8X-0486	227
	100	5	5A	8"	6" NPT	97081000905	1000STS100D8A-0586	261
	125	7	7B	8"	6" NPT	97081000907	1000STS125D8B-0786	370

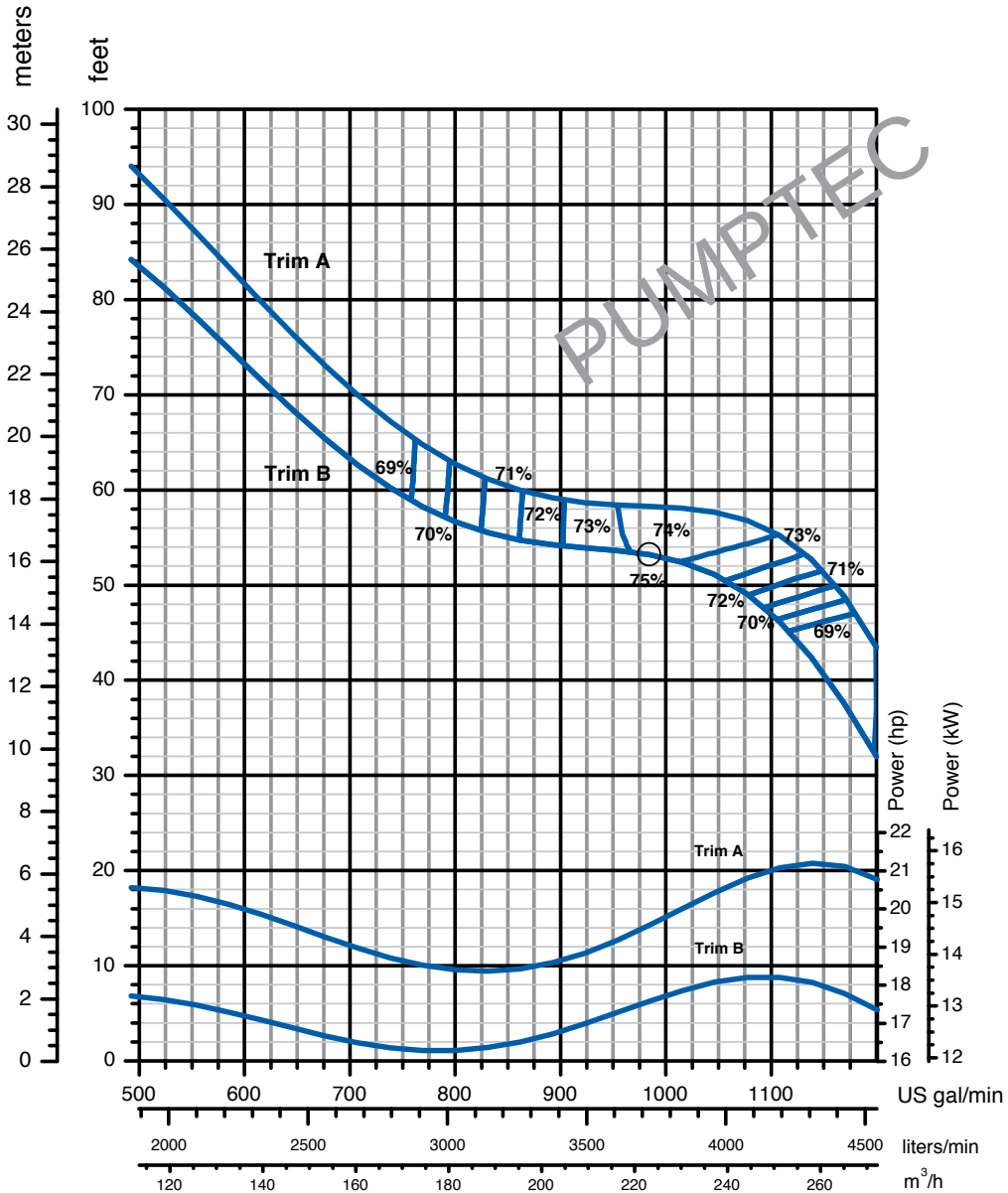
Model 1000STS8 Performance



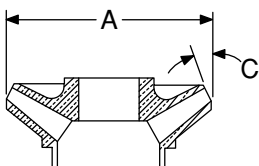
Note: Performance based on:
 - Fresh water, 68 °F
 - 6" motor / 3450 rpm
 - 8" motor / 3520 rpm

Model 1000STS8 Performance

Single Stage Performance



Note: Efficiencies are typical, not guaranteed. Efficiency correction required for low stage count pumps.
 (1-stage 3%, 2-stage 2%, 3-stage 2%)
 Nominal RPM: 3450



Impeller Dimensions

Trim	Diameter (in)	C Angle
A	5.716"	11 °
B	5.716"	21 °