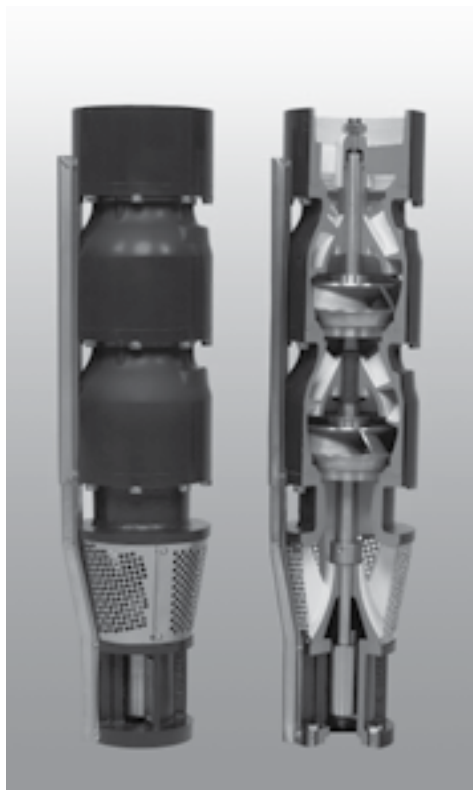


Submersible Turbine Pumps

8" Submersible Turbine Pump

225 GPM



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.	8"
Minimum Submergence Above Inlet	10'
Discharge	4" or 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 225STS8 Performance

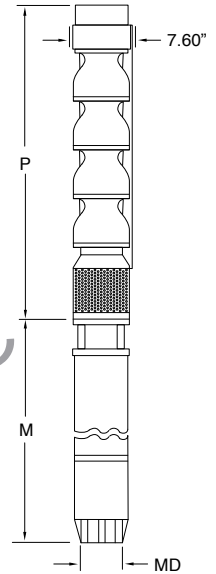
Dimension Information

HP	Stages	Trim	Motor Size	P	M*	MD*	Motor Wt.	Pump Wt.
				inch	inch	inch	lbs.	lbs.
5	1	1C	6"	23.83	22.9	5.44	86	95
7.5	1	1A	6"	23.83	24.2	5.44	99	95
10	2	2C	6"	29.34	25.4	5.44	103	122
15	2	2A	6"	29.34	28.0	5.44	114	122
20	3	2A 1B	6"	34.85	30.6	5.44	126	150
25	4	4B	6"	40.37	33.1	5.44	140	177
30	5	1A 3B 1C	6"	45.88	35.7	5.44	154	204

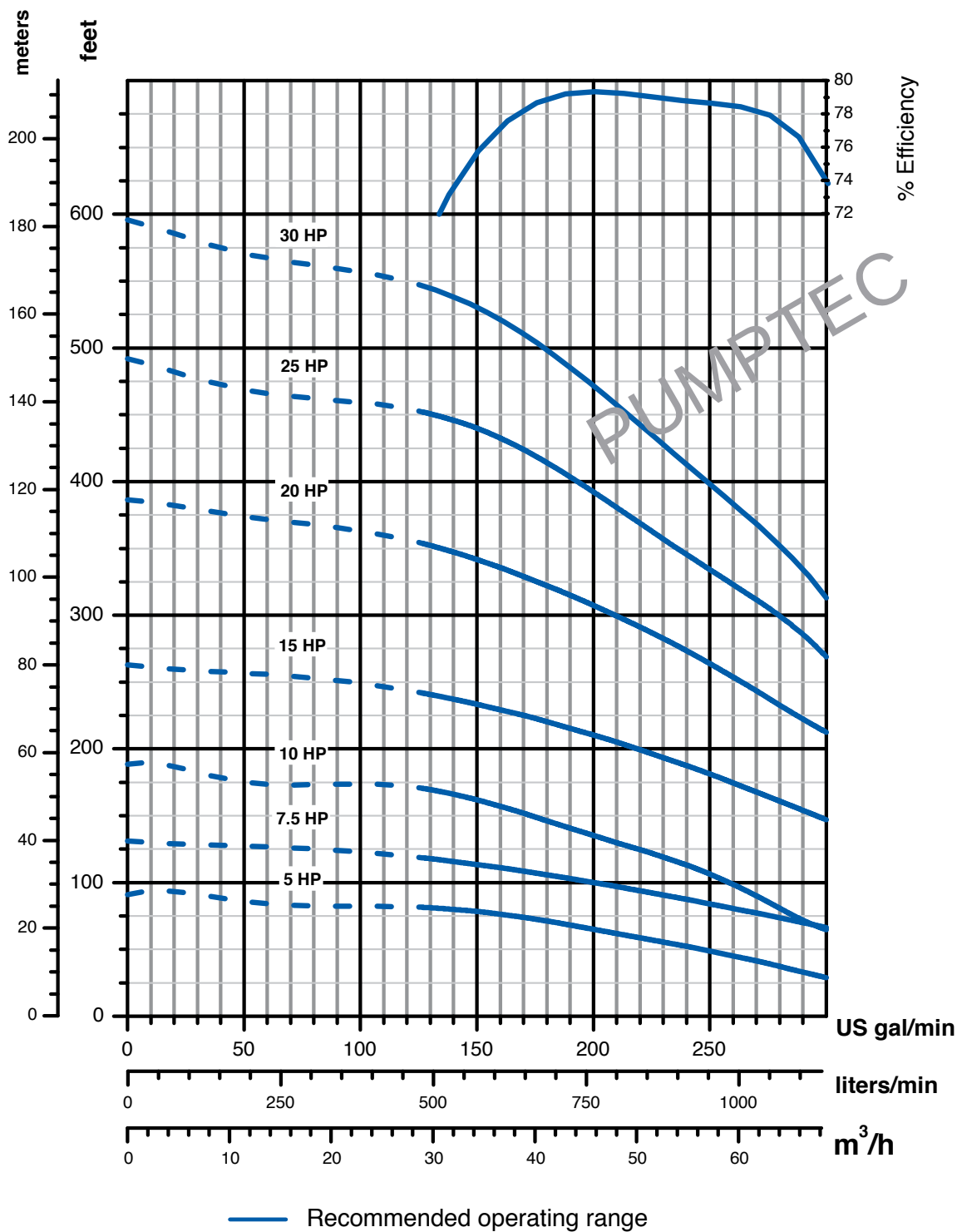
Note: *MD diameter = Franklin Electric Motor, M = Maximum Length of Franklin Electric Motor

Order Information

8" Submersible Turbine Pump Ends								
GPM	HP	Stages	Trim Size	Motor Bracket Size	Discharge Size	Order No.	Model No.	Shipping Weight (lbs.)
225	5	1	1C	6"	4" NPT	97080225001	225STS5D8C-0164	111
	5	1	1C	6"	6" NPT	97080225101	225STS5D8C-0166	111
	7.5	1	1A	6"	4" NPT	97080225201	225STS7D8A-0164	111
	7.5	1	1A	6"	6" NPT	97080225301	225STS7D8A-0166	111
	10	2	2C	6"	4" NPT	97080225002	225STS10D8C-0264	140
	10	2	2C	6"	6" NPT	97080225102	225STS10D8C-0266	140
	15	2	2A	6"	4" NPT	97080225202	225STS15D8A-0264	140
	15	2	2A	6"	6" NPT	97080225302	225STS15D8A-0266	140
	20	3	2A 1B	6"	4" NPT	97080225003	225STS20D8X-0364	171
	20	3	2A 1B	6"	6" NPT	97080225103	225STS20D8X-0366	171
	25	4	4B	6"	4" NPT	97080225004	225STS25D8B-0464	198
	25	4	4B	6"	6" NPT	97080225104	225STS25D8B-0466	198
	30	5	1A 3B 1C	6"	4" NPT	97080225005	225STS30D8X-0564	228
	30	5	1A 3B 1C	6"	6" NPT	97080225105	225STS30D8X-0566	228



Model 225STS8 Performance



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

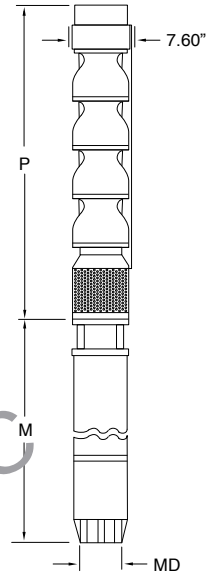
Submersible Turbine Pumps

Model 225STS8 Performance

Dimension Information

HP	Stages	Trim	Motor Size	P	M*	MD*	Motor Wt. lbs.	Pump Wt. lbs.
				inch	inch	inch		
40	6	1A 5B	6"	51.39	40.8	5.44	182	232
40	6	1A 5B	8"	52.77	36.4	7.70	274	254
50	7	6A 1B	6"	56.90	55.3	5.44	263	259
50	7	6A 1B	8"	58.28	39.4	7.70	309	282
60	9	1A 8B	6"	67.93	61.3	5.44	291	313
60	9	1A 8B	8"	69.31	42.1	7.70	344	336
75	10	10A	8"	74.82	47.4	7.70	399	363
100	14	10A 4B	8"	96.87	54.9	7.70	481	473
125	17	17A	8"	113.40	68.8	7.70	644	554

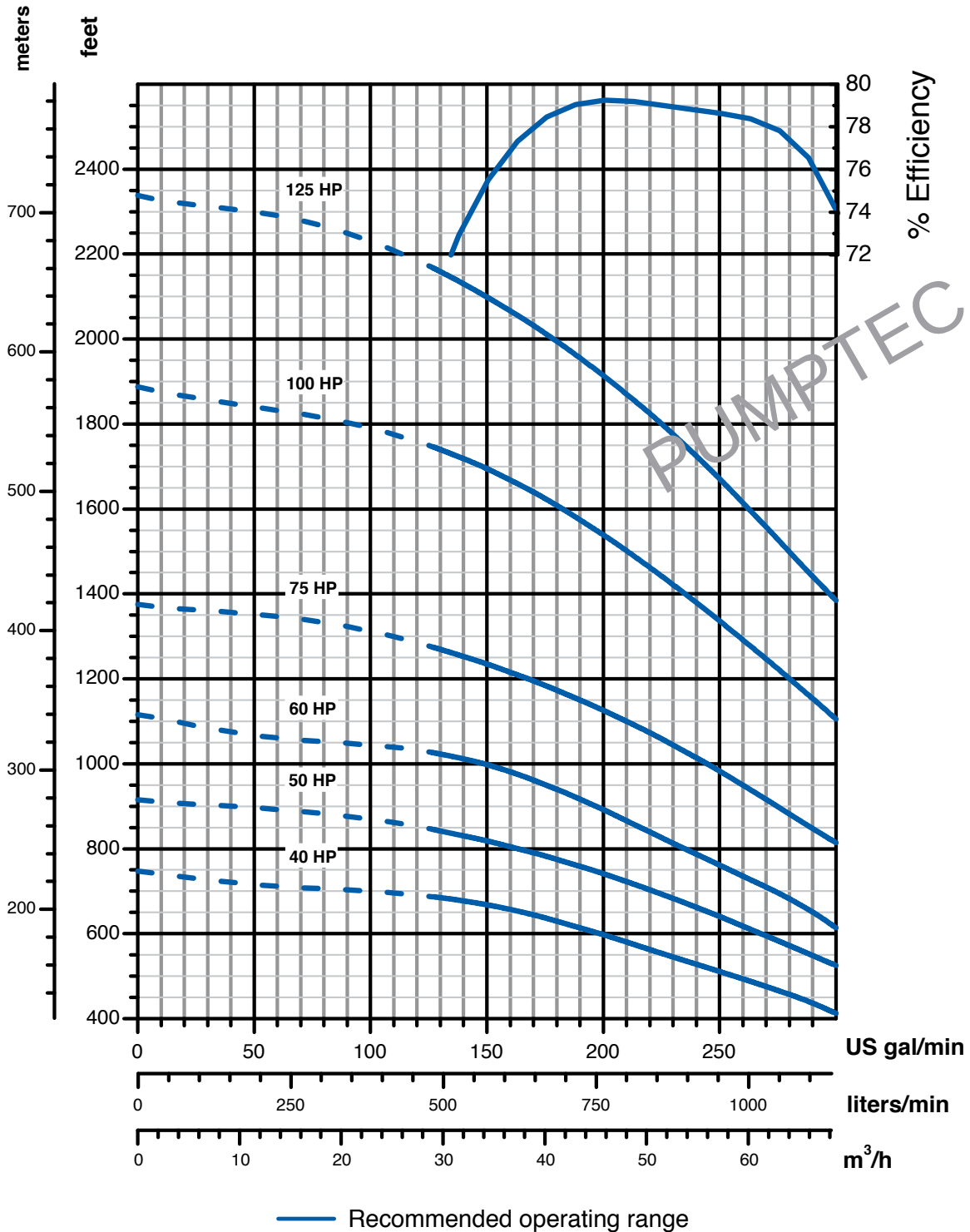
Note: *MD diameter = Franklin Electric Motor, M = Maximum Length of Franklin Electric Motor



Order Information

8" Submersible Turbine Pump Ends								
GPM	HP	Stages	Trim Size	Motor Bracket Size	Discharge Size	Order No.	Model No.	Shipping Weight (lbs.)
225	40	6	1A 5B	6"	4" NPT	97080225006	225STS40D8X-0664	260
	40	6	1A 5B	6"	6" NPT	97080225106	225STS40D8X-0666	260
	40	6	1A 5B	8"	4" NPT	97080225806	225STS40D8X-0684	282
	40	6	1A 5B	8"	6" NPT	97080225906	225STS40D8X-0686	282
	50	7	6A 1B	6"	4" NPT	97080225007	225STS50D8X-0764	287
	50	7	6A 1B	6"	6" NPT	97080225107	225STS50D8X-0766	287
	50	7	6A 1B	8"	4" NPT	97080225807	225STS50D8X-0784	310
	50	7	6A 1B	8"	6" NPT	97080225907	225STS50D8X-0786	310
	60	9	1A 8B	6"	4" NPT	97080225009	225STS60D8X-0964	378
	60	9	1A 8B	6"	6" NPT	97080225109	225STS60D8X-0966	378
	60	9	1A 8B	8"	4" NPT	97080225809	225STS60D8X-0984	401
	60	9	1A 8B	8"	6" NPT	97080225909	225STS60D8X-0986	401
	75	10	10A	8"	4" NPT	97080225810	225STS75D8A-1084	440
	75	10	10A	8"	6" NPT	97080225910	225STS75D8A-1086	440
	100	14	10A 4B	8"	4" NPT	97080225814	225STS100D8X-1484	562
	100	14	10A 4B	8"	6" NPT	97080225914	225STS100D8X-1486	562
	125	17	17A	8"	4" NPT	97080225817	225STS125D8A-1784	662
	125	17	17A	8"	6" NPT	97080225917	225STS125D8A-1786	662

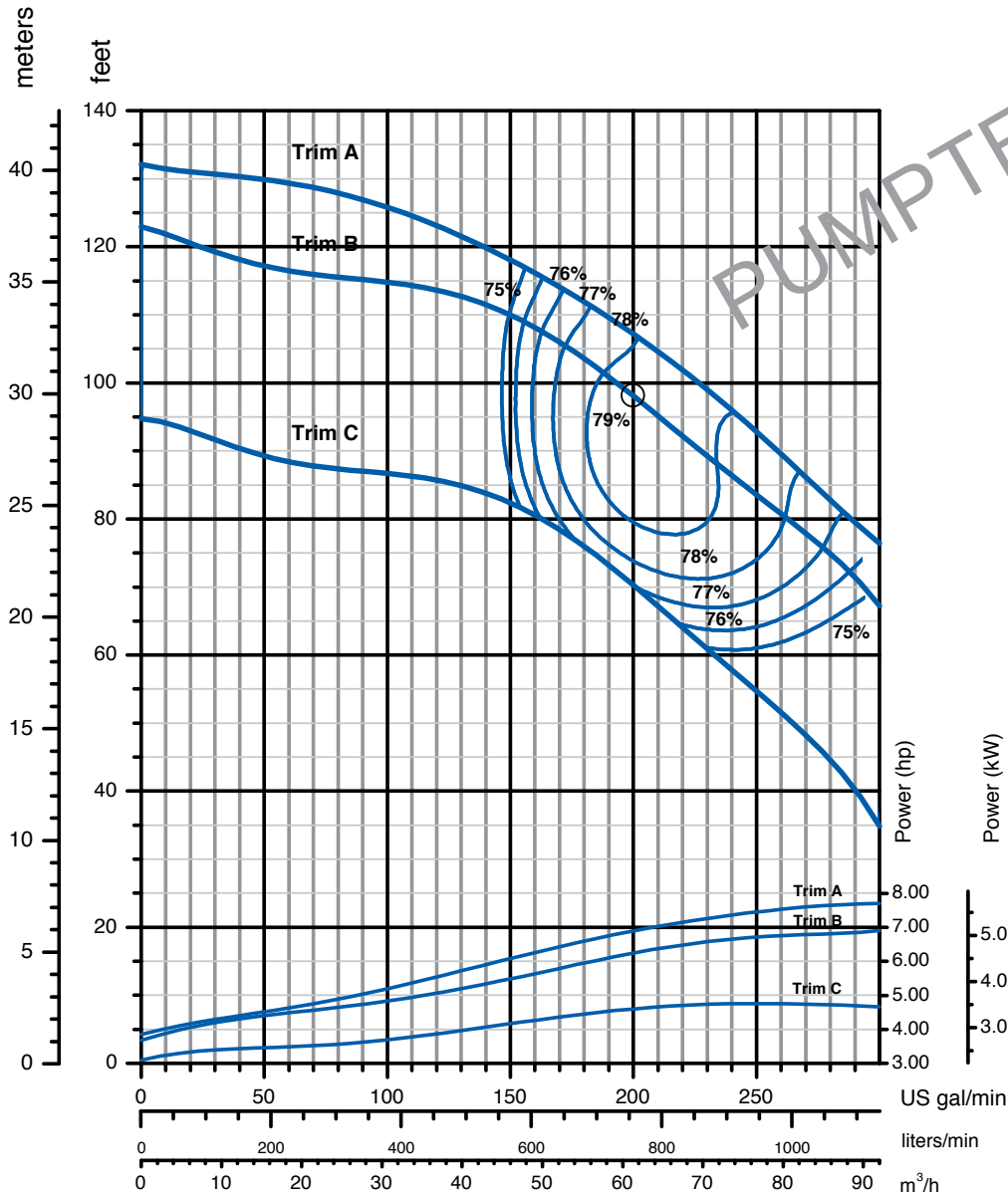
Model 225STS8 Performance



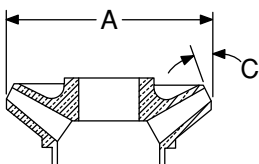
Note: Performance based on:
 - Fresh water, 68 °F
 - 6" motor / 3450 rpm
 - 8" motor / 3520 rpm

Model 225STS8 Performance

Single Stage Performance



Note: Efficiencies are typical, not guaranteed. Efficiency correction required for low stage count pumps.
 (1-stage 5%, 2-stage 3%, 3-stage 1%)
 Bowl #13 begins transition to double-bolted (8 bolts @ bottom, 16 bolts @ top)
 Nominal RPM: 3450



Impeller Dimensions

Trim	Diameter (in)	C Angle
A	5.705"	20 °
B	5.561"	20 °
C	5.083"	20 °