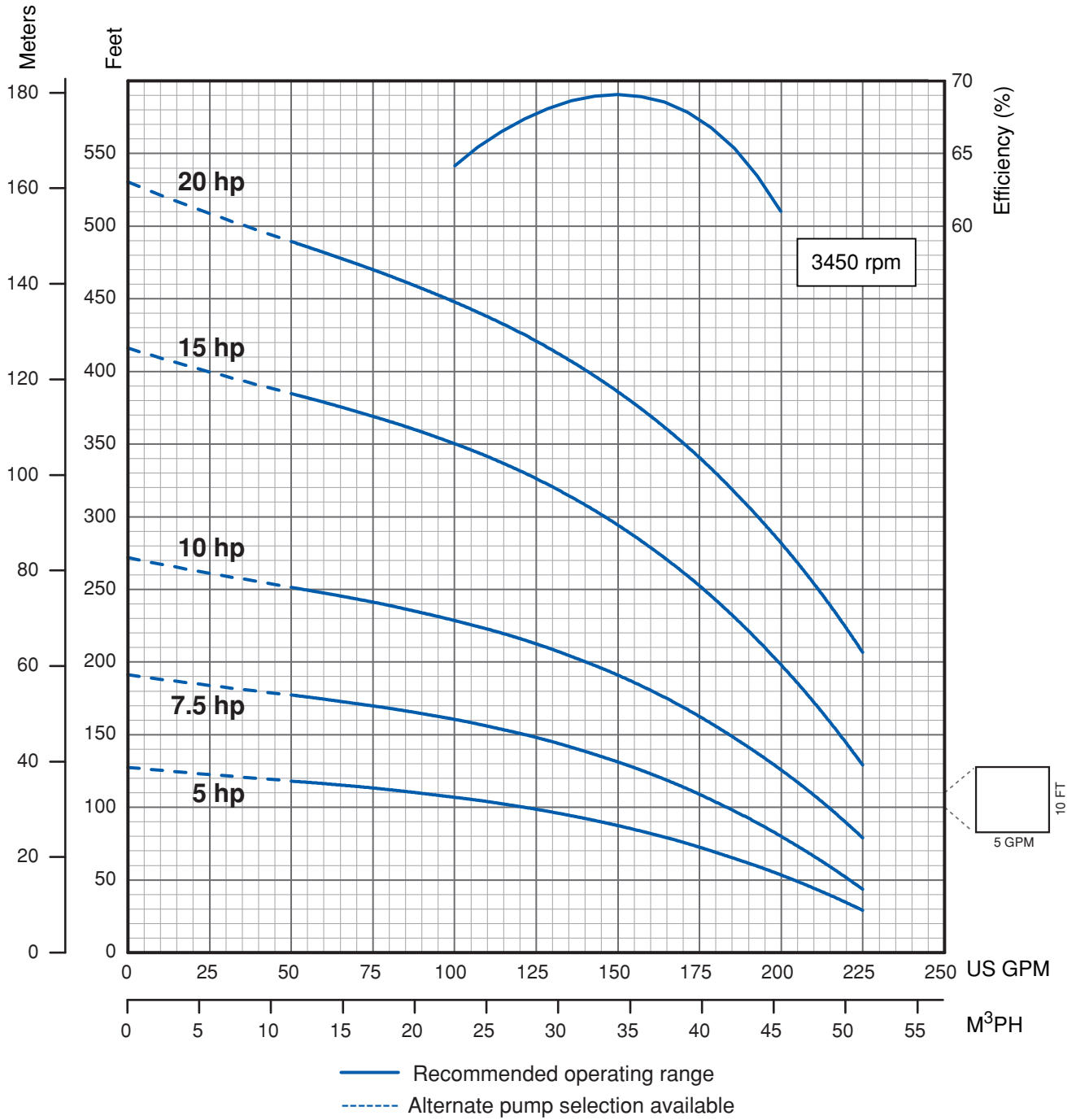


Model 175ST6 Performance

PAGE: SP-215
DATE: Mar 1, 2009



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



Submersible Turbine Pumps

Model 175ST6 Performance

Dimension Information

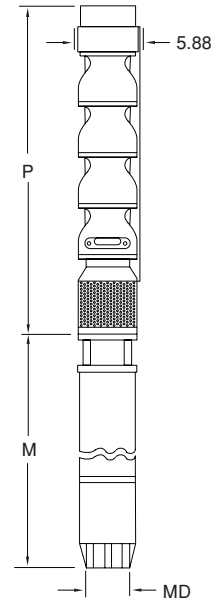
HP	Stages	Trim	Motor Size	P	M*	MD*	Motor Wt	Pump Wt
				Inches	Inches	Inches	Lbs.	Lbs.
5	2	B	6"	26.32	22.90	5.38	101	65
7.5	3	B	6"	31.07	24.20	5.38	108	77
10	4	1A, 3B	6"	35.82	25.40	5.38	116	89
15	6	2A, 4B	6"	45.32	28.00	5.38	129	114
20	7	5A, 2B	6"	50.02	30.56	5.38	135	126

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

Specifications

Minimum Well I.D.	6"
Minimum Submergence Above Inlet Discharge	10 Feet 4" NPT
Maximum Working Pressure	Standard: 350 psi Double Bolted: 675 psi

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



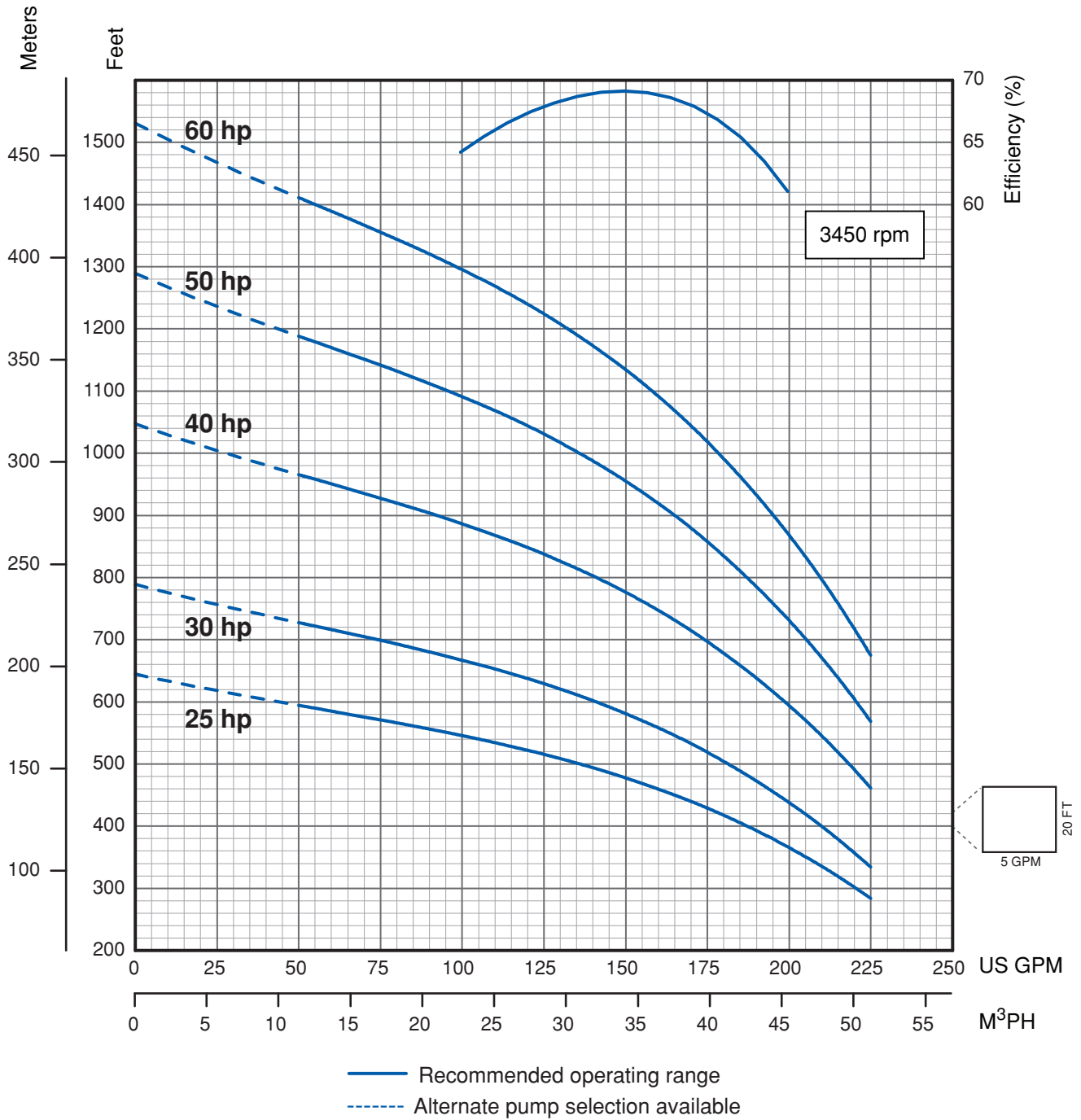
Materials of Construction

Part Name	Common Material Name	Material Spec Number
Discharge Bracket	Ductile Iron	A536 65-45-12
Top Bowl	Ductile Iron	A536 65-45-12
Intermediate Bowl	Ductile Iron	A536 65-45-12
Bearings, Disch. & Suction	Bronze	B505 C932
Impeller	Stainless Steel	A743 CF-8
Pump Shaft	Stainless Steel	A582 416
Suction Bracket	Ductile Iron	A536 65-45-12
Bowl Bearing	Rubber	Nitrile
Sand Collar	Stainless Steel	A276
Suction Screen	Stainless Steel	A666
Cable Guard	Stainless Steel	A666
Shaft Coupling	Stainless Steel	A276
Upthrust Bolt	Stainless Steel	A320 304
Taper Lock	Stainless Steel	A276
Bolting	Stainless Steel	A320 304



Model 175ST6 Performance

PAGE: SP-217
DATE: Mar 1, 2009



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



Submersible Turbine Pumps

Model 175ST6 Performance

Dimension Information

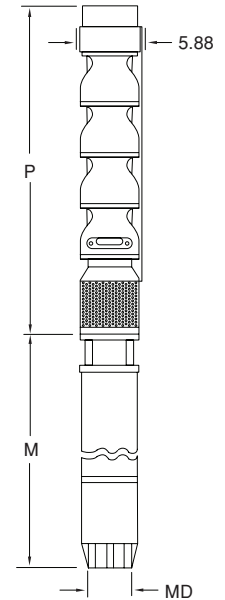
HP	Stages	Trim	Motor Size	P	M*	MD*	Motor Wt	Pump Wt
				Inches	Inches	Inches	Lbs.	Lbs.
25	8	A	6"	54.82	33.10	5.38	148	138
30	10	9A, 1B	6"	64.27	35.70	5.38	162	162
40	13	A	6"	78.52	40.80	5.38	195	199
50	16	A	6"	92.82	57.80	5.38	310	235
60	19	A	6"	107.07	63.80	5.38	340	271

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

Specifications

Minimum Well I.D.	6"
Minimum Submergence Above Inlet Discharge	10 Feet
Maximum Working Pressure	4" NPT
	Standard: 350 psi Double Bolted: 675 psi

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



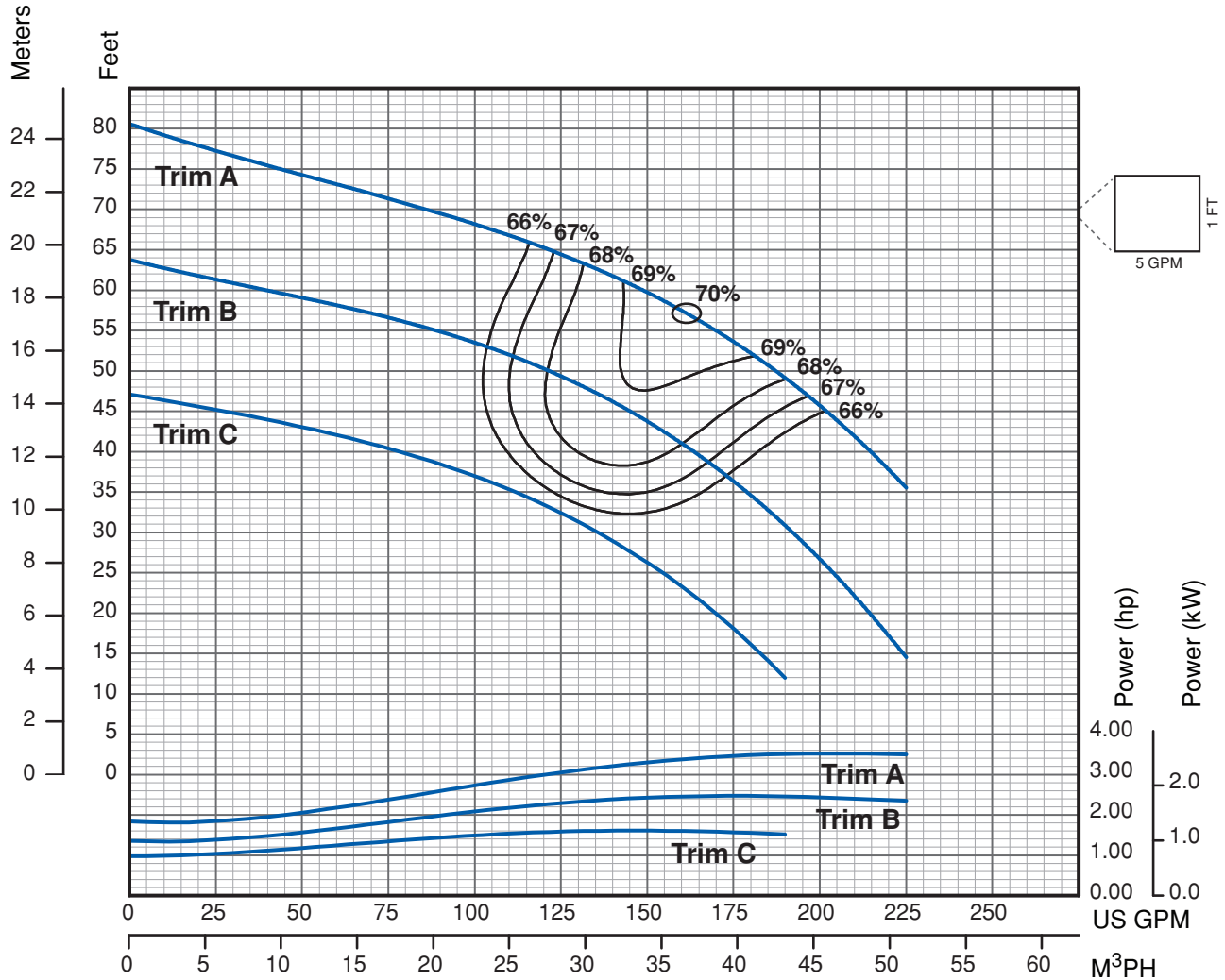
Materials of Construction

Part Name	Common Material Name	Material Spec Number
Discharge Bracket	Ductile Iron	A536 65-45-12
Top Bowl	Ductile Iron	A536 65-45-12
Intermediate Bowl	Ductile Iron	A536 65-45-12
Bearings, Disch. & Suction	Bronze	B505 C932
Impeller	Stainless Steel	A743 CF-8
Pump Shaft	Stainless Steel	A582 416
Suction Bracket	Ductile Iron	A536 65-45-12
Bowl Bearing	Rubber	Nitrile
Sand Collar	Stainless Steel	A276
Suction Screen	Stainless Steel	A666
Cable Guard	Stainless Steel	A666
Shaft Coupling	Stainless Steel	A276
Upthrust Bolt	Stainless Steel	A320 304
Taper Lock	Stainless Steel	A276
Bolting	Stainless Steel	A320 304

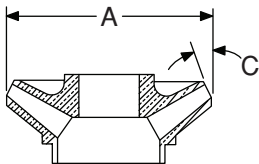


Model 175ST6 Performance

PAGE: SP-219
DATE: Mar 1, 2009



Note: Efficiencies are typical, not guaranteed. Efficiency correction required for low stage count (1 stage-6%, 2 stage-2%, 3 stage-1%)
Pumps are intentionally designed to utilize some portion of the motor's 1.15 service factor.
Bowl #9 begins transition to double-bolted (8 bolts @ bottom, 14 bolts @ top)
Nominal RPM: 3450



Impeller Dimensions

Trim	A Diameter	C Angle
A	4.688"	20 °
B	4.250"	20 °
C	3.750"	20 °

