

# 22000 Series Domestic Thermoplastic

A.Y. McDonald offers a full line of four inch submersibles ranging from 1/2 through 1 1/2 horsepower (HP), with flow rates ranging from 5 through 25 gallons per minute (GPM).

Our 22000 submersibles offer peak capacity performance in 5, 7, 10, 15, 20, and 25 gallons per minute (GPM) models.

Powered by A.Y. McDonald stainless steel motors.

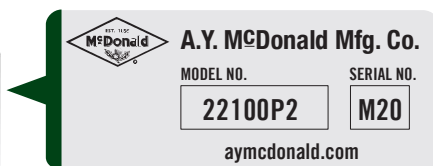
The charts on the following pages will assist you in choosing the pump that meets your needs.



### Features:

- Sizes - 1/2, 3/4, 1, 1 1/2 HP
- Reinforced thermoplastic motor bracket and discharge with built-in guide bearing
- 300 series stainless steel motor coupling
- Stainless steel pump shell
- Thermoplastic diffusers
- Thermoplastic impellers
- Stainless steel pump shaft
- Internal, anti-spin check valve standard
- Thermoplastic intake screen and cable guard
- 1 1/4" FNPT discharge
- Standard is 230V, single phase, 60 Hz

## Locating the code number on the pump



A code appears on each A.Y. McDonald 22000 series submersible pump. Contained in this code is the following information:

- Pump Model
- Serial Number

# Features

## Discharge Head

Incorporates built-in hex fluted guide bearing with rubber insert surrounding the stainless steel shaft which provides superior wear resistance against the harshest conditions. Self lubricating for long life. Large wrenching surfaces and 1 1/4" NPT female outlet threads standard. McDonald is molded into discharge head.

## Rope Hook Attachments

## Cable Guard

Cable guard fits into motor bracket to assure smooth entry into well casing.

## Diffuser

Polycarbonate Durable, corrosion, and abrasion resistant. Designed for efficient performance and superior sand handling capability.

## Impeller

Glass Bead Acetal. This smooth and flexible material is precision engineered for maximum performance.

## Pump Shaft

Large stainless steel 7/16" hex for strength and positive impeller drive.

## Check Valve

Internal anti-spin check valve with o-ring seal. Molded from engineered polymer.

## Pump Shell

High grade, heavy wall stainless steel for excellent corrosion resistance. Left hand threaded at both ends to prevent loosening. Easily repairable in the field.

A.Y. McDonald uses it's time proven captured stack design. The captured stack design incorporates sand notches into the diffusers, which have proven, over time, to keep sand flowing thru the stack.

## Motor Bracket

Rigid and accurate alignment to Nema standard.

## Hardware

All screws, washers, and assembly nuts are corrosion resistant stainless steel.

## Intake Screen

Once assembled, each pump is individually tested to ensure performance within design specifications.

## J - 5 GPM

A.Y. McDonald offers a full line of thermoplastic submersible pumps built for years of trouble free operation, with high-efficiency impellers and diffusers. These submersibles offer peak capacity performance in 5, 7, 10, 15, 20, and 25 gallons per minute (GPM). Other features include thermoplastic discharge head with a built-in check valve, and stainless steel shaft and coupling.

All Thermoplastic pumps have 1 1/4" discharge with internal check valve and sizes range from 1/2 to 1 horsepower (HP).

Two or three wire models up to 1 horsepower (HP).

### Two Wire Single Phase

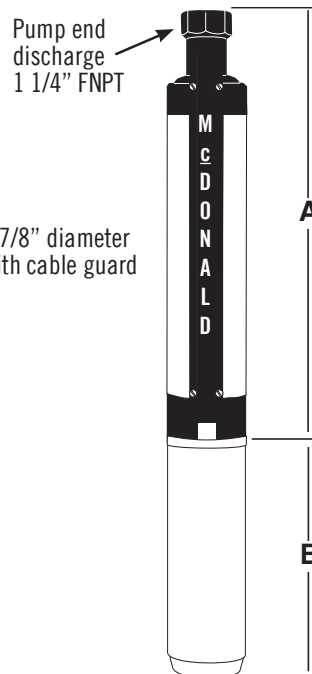
Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-015	22050J2	1/2	13	230	17.4"	13.0"	29
6634-016	22075J2	3/4	18	230	21.4"	13.8"	29
6634-017	22100J2	1	23	230	26.7"	16.8"	35

### Three Wire Single Phase

Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-019	22050J3	1/2	13	230	17.4"	10.5"	30
6634-021	22075J3	3/4	18	230	21.4"	11.3"	38
6634-023	22100J3	1	23	230	26.7"	13.6"	41

### 4" Thermoplastic Pump Ends

Part No.	Model No.	HP	Wt.
6634-090	22050J	1/2	7
6634-091	22075J	3/4	9
6634-092	22100J	1	12



\*\* All three wire pumps are available in three phase by selecting pump end and appropriate motor and starter kit (see pages 121-136).

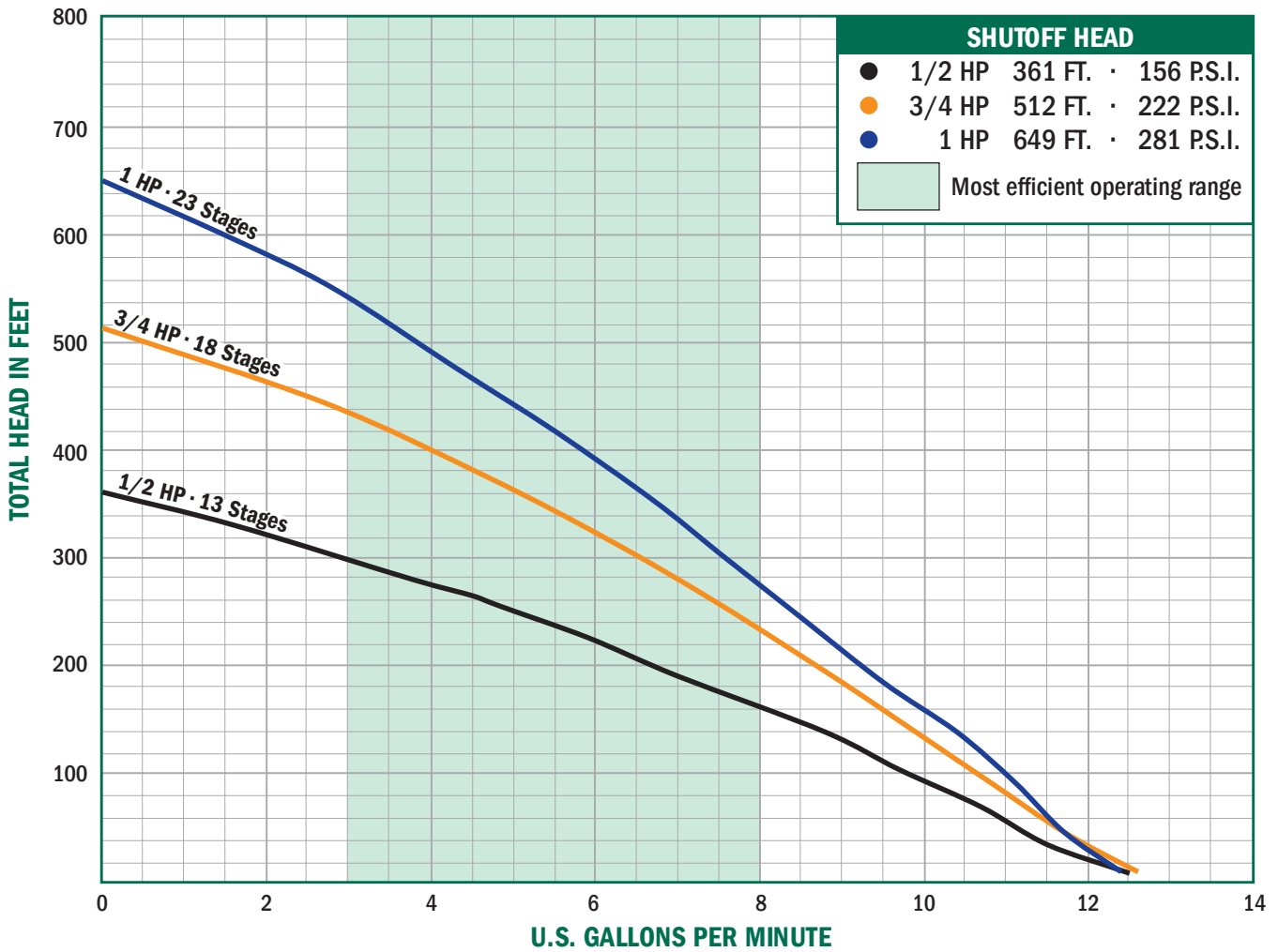
### Output - in Gallons Per Minute (Depth to Water)

	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'	300'	325'
1/2 HP	0	11.9	11.2	10.5	9.8	9.1	8.4	7.6	6.8	6.0	5.0	4.1	3.0	1.8
	30	10.0	9.2	8.5	7.8	7.0	6.1	5.3	4.3	3.2	2.1			
	40	9.3	8.6	7.8	7.0	6.2	5.3	4.4	3.3	2.2				
	50	8.6	7.9	7.1	6.3	5.4	4.4	3.4	2.3					
	60	7.9	7.2	6.3	5.5	4.5	3.5	2.3						

	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'	300'	325'	350'	375'	400'	425'	450'
3/4 HP	0	12.2	11.7	11.2	10.7	10.2	9.7	9.2	8.7	8.1	7.6	7.1	6.5	5.9	5.3	4.7	4.0	3.3	2.6
	30	0.8	10.3	9.8	9.3	8.8	8.3	7.7	7.2	6.6	6.1	5.5	4.9	4.2	3.5	2.7	1.9		
	40	10.3	9.8	9.3	8.8	8.3	7.8	7.2	6.7	6.1	5.5	4.9	4.3	3.6	2.8	2.0			
	50	9.9	9.4	8.9	8.3	7.8	7.3	6.7	6.2	5.6	4.9	4.3	3.6	2.9	2.0				
	60	9.4	8.9	8.4	7.9	7.3	6.8	6.2	5.6	5.0	4.4	3.7	2.9	2.1					

FRICTION LOSSES IN RISER PIPE  
HAVE NOT BEEN CALCULATED

# J - 5 GPM



Submersible Pumps

1 HP	PSI	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'
	0	11.7	10.9	10.1	9.3	8.4	7.6	6.7	5.8	4.9	3.9	2.7	1.5
	30	0.6	9.8	9.0	8.1	7.3	6.4	5.5	4.5	3.4	2.3		
	40	10.2	9.4	8.6	7.7	6.9	6.0	5.0	4.0	2.9	1.7		
	50	9.9	9.0	8.2	7.3	6.4	5.5	4.6	3.5	2.4			
	60	9.5	8.6	7.8	6.9	6.0	5.1	4.1	3.0	1.8			

FRICTION LOSSES IN RISER PIPE  
HAVE NOT BEEN CALCULATED

## V - 7 GPM

A.Y. McDonald offers a full line of thermoplastic submersible pumps built for years of trouble free operation, with high-efficiency impellers and diffusers. These submersibles offer peak capacity performance in 5, 7, 10, 15, 20, and 25 gallons per minute (GPM). Other features include thermoplastic discharge head with a built-in check valve, and stainless steel shaft and coupling.

All Thermoplastic pumps have 1 1/4" discharge with internal check valve and sizes range from 1/2 to 1 1/2 horsepower (HP). Two or three wire models up to 1 1/2 horsepower (HP).

### Two Wire Single Phase

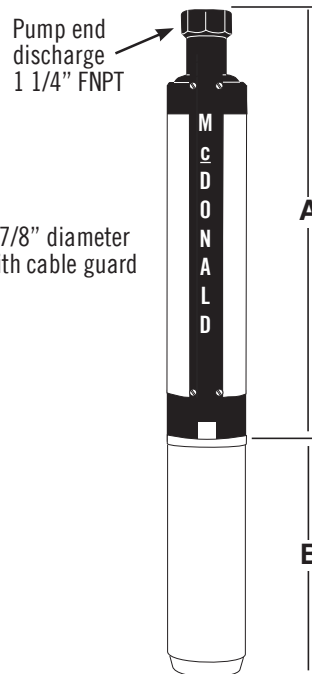
Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-066	22050V2A	1/2	9	115	14.2"	13.4"	25
6634-063	22050V2	1/2	9	230	14.2"	13.0"	24
6634-064	22075V2	3/4	12	230	16.7"	13.8"	28
6634-070	22100V2	1	16	230	19.9"	16.8"	31
6634-072	22150V2	1 1/2	21	230	24.3"	18.5"	42

### Three Wire Single Phase

Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-065	22050V3A	1/2	9	115	14.2"	9.5"	25
6634-067	22050V3	1/2	9	230	14.2"	10.5"	25
6634-068	22075V3	3/4	12	230	16.7"	11.3"	28
6634-069	22100V3	1	16	230	19.9"	13.6"	32
6634-071	22150V3	1 1/2	21	230	24.3"	16.2"	40

### 4" Thermoplastic Pump Ends

Part No.	Model No.	HP	Wt.
6634-094	22050V	1/2	6
6634-095	22075V	3/4	9
6634-096	22100V	1	9
6634-097	22150V	1 1/2	13



\*\* All three wire pumps are available in three phase by selecting pump end and appropriate motor and starter kit (see pages 121-136).

## Output - in Gallons Per Minute (Depth to Water)

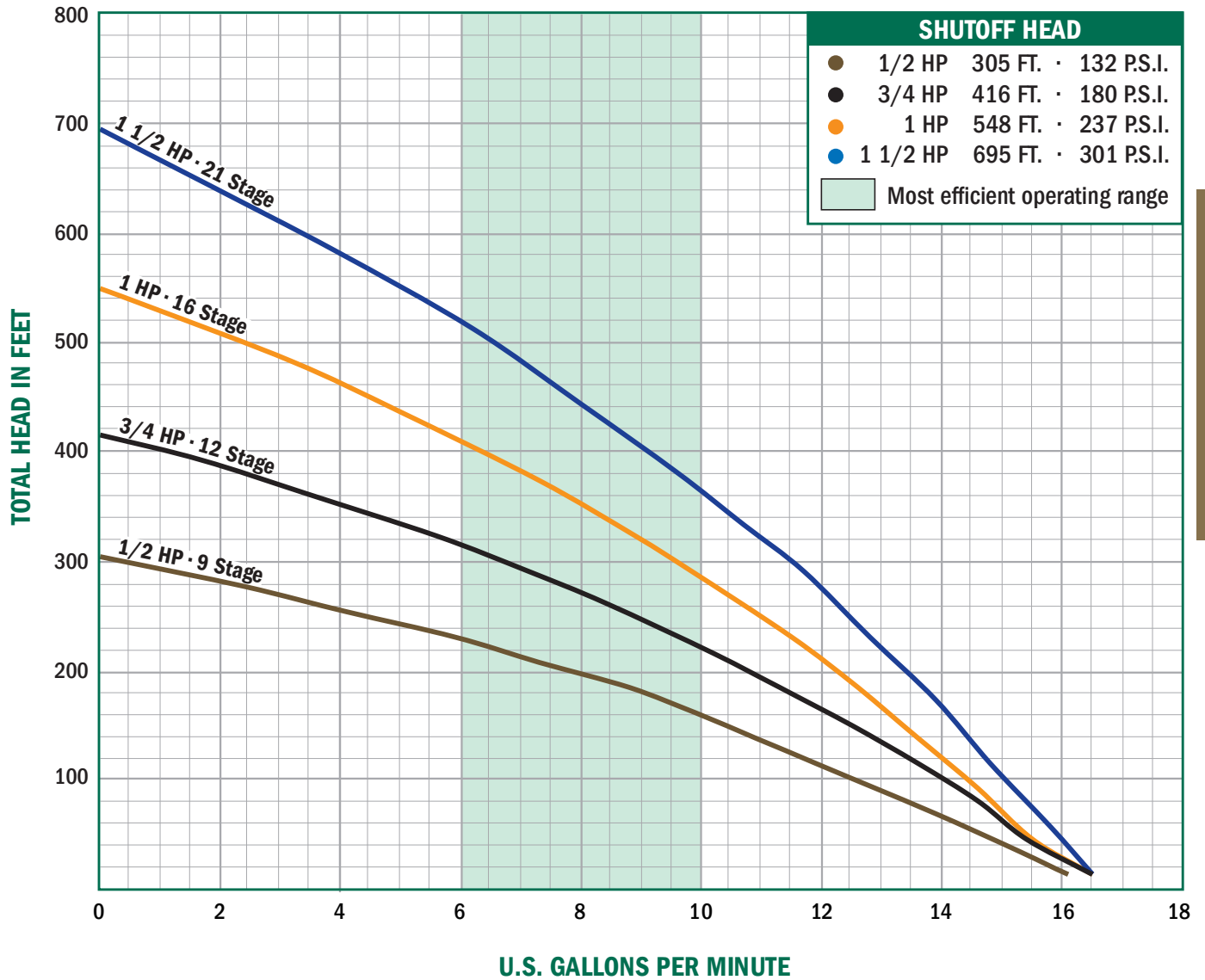
	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'
1/2 HP	0	15.6	14.6	13.6	12.6	11.5	10.4	9.2	7.8	6.3	4.5	2.5
	30	12.8	11.8	10.7	9.5	8.2	6.7	5.0	3.0			
	40	11.9	10.8	9.6	8.3	6.8	5.1	3.1				
	50	10.9	9.7	8.4	6.9	5.2	3.3					
	60	9.8	8.5	7.0	5.4	3.4	1.3					

	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'	300'	325'	350'	375'
3/4 HP	0	16.1	15.5	14.8	14.0	13.3	12.5	11.6	10.8	9.9	8.9	7.8	6.7	5.5	4.2	2.8
	30	14.2	13.4	12.7	11.8	11.0	10.1	9.1	8.1	7.0	5.8	4.5	3.1	1.5		
	40	13.5	12.7	11.9	11.0	10.1	9.2	8.2	7.1	5.9	4.6	3.2	1.7			
	50	12.8	12.0	11.1	10.2	9.3	8.2	7.2	6.0	4.7	3.3	1.8				
	60	12.0	11.2	10.3	9.3	8.3	7.2	6.1	4.8	3.4	1.9					

FRICTION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

# V - 7 GPM

Submersible Pumps



1 HP	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'	300'	325'	350'	375'	400'	425'	450'	475'
	0	16.1	15.5	15.0	14.4	13.9	13.3	12.8	12.2	11.6	11.0	10.3	9.6	8.9	8.1	7.2	6.3	5.4	4.5	3.5
	30	14.5	14.0	13.5	12.9	12.3	11.8	11.1	10.5	9.8	9.1	8.3	7.4	6.6	5.6	4.7	3.7	2.7		
	40	14.0	13.5	12.9	12.4	11.8	11.2	10.5	9.9	9.1	8.3	7.5	6.6	5.7	4.7	3.8	2.8			
	50	13.5	13.0	12.4	11.8	11.2	10.6	9.9	9.2	8.4	7.6	6.7	5.8	4.8	3.8	2.8				
	60	13.0	12.5	11.9	11.3	10.6	10.0	9.2	8.5	7.6	6.8	5.8	4.9	3.9	2.9	1.9				

1 1/2 HP	PSI	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'	650'
0	15.9	15.1	14.3	13.4	12.4	11.4	10.4	9.2	7.9	6.5	5.0	3.4	1.6	
30	14.8	13.9	13.0	12.1	11.0	9.9	8.7	7.4	5.9	4.4	2.7			
40	14.4	13.5	12.6	11.6	10.5	9.4	8.1	6.7	5.2	3.6	1.9			
50	14.0	13.1	12.1	11.1	10.0	8.8	7.5	6.0	4.5	2.8				
60	13.6	12.7	11.7	10.6	9.5	8.2	6.8	5.3	3.7	2.0				

FRICITION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

## K - 10 GPM

A.Y. McDonald offers a full line of thermoplastic submersible pumps built for years of trouble free operation, with high-efficiency impellers and diffusers. These submersibles offer peak capacity performance in 5, 7, 10, 15, 20, and 25 gallons per minute (GPM). Other features include thermoplastic discharge head with a built-in check valve, and stainless steel shaft and coupling.

All Thermoplastic pumps have 1 1/4" discharge with internal check valve and sizes range from 1/2 to 1 1/2 horsepower (HP). Two or three wire models up to 1 1/2 horsepower (HP).

### Two Wire Single Phase

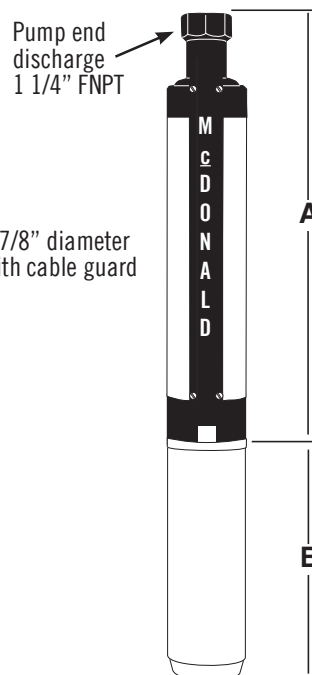
Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-149	22050K2A	1/2	7	115	12.3"	13.4"	27.0
6634-148	22050K2	1/2	7	230	12.3"	13.0"	26.1
6634-161	22075K2	3/4	9	230	13.7"	13.8"	29.2
6634-165	22100K2	1	12	230	16.0"	16.8"	35.8
6634-172	22150K2	1 1/2	16	230	19.7"	18.5"	41.0

### Three Wire Single Phase

Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-157	22050K3A	1/2	7	115	12.3"	9.5"	26.1
6634-156	22050K3	1/2	7	230	12.3"	10.5"	26.0
6634-162	22075K3	3/4	9	230	13.7"	11.3"	29.8
6634-169	22100K3	1	12	230	16.0"	13.6"	33.3
6634-174	22150K3	1 1/2	16	230	19.7"	16.2"	43.5

### 4" Thermoplastic Pump Ends

Part No.	Model No.	HP	Wt.
6634-146	22050K	1/2	6
6634-160	22075K	3/4	6
6634-164	22100K	1	7
6634-171	22150K	1 1/2	10



\*\* All three wire pumps are available in three phase by selecting pump end and appropriate motor and starter kit (see pages 121-136).

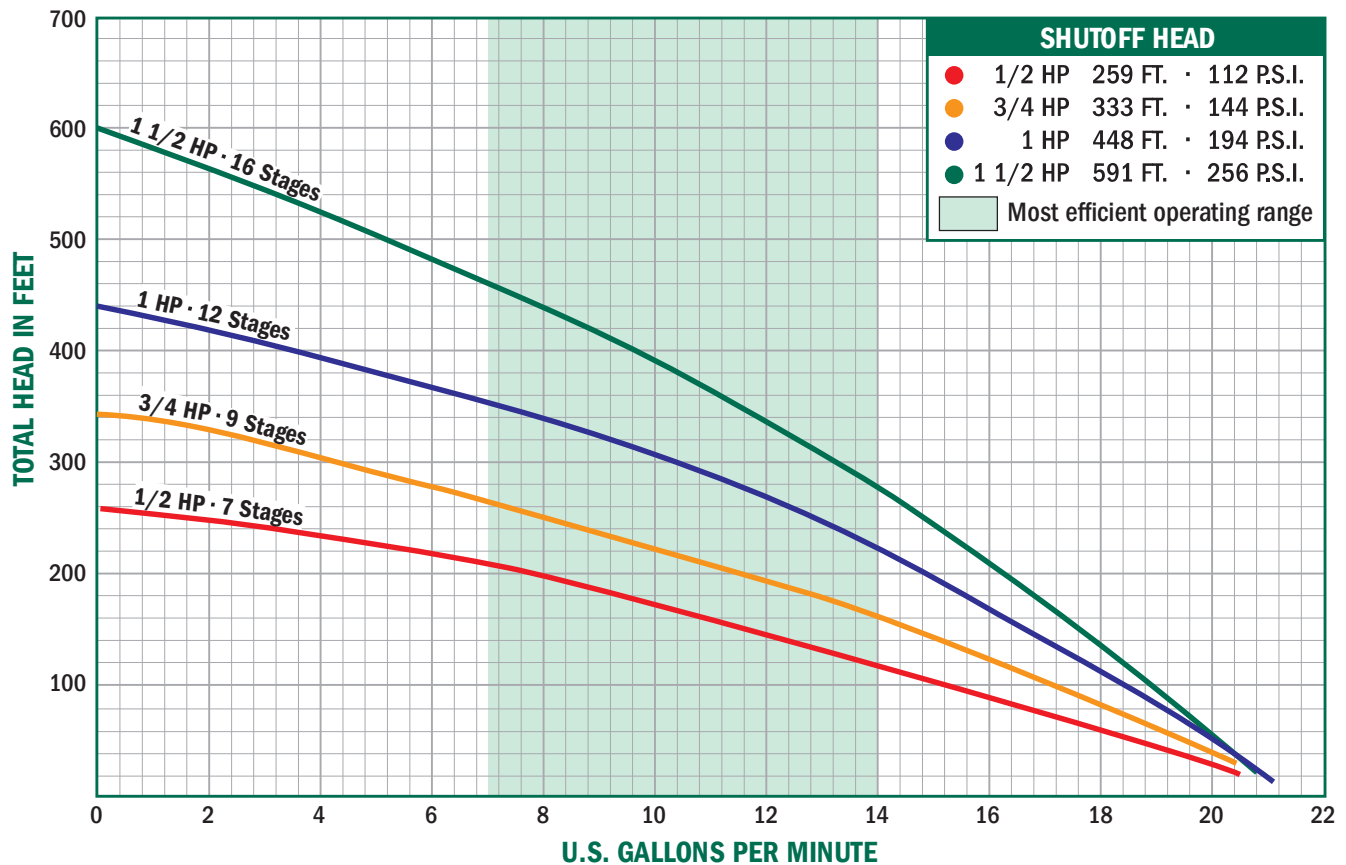
### Output - in Gallons Per Minute (Depth to Water)

	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'
1/2 HP	0	19.90	18.49	16.99	15.40	13.69	11.84	9.79	7.49	4.78	1.32
	30	15.77	14.09	12.27	10.28	8.04	5.44	2.21			
	40	14.22	12.42	10.44	8.22	5.66	2.49				
	50	12.56	10.60	8.40	5.87	2.76					
	60	10.75	8.58	6.08	3.03						

	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'	300'	325'
3/4 HP	0	20.36	19.26	18.12	16.93	15.67	14.35	12.95	11.45	9.83	8.05	6.06	3.75	0.89
	30	17.20	15.97	14.66	13.28	11.80	10.21	8.47	6.54	4.31	1.61			
	40	16.06	14.76	13.39	11.92	10.34	8.61	6.69	4.49	1.84				
	50	14.86	13.49	12.03	10.46	8.75	6.85	4.67	2.07					
	60	13.60	12.15	10.59	8.89	7.00	4.85	2.29						

FRICTION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

# K - 10 GPM



Submersible Pumps

1 HP	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'	300'	325'	350'	375'	400'	425'
	0	20.86	20.05	19.22	18.36	17.47	16.55	15.60	14.61	13.57	12.48	11.33	10.10	8.79	7.37	5.81	4.06	2.0
	30	18.56	17.68	16.77	15.82	14.84	13.81	12.73	11.59	10.39	9.10	7.71	6.18	4.48	2.51	0.09		
	40	17.75	16.84	15.89	14.91	13.89	12.81	11.68	10.48	9.20	7.82	6.30	4.61	2.67	0.29			
	50	16.91	15.97	14.99	13.97	12.90	11.77	10.58	9.30	7.93	6.42	4.75	2.83	0.50				
	60	16.04	15.06	14.05	12.98	11.86	10.67	9.40	8.04	6.54	4.89	2.99	0.70					
1½ HP	PSI	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	FRICTION LOSS NOT BEEN CORRECTED					
	0	20.18	18.95	17.66	16.31	14.87	13.34	11.69	9.89	7.88	5.58	2.80						
	30	18.46	17.15	15.76	14.29	12.72	11.01	9.14	7.03	4.58	1.51							
	40	17.86	16.52	15.09	13.58	11.95	10.17	8.20	5.95	3.27								
	50	17.25	15.87	14.41	12.84	11.15	9.29	7.20	4.78	1.78								
	60	16.62	15.21	13.70	12.08	10.31	8.36	6.14	3.49	0.02								

FRICTION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED



## L - 15 GPM

A.Y. McDonald offers a full line of thermoplastic submersible pumps built for years of trouble free operation, with high-efficiency impellers and diffusers. These submersibles offer peak capacity performance in 5, 7, 10, 15, 20, and 25 gallons per minute (GPM). Other features include thermoplastic discharge head with a built-in check valve, and stainless steel shaft and coupling.

All Thermoplastic pumps have 1 1/4" discharge with internal check valve and sizes range from 1/2 to 1 1/2 horsepower (HP). Two or three wire models up to 1 1/2 horsepower (HP).

### Two Wire Single Phase

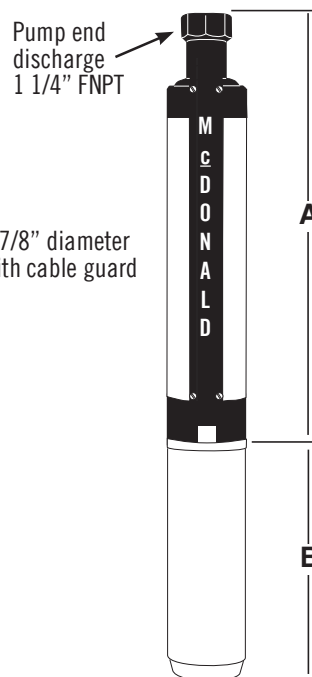
Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-194	22050L2A	1/2	6	115	13.6"	13.4"	23
6634-193	22050L2	1/2	6	230	13.6"	13.0"	23
6634-200	22075L2	3/4	8	230	15.7"	13.8"	27
6634-213	22100L2	1	10	230	17.9"	16.8"	30
6634-217	22150L2	1 1/2	13	230	21.1"	18.5"	41

### Three Wire Single Phase

Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-198	22050L3A	1/2	6	115	13.6"	9.5"	26
6634-196	22050L3	1/2	6	230	13.6"	10.5"	26
6634-211	22075L3	3/4	8	230	15.7"	11.3"	30
6634-215	22100L3	1	10	230	17.9"	13.6"	33
6634-219	22150L3	1 1/2	13	230	21.1"	16.2"	42

### 4" Thermoplastic Pump Ends

Part No.	Model No.	HP	Wt.
6634-192	22050L	1/2	6
6634-199	22075L	3/4	6
6634-212	22100L	1	9
6634-216	22150L	1 1/2	9



\*\* All three wire pumps are available in three phase by selecting pump end and appropriate motor and starter kit (see pages 121-136).

### Output - in Gallons Per Minute (Depth to Water)

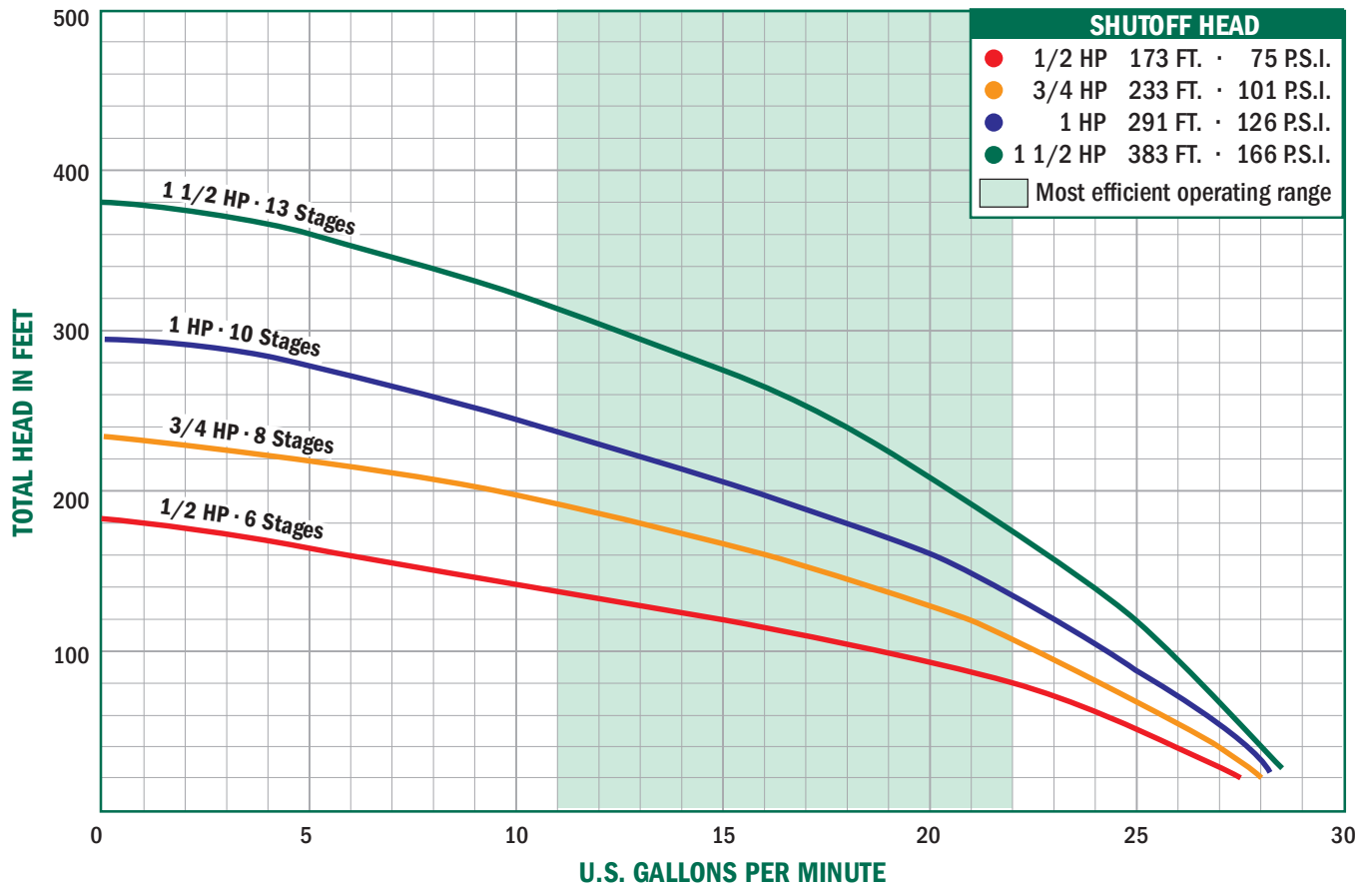
	PSI	25'	50'	75'	100'	125'	150'
1/2 HP	0	28.28	25.58	22.58	19.18	15.14	9.84
	30	20.00	16.14	11.23	2.99		
	40	16.46	11.66	3.99			
	50	12.08	4.85				
	60	5.63					

	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'
3/4 HP	0	28.58	26.69	24.66	22.46	20.05	17.33	14.17	10.21	4.08
	30	22.98	20.62	17.98	14.94	11.22	5.91			
	40	20.81	18.19	15.19	11.54	6.43				
	50	18.40	15.44	11.85	6.92					
	60	15.68	12.15	7.38						

FRICTION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

# L - 15 GPM

Submersible Pumps



1 HP	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	300'
	0	28.92	27.42	25.84	24.16	22.37	20.44	18.33	15.97	13.26	9.96	5.33
	30	24.55	22.79	20.89	18.83	16.53	13.92	10.78	6.60			
	40	22.93	21.04	18.99	16.72	14.13	11.05	6.99				
	50	21.19	19.15	16.90	14.34	11.31	7.36					
	60	19.31	17.08	14.55	11.56	7.71	0.50					

1 1/2 HP	PSI	50'	100'	150'	200'	250'	300'	350'
	0	28.02	25.72	23.20	20.39	17.15	13.20	7.62
	30	24.78	22.16	19.20	15.74	11.35	4.06	
	40	23.60	20.84	17.68	13.87	8.68		
	50	22.37	19.44	16.03	11.73	4.93		
	60	21.06	17.94	14.19	9.16			

FRICTION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

## P - 20 GPM

A.Y. McDonald offers a full line of thermoplastic submersible pumps built for years of trouble free operation, with high-efficiency impellers and diffusers. These submersibles offer peak capacity performance in 5, 7, 10, 15, 20, and 25 gallons per minute (GPM). Other features include thermoplastic discharge head with a built-in check valve, and stainless steel shaft and coupling.

All Thermoplastic pumps have 1 1/4" discharge with internal check valve and sizes range from 1/2 to 1 1/2 horsepower (HP). Two or three wire models up to 1 1/2 horsepower (HP).

### Two Wire Single Phase

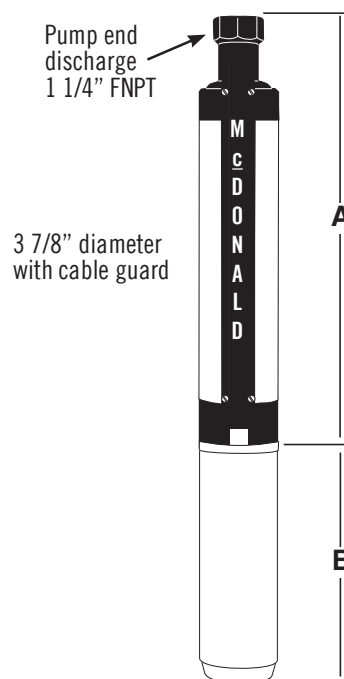
Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-221	22050P2A	1/2	5	115	12.5"	13.4"	22
6634-220	22050P2	1/2	5	230	12.5"	13.0"	22
6634-225	22075P2	3/4	7	230	14.6"	13.8"	26
6634-230	22100P2	1	9	230	16.8"	16.8"	36
6634-234	22150P2	1 1/2	12	230	20.0"	18.5"	38

### Three Wire Single Phase

Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-189	22050P3A	1/2	5	115	12.0"	9.5"	25
6634-223	22050P3	1/2	5	230	12.02"	10.5"	26
6634-227	22075P3	3/4	7	230	14.2"	11.3"	29
6634-232	22100P3	1	9	230	16.8"	13.6"	32
6634-236	22150P3	1 1/2	12	230	20.0"	16.2"	42

### 4" Thermoplastic Pump Ends

Part No.	Model No.	HP	Wt.
6634-181	22050P	1/2	5
6634-224	22075P	3/4	6
6634-229	22100P	1	7
6634-233	22150P	1 1/2	8



\*\* All three wire pumps are available in three phase by selecting pump end and appropriate motor and starter kit (see pages 121-136).

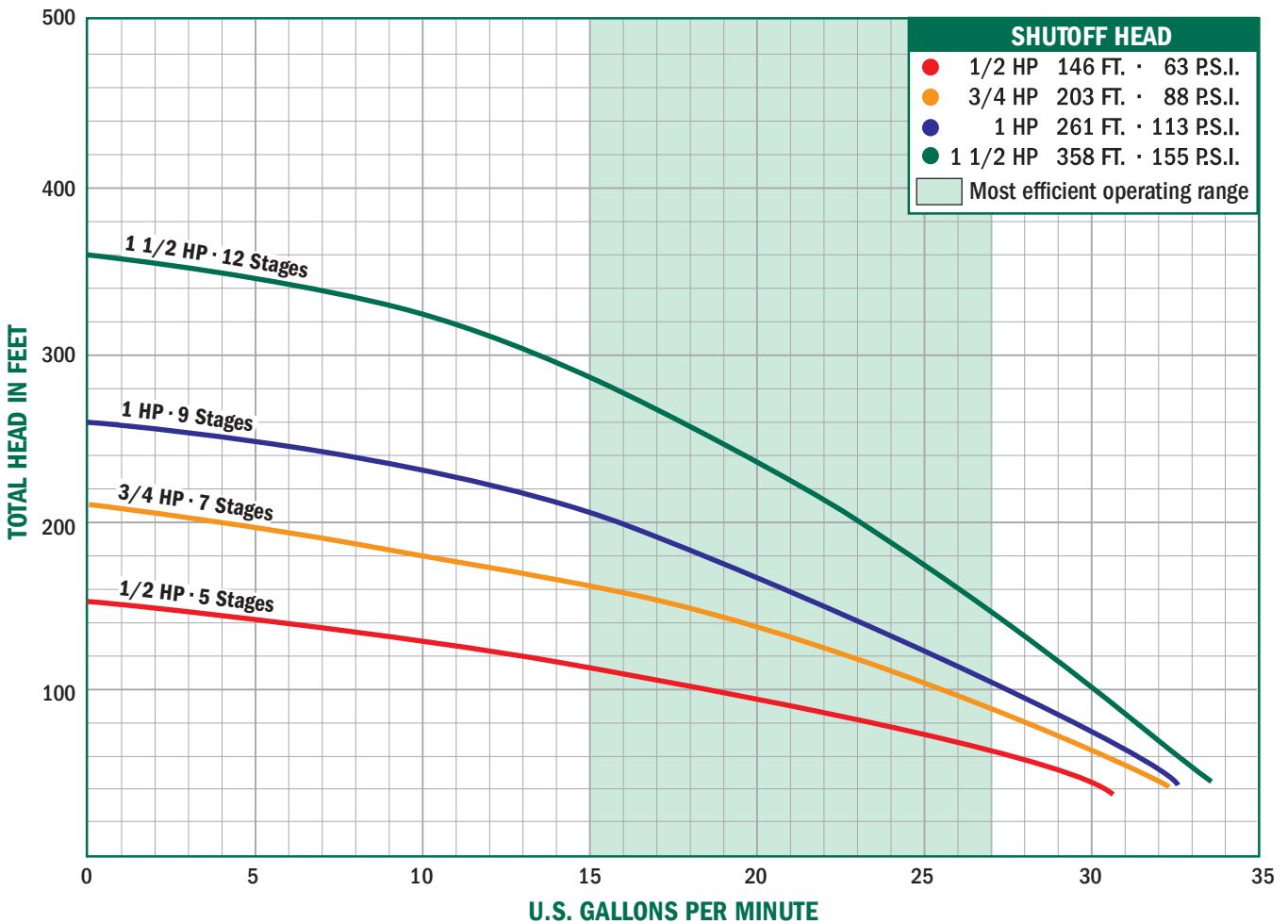
### Output - in Gallons Per Minute (Depth to Water)

	PSI	25'	50'	75'	100'	125'
1/2 HP	0	32.34	28.61	24.35	19.26	12.48
	30	20.53	14.28	2.68		
	40	14.83	4.36			
	50	5.68				

	PSI	25'	50'	75'	100'	125'	150'	175'	200'
3/4 HP	0	32.36	29.82	27.06	24.01	20.58	16.54	11.39	2.53
	30	24.74	21.40	17.53	12.71	5.44			
	40	21.67	17.85	13.13	6.20				
	50	18.16	13.54	6.91					
	60	13.93	7.56						

FRICITION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

P - 20 GPM



Submersible Pumps

1 HP	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'
	0	33.30	31.39	29.36	27.19	24.84	22.26	19.37	16.02	11.88	5.72
	30	27.70	25.39	22.87	20.06	16.84	12.92	7.49			
	40	25.57	23.07	20.29	17.10	13.26	8.01				
	50	23.27	20.51	17.36	13.58	8.50					
	60	20.73	17.62	13.90	8.97						

1 1/2 HP	PSI	50'	100'	150'	200'	250'	300'	350'
	0	32.95	29.95	26.64	22.90	18.50	12.88	3.03
	30	28.71	25.26	21.30	16.53	10.04		
	40	27.17	23.50	19.23	13.86	5.38		
	50	25.53	21.62	16.93	10.65			
	60	23.80	19.58	14.33	6.32			

FRICTION LOSSES IN RISER PIPE HAVE  
NOT BEEN CALCULATED

## M - 25 GPM

A.Y. McDonald offers a full line of thermoplastic submersible pumps built for years of trouble free operation, with high-efficiency impellers and diffusers. These submersibles offer peak capacity performance in 5, 7, 10, 15, 20, and 25 gallons per minute (GPM). Other features include thermoplastic discharge head with a built-in check valve, and stainless steel shaft and coupling.

All Thermoplastic pumps have 1 1/4" discharge with internal check valve and sizes range from 1/2 to 1 1/2 horsepower (HP). Two or three wire models up to 1 1/2 horsepower (HP).

### Two Wire Single Phase

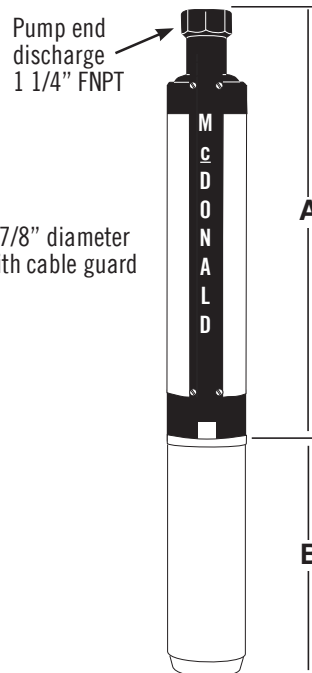
Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-240	22050M2A	1/2	4	115	10.9"	13.4"	22.4
6634-239	22050M2	1/2	4	230	10.9"	13.0"	21.2
6634-246	22075M2	3/4	5	230	12.5"	13.8"	25.1
6634-250	22100M2	1	7	230	14.6"	16.8"	35.0
6634-254	22150M2	1 1/2	9	230	16.8"	18.5"	37.9

### Three Wire Single Phase

Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6634-244	22050M3A	1/2	4	115	10.9"	9.5"	25.5
6634-242	22050M3	1/2	4	230	10.9"	10.5"	25.5
6634-248	22075M3	3/4	5	230	12.5"	11.3"	28.9
6634-252	22100M3	1	7	230	14.2"	13.6"	31.9
6634-256	22150M3	1 1/2	9	230	16.8"	16.2"	41.8

### 4" Thermoplastic Pump Ends

Part No.	Model No.	HP	Wt.
6634-238	22050M	1/2	5
6634-245	22075M	3/4	5
6634-249	22100M	1	6
6634-253	22150M	1 1/2	7



\*\* All three wire pumps are available in three phase by selecting pump end and appropriate motor and starter kit (see pages 121-136).

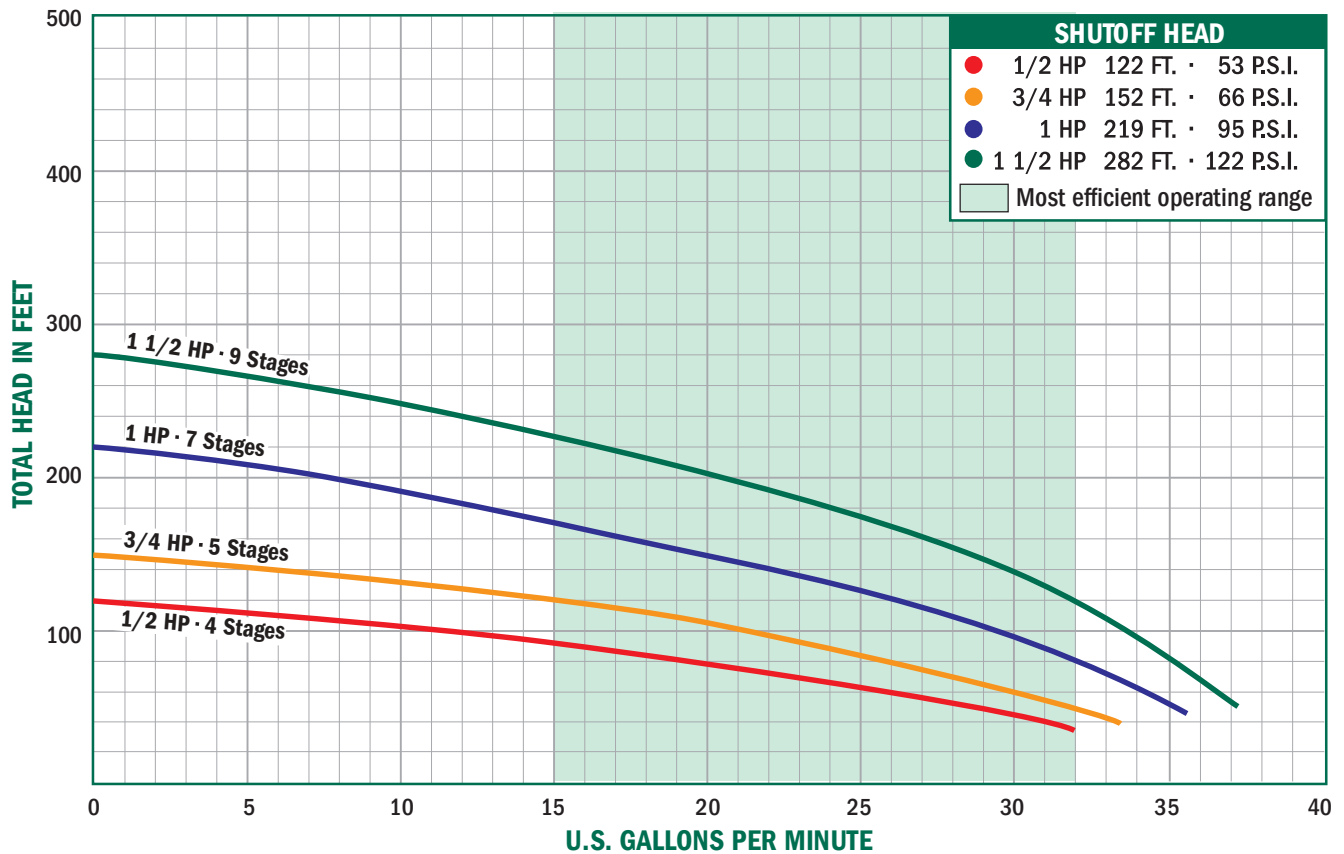
### Output - in Gallons Per Minute (Depth to Water)

1/2 HP	PSI	25'	50'	75'	100'
	0	34.97	29.23	22.43	13.64
	30	15.93	2.93		
	40	4.38			

3/4 HP	PSI	25'	50'	75'	100'	125'	150'
	0	36.08	31.97	27.33	21.88	14.91	2.74
	30	23.22	16.71	6.80			
	40	17.27	7.85				
	50	8.81					

FRICTION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

# M - 25 GPM



Submersible Pumps

1 HP	PSI	25'	50'	75'	100'	125'	150'	175'	200'
	0	38.23	35.39	32.34	29.02	25.34	21.13	16.10	9.38
	30	29.81	26.22	22.15	17.35	11.16			
	40	26.50	22.48	17.75	11.71	1.28			
	50	22.80	18.14	12.24	2.61				
	60	18.53		3.73					

1 1/2 HP	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'
	0	40.00	37.82	35.52	33.08	30.47	27.63	24.52	21.01	16.91	11.76	3.56
	30	33.65	31.08	28.30	25.26	21.85	17.91	13.07	6.06			
	40	31.28	28.52	25.50	22.13	18.24	13.49	6.76				
	50	28.74	25.74	22.40	18.56	13.90	7.42					
	60	25.98		18.87	14.29	8.04						

FRICITION LOSSES IN RISER PIPE HAVE  
NOT BEEN CALCULATED