

SUBMITTAL DATA SHEET

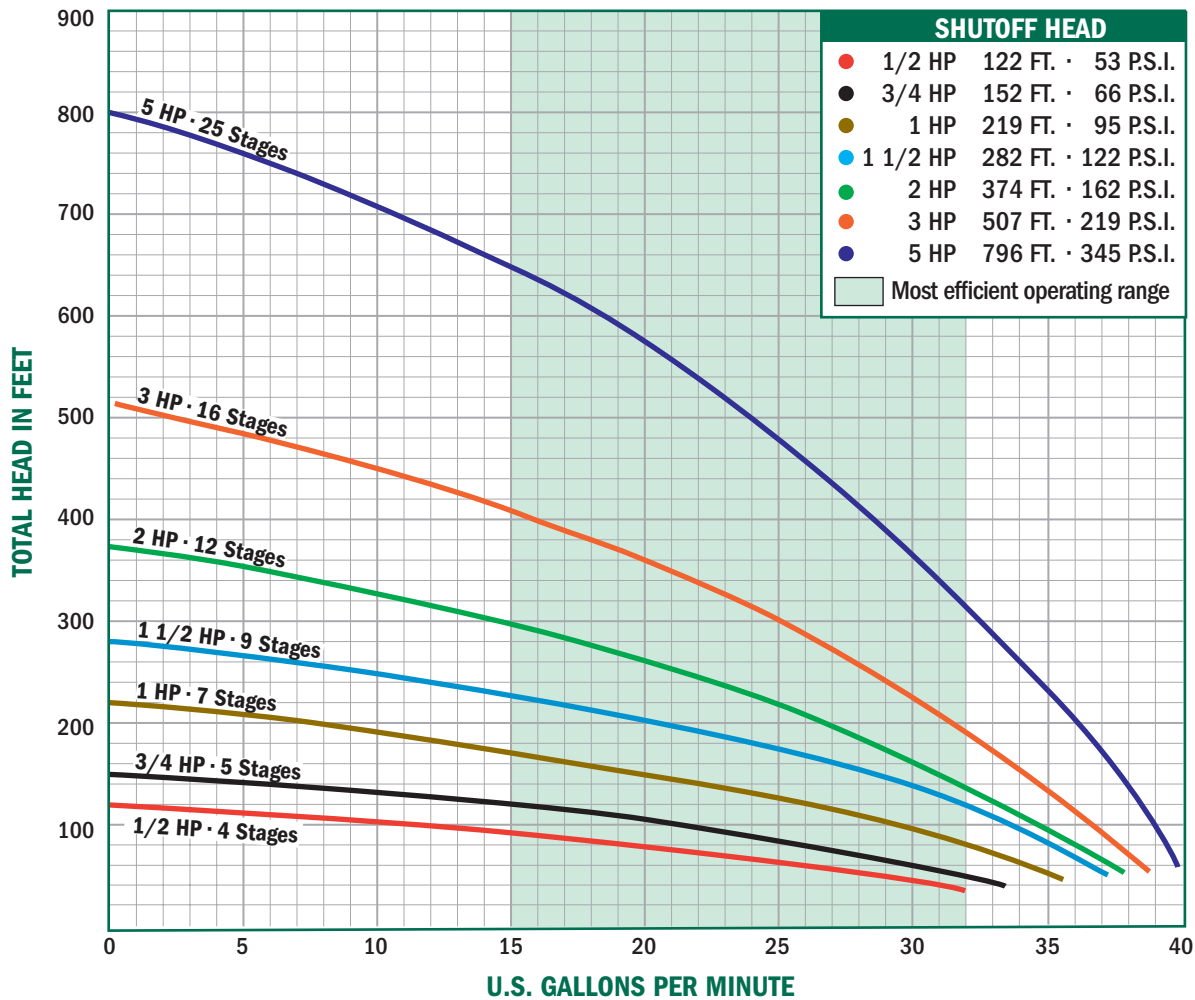
21000 Series
4" No-Lead Brass Submersible Pumps

M - 25 GPM



A.Y. McDonald offers a full line of no-lead brass 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 no-lead discharge head with a built-in check valve, and stainless steel shaft and coupling.

All No-Lead Pumps come with a 1 1/4" discharge and sizes range from 1/2 to 5 horsepower (HP). Two wire models up to 1 1/2 horsepower (HP) or three wire models up to 5 horsepower (HP).



NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.



A.Y. McDonald Mfg. Co.
4800 Chavenelle Rd
Dubuque, IA 52002

Toll Free: 1-800-292-2737
sales@aymcdonald.com
aymcdonald.com

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Submitted by:

SUBMITTAL DATA SHEET

21000 Series 4" No-Lead Brass Submersible Pumps M - 25 GPM



Two Wire Single Phase

Part No.	Model No.	HP	Stages	Volt	A	B	WT.
6650-135	21050M2A	1/2	4	115	12.4"	13.4"	26
6650-134	21050M2	1/2	4	230	12.4"	13.0"	26
6650-141	21075M2	3/4	5	230	13.5"	13.8"	28
6650-145	21100M2	1	7	230	15.7"	16.8"	33
6650-149	21150M2	1 1/2	9	230	17.8"	18.5"	42

Three Wire** Single Phase

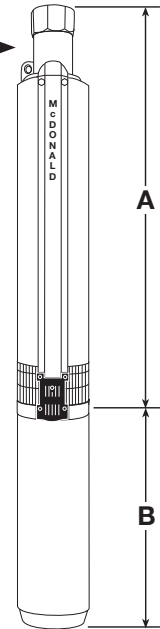
Part No.	Model No.	HP	Stages	Volt	A	B	WT.
6650-137	21050M3A	1/2	4	115	12.4"	9.5"	26
6650-136	21050M3	1/2	4	230	12.4"	10.5"	26
6650-142	21075M3	3/4	5	230	13.5"	11.3"	28
6650-146	21100M3	1	7	230	15.7"	13.6"	32
6650-150	21150M3	1 1/2	9	230	17.8"	16.2"	38
6650-153	21200M3	2	12	230	21.0"	16.2"	43
6650-156	21300M3	3	16	230	25.3"	21.4"	55
6650-159	21500M3	5	25	230	36.4"	26.9"	85

Three Wire** Three Phase

Part No.	Model No.	HP	Stages	Volt	A	B	WT.
6650-287	21150M3Z	1 1/2	9	230	17.8"	13.6"	34
6628-177	21200M3Z	2	12	230	21.0"	15.4"	40
6628-178	21300M3Z	3	16	230	25.3"	19.8"	48
6650-162	21500M3Z	5	25	230	36.4"	24.2"	71
6650-161	21500M3Y	5	25	460	36.4"	24.2"	71

Pump end discharge
1 1/4" FNPT

3 3/4" diameter
with cable guard



4" No-Lead Brass Pump Ends

Part No.	Model No.	HP	WT.
6650-133	21050M	1/2	9
6650-140	21075M	3/4	9
6650-144	21100M	1	10
6650-148	21150M	1 1/2	11
6650-152	21200M	2	11
6650-155	21300M	3	14
6650-158	21500M	5	19

** All three wire pumps are available in three phase by selecting pump end and appropriate motor and starter kit.

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						

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							

2 HP	PSI	50'	100'	150'	200'	250'	300'	350'
0	38.07	34.66	30.92	26.74	21.91	15.98	7.38	
30	33.26	29.37	24.97	19.79	13.16	1.33		
40	31.52	27.42	22.70	16.98	9.04			
50	29.68	25.33	20.23	13.75	2.92			
60	27.75	23.09	17.47	9.80				

3 HP	PSI	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'
0	39.30	36.84	34.22	31.42	28.38	25.02	21.23	16.75	11.09	1.27	
30	35.85	33.16	30.28	27.12	23.62	19.61	14.78	8.24			
40	34.63	31.86	28.86	25.55	21.84	17.51	12.08	3.58			
50	33.38	30.50	27.37	23.90	19.94	15.19	8.85				
60	32.08	29.09	25.82	22.14	17.87	12.56	4.51				

5 HP	PSI	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'	650'	700'	750'
0	40.4	38.9	37.4	35.8	34.1	32.4	30.6	28.6	26.5	24.2	21.6	18.7	15.2	11.0	5.8	
30	38.3	36.8	35.2	33.5	31.7	29.8	27.8	25.6	23.2	20.5	17.4	13.7	9.2	3.5		
40	37.6	36.0	34.4	32.7	30.9	28.9	26.8	24.5	22.0	19.1	15.8	11.7	6.7			
50	36.9	35.3	33.6	31.9	30.0	28.0	25.8	23.4	20.7	17.7	14.0	9.5				
60	36.2	34.5	32.8	31.0	29.1	27.0	24.7	22.2	19.4	16.1	12.1	7.1				

FRICITION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

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