SUBMITTAL DATA SHEET

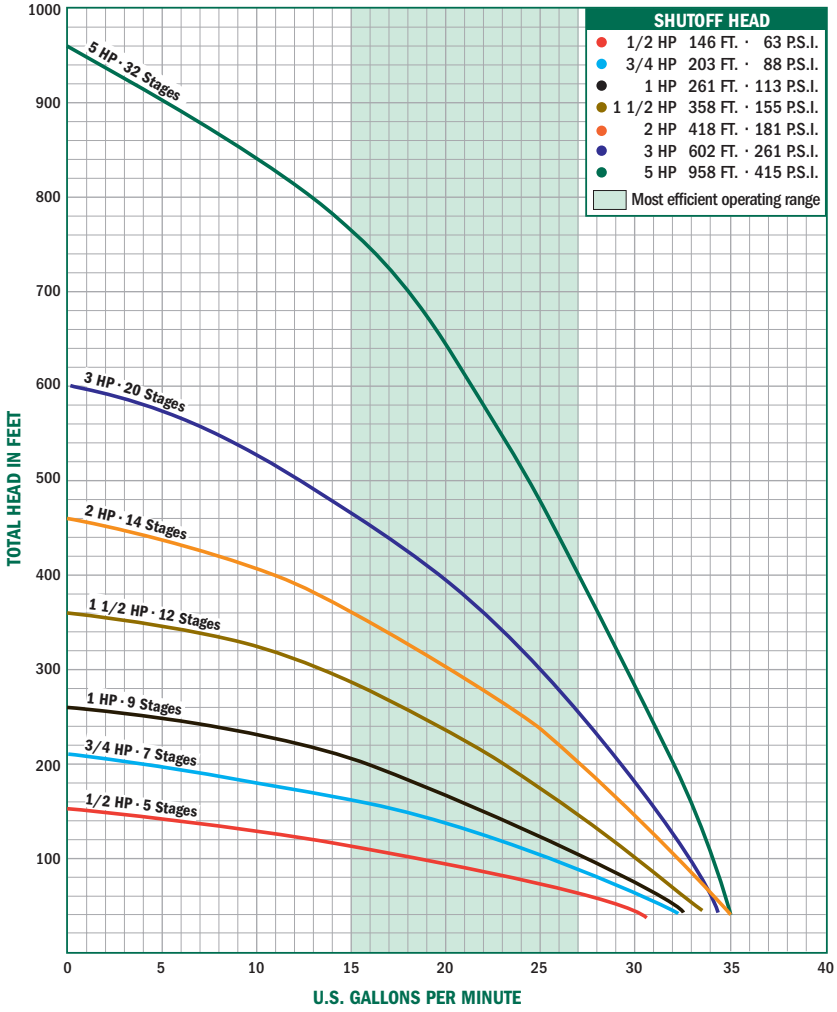
21000 Series

4” No-Lead Brass Submersible Pumps

P Series - 20 GPM



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



Models Available

Two Wire Single Phase

Model No.	HP	Stages	Volt	A	B	Wt.
21050P2A	1/2	5	115	13.52"	9.53"	26
21050P2	1/2	5	230	13.52"	9.53"	26
21075P2	3/4	7	230	15.67"	10.66"	30
21100P2	1	9	230	17.82"	11.75"	34
21150P2	1 1/2	12	230	21.04"	15.12"	44

Three Wire** Single Phase

Model No.	HP	Stages	Volt	A	B	Wt.
21050P3A	1/2	5	115	13.52"	9.53"	26
21050P3	1/2	5	230	13.52"	9.53"	26
21075P3	3/4	7	230	15.67"	10.66"	29
21100P3	1	9	230	17.82"	11.75"	34
21150P3	1 1/2	12	230	21.04"	13.62"	40
21200P3	2	14	230	23.19"	15.12"	45
21300P3	3	20	230	31.00"	19.06"	58
21500P3	5	32	230	43.88”	29.62”	86

Three Wire** Three Phase

Model No.	HP	Stages	Volt	A	B	Wt.
21150P3Z	1 1/2	12	230	21.04"	11.75"	37
21150P3Y	1 1/2	12	460	21.04"	11.75"	37
21200P3Z	2	14	230	23.19"	13.62"	42
21200P3Y	2	14	460	23.19"	13.62"	42
21300P3Z	3	20	230	31.00"	16.04"	51
21300P3Y	3	20	460	31.00"	16.04"	51
21500P3Z	5	32	230	43.88”	23.62”	74
21500P3Y	5	32	460	43.88”	23.62”	74

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

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.

EST. 1856 McDonald

A.Y. McDonald Mfg. Co.
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A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by:

SUBMITTAL DATA SHEET

21000 Series

4” No-Lead Brass Submersible Pumps

P Series - 20 GPM



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

Output - in Gallons Per Minute (Depth to Water)

1/2 HP

PSI	25’	50’	75’	100’	125’
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				
60					

3/4 HP

PSI	25’	50’	75’	100’	125’	150’	175’	200’
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						

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						

1½ 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			

2 HP

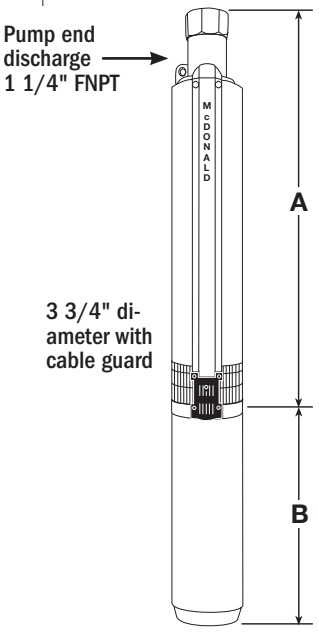
PSI	50’	100’	150’	200’	250’	300’	350’	400’
0	34.88	32.45	29.85	27.04	23.94	20.46	16.41	11.33
30	31.47	28.79	25.88	22.65	18.98	14.61	8.85	
40	30.26	27.48	24.43	21.02	17.07	12.20	5.06	
50	29.00	26.11	22.91	19.28	14.97	9.38		
60	27.70	24.68	21.30	17.40	12.62	5.79		

3 HP

PSI	50’	100’	150’	200’	250’	300’	350’	400’	450’	500’	550’
0	34.31	32.64	30.88	29.03	27.05	24.92	22.61	20.06	17.16	13.72	9.23
30	31.97	30.18	28.28	26.25	24.06	21.66	18.99	15.91	12.16	6.88	
40	31.15	29.31	27.36	25.26	22.98	20.47	17.63	14.29	10.02	2.58	
50	30.32	28.43	26.41	24.23	21.85	19.20	16.16	12.48	7.39		
60	29.46	27.51	25.42	23.16	20.67	17.86	14.57	10.40	3.55		

5 HP

PSI	50’	100’	150’	200’	250’	300’	350’	400’	450’	500’	550’	600’	650’	700’	750’	800’	850’	900’	950’
0	35.14	34.10	33.04	31.94	30.80	29.62	28.40	27.12	25.79	24.38	22.90	21.32	19.62	17.78	15.74	13.43	10.69	7.15	.01
30	33.70	32.62	31.50	30.35	29.16	27.91	26.61	25.25	23.82	22.30	20.68	18.93	17.02	14.88	12.43	9.46	5.32		
40	33.20	32.11	30.98	29.80	28.59	27.32	25.99	24.60	23.13	21.56	19.89	18.07	16.06	13.80	11.15	7.77	2.10		
50	32.70	31.59	30.44	29.25	28.01	26.71	25.36	23.93	22.42	20.80	19.07	17.17	15.06	12.64	9.81	5.71			
60	32.19	31.06	29.89	28.68	27.42	26.10	24.71	23.24	21.69	20.02	18.21	16.22	13.98	11.37	8.07	2.79			



FRICTION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

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.

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