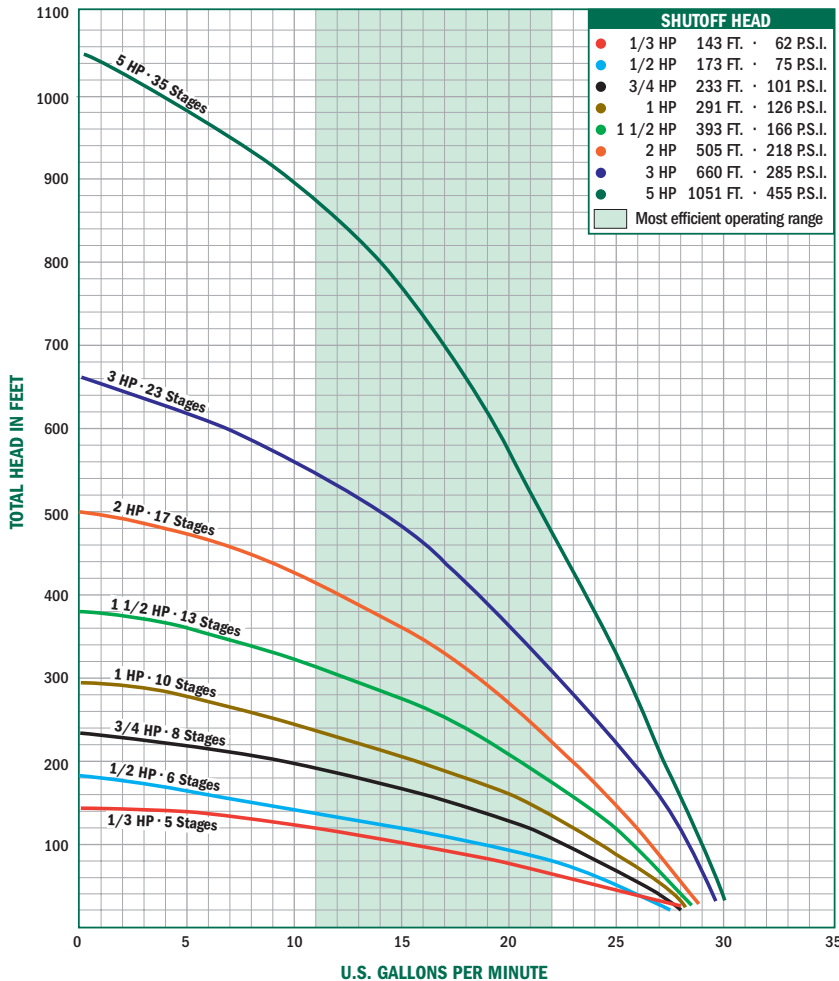


SUBMITTAL DATA SHEET

21000 Series 4" No-Lead Brass Submersible Pumps L Series - 15 GPM



All L Series No-Lead Pumps come with a 1 1/4" discharge and sizes range from 1/3 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.
21030L2A*	1/3	5	115	13.52"	9.53"	26
21030L2*	1/3	5	230	13.52"	9.53"	26
21050L2A	1/2	6	115	14.59"	9.53"	26
21050L2	1/2	6	230	14.59"	9.53"	26
21075L2	3/4	8	230	16.75"	10.66"	30
21100L2	1	10	230	18.89"	11.75"	34
21150L2	1 1/2	13	230	22.11"	15.12"	42

Three Wire** Single Phase

Model No.	HP	Stages	Volt	A	B	Wt.
21030L3A*	1/3	5	115	13.52"	9.53"	26
21030L3*	1/3	5	230	13.52"	9.53"	26
21050L3A	1/2	6	115	14.59"	9.53"	26
21050L3	1/2	6	230	14.59"	9.53"	26
21075L3	3/4	8	230	16.75"	10.66"	30
21100L3	1	10	230	18.89"	11.75"	34
21150L3	1 1/2	13	230	22.11"	13.62"	39
21200L3	2	17	230	26.41"	15.12"	46
21300L3	3	23	230	34.23"	19.06"	60
21500L3	5	35	230	47.10"	29.62"	87

Three Wire** Three Phase

Model No.	HP	Stages	Volt	A	B	Wt.
21150L3Z	1 1/2	13	230	22.11"	11.75"	36
21150L3Y	1 1/2	13	460	22.11"	11.75"	36
21200L3Z	2	17	230	26.41"	13.62"	43
21200L3Y	2	17	460	26.41"	13.62"	43
21300L3Z	3	23	230	34.23"	16.04"	53
21300L3Y	3	23	460	34.23"	16.04"	53
21500L3Z	5	35	230	47.10"	23.62"	74
21500L3Y	5	35	460	47.10"	23.62"	74

*All one-third horsepower pumps are furnished with one-half horsepower motors (and control boxes where applicable).

**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.



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 L Series - 15 GPM

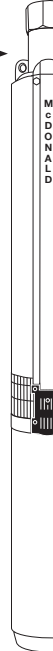


All L Series No-Lead Pumps come with a 1 1/4" discharge and sizes range from 1/3 to 5 horse power (HP). Two wire models up to 1 1/2 horse power (HP) or three wire models up to 5 horse power (HP).

Output - in Gallons Per Minute (Depth to Water)

1/3 HP	PSI	25'	50'	75'	100'	125'	1/2 HP	PSI	25'	50'	75'	100'	125'	150'							
	0	27.82	24.66	21.05	16.70	10.79		0	28.28	25.58	22.58	19.18	15.14	9.84							
	30	17.79	12.38					30	20.00	16.14	11.23	2.99									
	40	12.86	2.69					40	16.46	11.66	3.99										
	50	4.29						50	12.08	4.85											
60						60	5.63														
3/4 HP	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'											
	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																		
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															
1½ HP	PSI	50'	100'	150'	200'	250'	300'	350'	2 HP	PSI	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	
	0	28.02	25.72	23.20	20.39	17.15	13.20	7.62		0	28.57	26.81	24.93	22.92	20.74	18.34	15.61	12.40	8.28	0.77	
	30	24.78	22.16	19.20	15.74	11.35	4.06			30	26.10	24.18	22.11	19.84	17.33	14.44	10.96	6.18			
	40	23.60	20.84	17.68	13.87	8.68				40	25.23	23.24	21.09	18.72	16.05	12.93	9.00	2.66			
	50	22.37	19.44	16.03	11.73	4.93				50	24.33	22.27	20.02	17.53	14.68	11.25	6.63				
60	21.06	17.94	14.19	9.16				60	23.40	21.26	18.91	16.27	13.19	9.34	3.38						
3 HP	PSI	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'	650'							
	0	29.55	28.24	26.88	25.45	23.93	22.33	20.60	18.73	16.67	14.34	11.60	8.12	2.19							
	30	27.72	26.34	24.87	23.33	21.67	19.90	17.96	15.80	13.34	10.38	6.38									
	40	27.09	25.67	24.17	22.58	20.87	19.02	16.99	14.71	12.05	8.72	3.56									
	50	26.44	24.99	23.45	21.80	20.04	18.11	15.98	13.54	10.63	6.75										
60	25.78	24.29	22.70	21.01	19.17	17.16	14.90	12.27	9.01	4.12											
5 HP	PSI	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'	650'	700'	750'	800'	850'	900'	950'	1000'
	0	29.70	28.91	28.10	27.27	26.42	25.54	24.62	23.68	22.69	21.67	20.59	19.47	18.27	17.00	15.63	14.14	12.49	10.61	8.38	5.43
	30	28.60	27.79	26.95	26.08	25.19	24.26	23.30	22.30	21.26	20.17	19.01	17.79	16.48	15.07	13.53	11.80	9.80	7.36	3.85	
	40	28.23	27.40	26.55	25.67	24.76	23.82	22.85	21.83	20.76	19.64	18.46	17.20	15.85	14.38	12.75	10.92	8.75	5.95	0.69	
	50	27.85	27.01	26.15	25.26	24.33	23.38	22.38	21.34	20.25	19.10	17.89	16.59	15.18	13.65	11.94	9.97	7.57	4.20		
60	27.47	26.62	25.74	24.83	23.90	22.92	21.91	20.84	19.73	18.55	17.30	15.95	14.49	12.88	11.07	8.93	6.20	1.48			

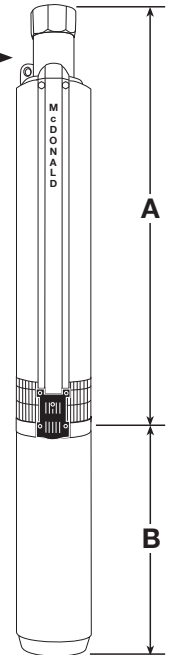
Pump end discharge
1 1/4" FNPT



3 3/4" di-
ameter with
cable guard

Pump end
discharge
1 1/4" FNPT

3 3/4" di-
ameter with
cable guard



FRICITION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

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