

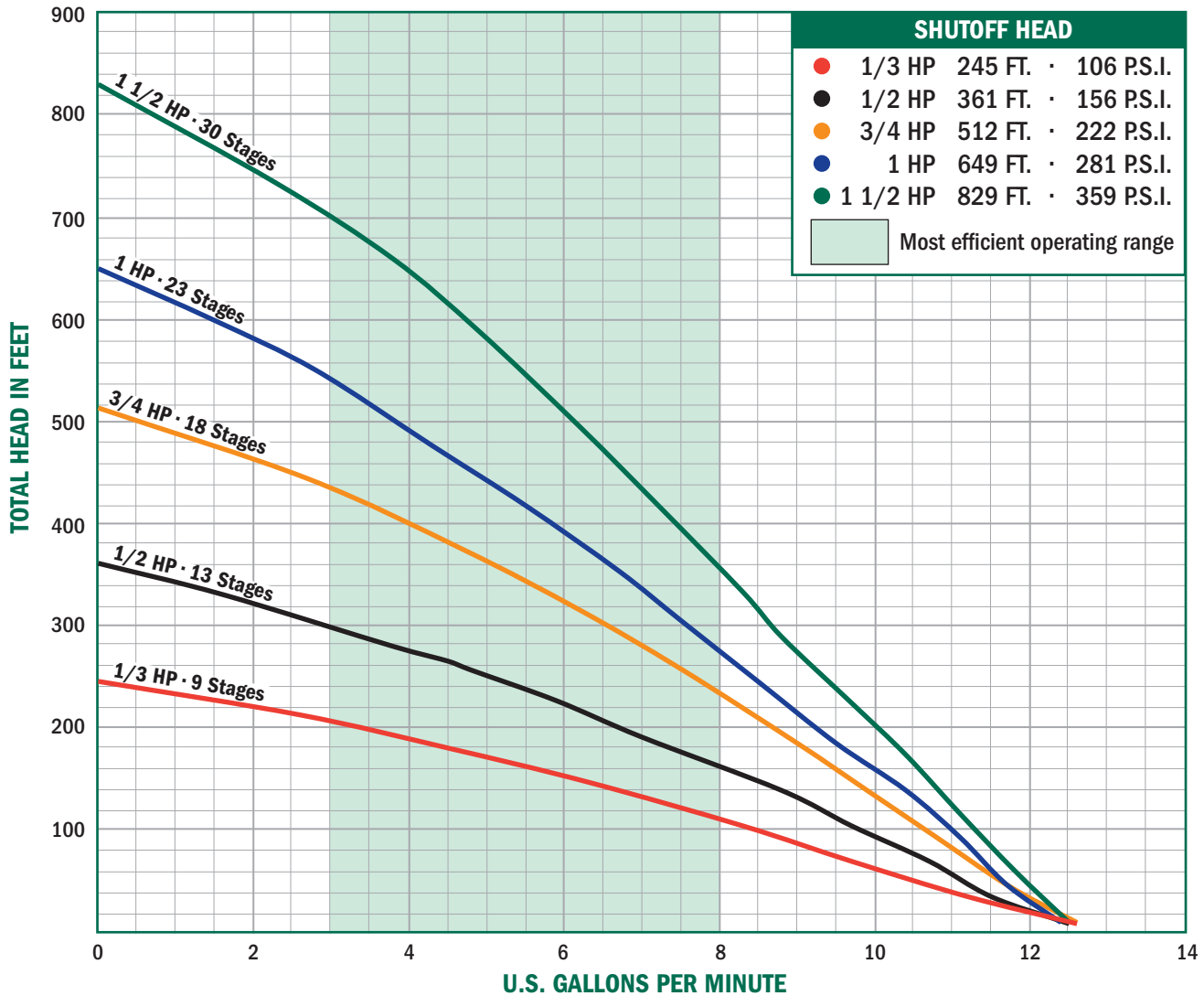
SUBMITTAL DATA SHEET

21000 Series
 4" No-Lead Brass Submersible Pumps
J - 5 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 1/3 to 1 1/2 horsepower (HP). Two or three wire models up to 1 1/2 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

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Submitted by:

SUBMITTAL DATA SHEET

21000 Series 4" No-Lead Brass Submersible Pumps J - 5 GPM



Two Wire Single Phase

Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6627-146	21030J2A*	1/3	9	115	13.5"	13.4"	28
6627-145	21030J2*	1/3	9	230	13.5"	13.4"	30
6627-148	21050J2A	1/2	13	115	16.7"	13.4"	28
6627-147	21050J2	1/2	13	230	16.7"	13.0"	29
6627-149	21075J2	3/4	18	230	20.7"	13.8"	34
6627-150	21100J2	1	23	230	25.9"	16.8"	40
6627-151	21150J2	1 1/2	30	230	31.5"	18.5"	51

Three Wire** Single Phase

Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6627-167	21030J3A*	1/3	9	115	13.5"	9.5"	31
6627-169	21030J3*	1/3	9	230	13.5"	9.5"	31
6627-168	21050J3A	1/2	13	115	16.7"	9.5"	34
6627-170	21050J3	1/2	13	230	16.7"	10.5"	34
6627-171	21075J3	3/4	18	230	20.7"	11.3"	37
6627-172	21100J3	1	23	230	25.9"	13.6"	43
6627-173	21150J3	1 1/2	30	230	31.5"	16.2"	50

Three Wire Three Phase

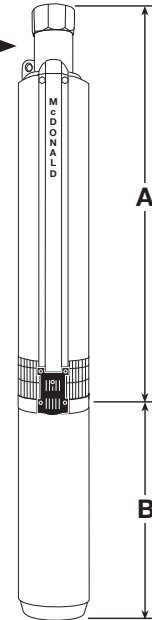
Part No.	Model No.	HP	Stages	Volt	A	B	Wt.
6627-176	21150J3Z	1 1/2	30	230	31.5"	13.6"	48

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.
6627-181	21030J	1/3	10
6627-182	21050J	1/2	11
6627-183	21075J	3/4	13
6627-184	21100J	1	15
6627-185	21150J	1 1/2	18



* 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 starter kit.

Output - in Gallons Per Minute (Depth to Water)

HP	PSI	1/3 HP									PSI	1/2 HP														
		25'	50'	75'	100'	125'	150'	175'	200'	225'		25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'	300'	325'		
1/3	0	11.7	10.6	9.5	8.4	7.3	6.1	4.8	3.4	1.8	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	8.6	7.5	6.4	5.1	3.8	2.2				30	10.0	9.2	8.5	7.8	7.0	6.1	5.3	4.3	3.2	2.1					
	40	7.6	6.4	5.2	3.9	2.3						40	9.3	8.6	7.8	7.0	6.2	5.3	4.4	3.3	2.2					
	50	6.5	5.3	4.0	2.5							50	8.6	7.9	7.1	6.3	5.4	4.4	3.4	2.3						
3/4	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	10.8	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											
1	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	10.6	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																
1 1/2	0	12.0	11.3	10.7	10.0	9.3	8.7	8.0	7.4	6.8	6.1	5.4	4.7	3.9	3.0	1.9										
	30	11.1	10.4	9.7	9.1	8.5	7.8	7.2	6.5	5.9	5.2	4.4	3.6	2.6	1.5											
	40	10.8	10.1	9.4	8.8	8.2	7.5	6.9	6.2	5.6	4.8	4.0	3.1	2.1												
	50	10.5	9.8	9.1	8.5	7.9	7.2	6.6	5.9	5.2	4.5	3.6	2.7	1.5												

FRICITION LOSSES IN RISER PIPE
HAVE NOT BEEN CALCULATED

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