

J Series - 5 GPM

A.Y. McDonald offers a full line of stainless steel 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 stainless steel discharge head with a built-in check valve, and stainless steel shaft and coupling.

All J Series Stainless Steel Pumps come with a 1 1/4" discharge and sizes range from 1/3 to 1 1/2 horse power (HP). Two or three wire models up to 1 1/2 horse power (HP).

Two Wire Single Phase

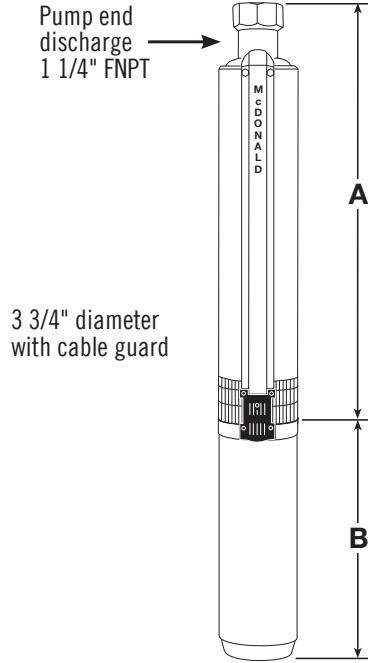
Model No.	HP	Stages	Volt	A	B	Wt.
23030J2A*	1/3	9	115	13.48"	9.53"	26
23030J2*	1/3	9	230	13.48"	9.53"	26
23050J2A	1/2	13	115	16.68"	9.53"	30
23050J2	1/2	13	230	16.68"	9.53"	30
23075J2	3/4	18	230	20.67"	10.66"	36
23100J2	1	23	230	25.93"	11.75"	41
23150J2	1 1/2	30	230	31.45"	15.12"	49

Three Wire** Single Phase

Model No.	HP	Stages	Volt	A	B	Wt.
23030J3A*	1/3	9	115	13.48"	9.53"	26
23030J3*	1/3	9	230	13.48"	9.53"	26
23050J3A	1/2	13	115	16.68"	9.53"	30
23050J3	1/2	13	230	16.68"	9.53"	30
23075J3	3/4	18	230	20.67"	10.66"	36
23100J3	1	23	230	25.93"	11.75"	41
23150J3	1 1/2	30	230	31.45"	13.62"	41

Three Wire** Three Phase

Model No.	HP	Stages	Volt	A	B	Wt.
23150J3Z	1 1/2	30	230	31.45"	15.82"	45



4" Stainless Steel Pump Ends

Model No.	HP	Wt.
23030J	1/3	9
23050J	1/2	10
23075J	3/4	12
23100J	1	13
23150J	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 (see pages 108-118).

Output - in Gallons Per Minute (Depth to Water)

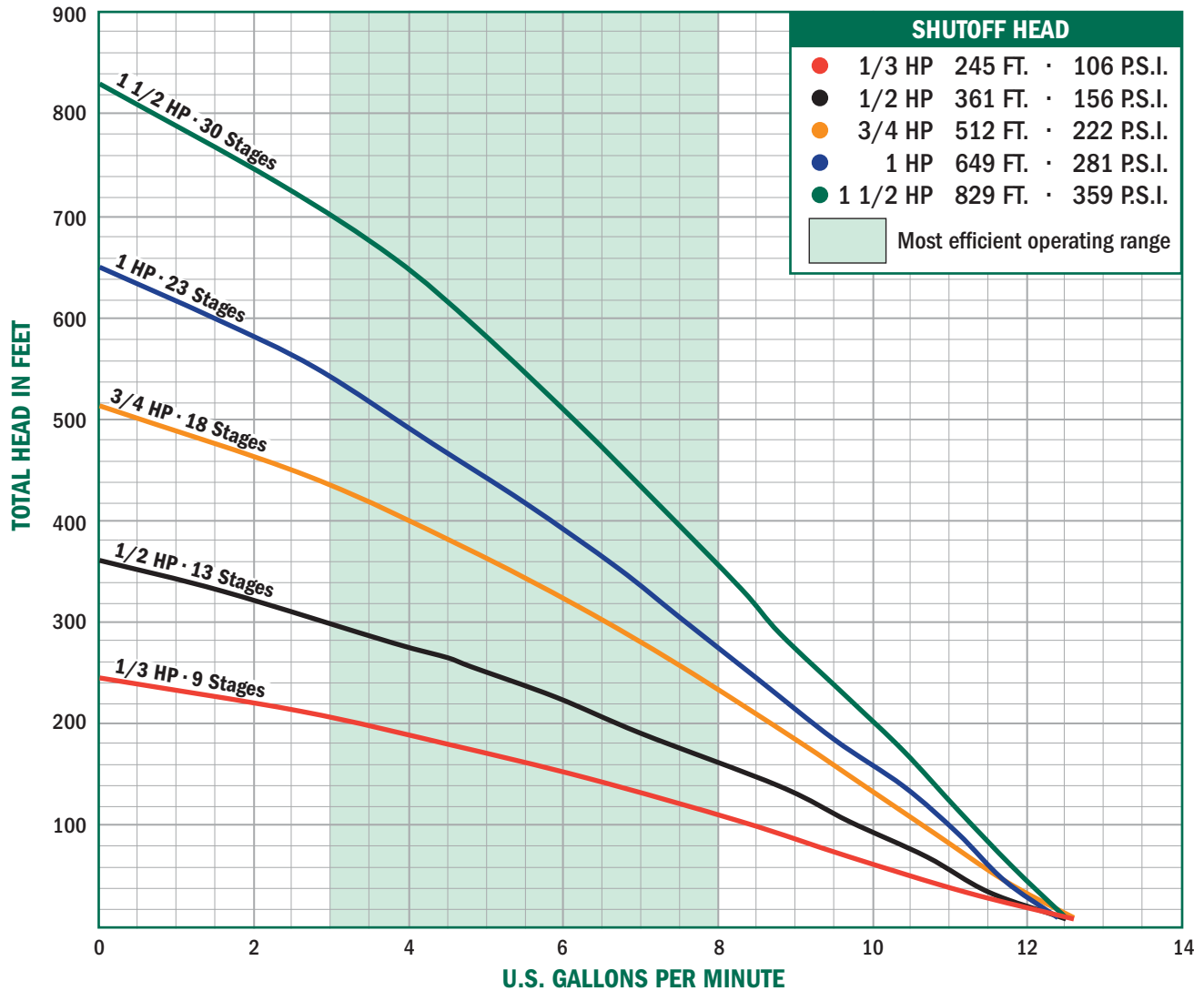
1/3 HP	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'
	0	11.7	10.6	9.5	8.4	7.3	6.1	4.8	3.4	1.8
30	8.6	7.5	6.4	5.1	3.8	2.2				
40	7.6	6.4	5.2	3.9	2.3					
50	6.5	5.3	4.0	2.5						

1/2 HP	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'	300'	325'
	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							

3/4 HP	PSI	25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'	300'	325'	350'	375'	400'	425'	450'
	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					
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						

FRICITION LOSSES IN RISER PIPE
HAVE NOT BEEN CALCULATED

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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	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				
60	9.5	8.6	7.8	6.9	6.0	5.1	4.1	3.0	1.8				

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