

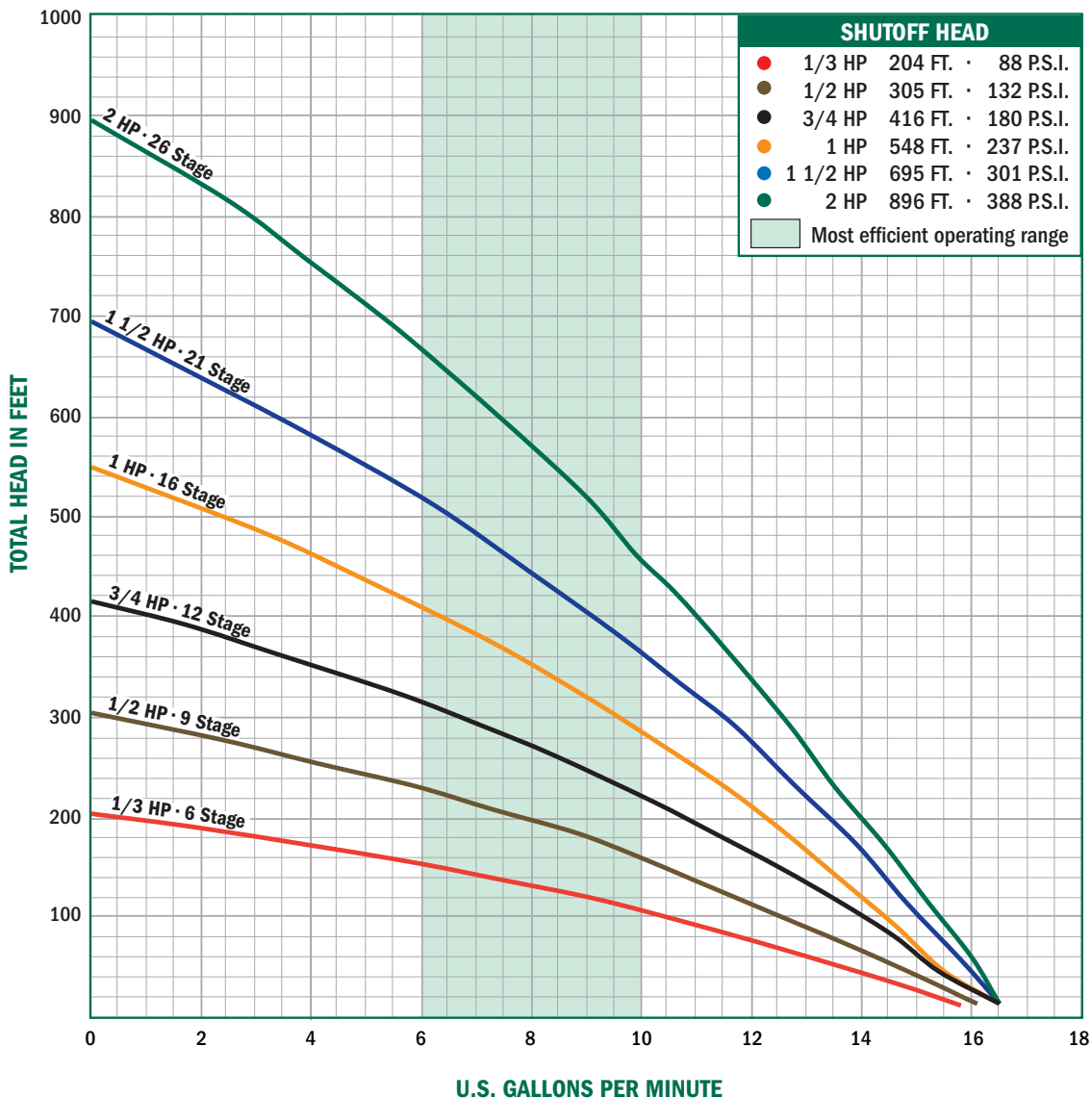
# SUBMITTAL DATA SHEET

23000 Series  
 4" No-Lead Domestic Stainless Steel Submersible Pumps  
**V - 7 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 Stainless Steel Pumps come with a 1 1/4" discharge and sizes range from 1/3 to 2 horsepower (HP). Two wire models up to 1 1/2 and three wire models up to 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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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

## 23000 Series 4" No-Lead Domestic Stainless Steel Submersible Pumps V - 7 GPM



### Two Wire Single Phase

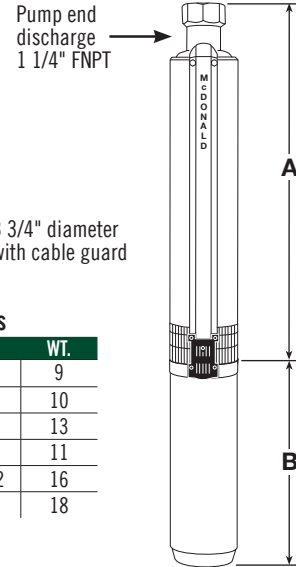
Part No.	Model No.	HP	Stages	Volt	A	B	WT.
6622-031	23030V2A*	1/3	6	115	11.1"	13.4"	25.1
6622-030	23030V2*	1/3	6	230	11.1"	13.4"	26.1
6622-055	23050V2A	1/2	9	115	13.48"	13.4"	25.7
6622-054	23050V2	1/2	9	230	13.48"	13.0"	28.0
6622-073	23075V2	3/4	12	230	15.92"	13.8"	28.8
6622-090	23100V2	1	16	230	19.11"	16.8"	40.0
6622-098	23150V2	1 1/2	21	230	23.58"	18.5"	45.0

### Three Wire\*\* Single Phase

Part No.	Model No.	HP	Stages	Volt	A	B	WT.
6622-033	23030V3A*	1/3	6	115	11.1"	9.5"	26.1
6622-032	23030V3*	1/3	6	230	11.1"	9.5"	27.1
6622-057	23050V3A	1/2	9	115	13.5"	9.5"	23.2
6622-056	23050V3	1/2	9	230	13.5"	10.5"	28.2
6622-074	23075V3	3/4	12	230	15.2"	11.3"	32.1
6622-091	23100V3	1	16	230	19.1"	13.6"	36.3
6622-099	23150V3	1 1/2	21	230	23.6"	16.2"	47.8
6622-108	23200V3	2	26	230	28.3"	16.2"	50.8

### 4" Stainless Steel Pump Ends

Part No.	Model No.	HP	WT.
6622-029	23030V	1/3	9
6622-053	23050V	1/2	10
6622-072	23075V	3/4	13
6622-089	23100V	1	11
6622-097	23150V	1 1/2	16
6622-107	23200V	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							1/2 HP							3/4 HP							1 HP							1 1/2 HP							2 HP																			
		25'	50'	75'	100'	125'	150'	175'	200'	225'	250'	275'	300'	325'	350'	375'	400'	425'	450'	475'	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'	650'	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'	650'	700'	750'	800'	850'						
1/3	0	15.1	13.7	12.2	10.5	8.6	6.4	3.8	0	15.6	14.6	13.6	12.6	11.5	10.4	9.2	7.8	6.3	4.5	2.5	0	16.1	15.5	14.8	14.0	13.3	12.5	11.6	10.8	9.9	8.9	7.8	6.7	5.5	4.2	2.8	0	16.1	15.5	15.0	14.4	13.9	13.3	12.8	12.2	11.6	11.0	10.3	9.6	8.9	8.1	7.2	6.3	5.4	4.5	3.5
	30	10.9	9.0	6.9	4.4	1.3	30	12.8	11.8	10.7	9.5	8.2	6.8	5.1	3.1	30	14.5	14.0	13.5	12.9	12.3	11.8	11.1	10.5	9.8	9.1	8.3	7.4	6.6	5.6	4.7	3.7	2.7	30	15.1	14.5	13.8	13.0	12.3	11.5	10.7	9.8	8.9	8.0	7.0	6.0	4.9	3.7	2.3							
	40	9.2	7.1	4.6	1.6	40	11.9	10.8	9.6	8.3	6.8	5.1	3.1	40	14.0	13.5	12.9	12.4	11.8	11.2	10.5	9.9	9.1	8.3	7.5	6.6	5.7	4.7	3.8	2.8	40	14.8	14.1	13.4	12.7	11.9	11.1	10.3	9.4	8.5	7.6	6.5	5.5	4.3	3.1	1.7										
	50	7.2	4.8	1.9	50	10.9	9.7	8.4	6.9	5.2	3.3	50	14.0	13.5	12.6	11.6	10.5	9.4	8.1	6.7	5.2	3.6	1.9	50	14.0	13.5	12.6	11.6	10.5	9.4	8.1	6.7	5.2	3.6	1.9	50	14.0	13.5	12.6	11.6	10.5	9.4	8.1	6.7	5.2	3.6	1.9									
	60	7.2	4.8	1.9	60	9.8	8.5	7.0	5.4	3.4	1.3	60	12.0	11.2	10.3	9.3	8.3	7.2	6.1	4.8	3.4	1.9	60	13.0	12.5	11.9	11.3	10.6	10.0	9.2	8.5	7.6	6.8	5.8	4.9	3.9	2.9	1.9																		
1/2	0	15.1	14.3	13.4	12.4	11.4	10.4	9.2	7.9	6.5	5.0	3.4	1.6	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	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	30	14.8	13.9	13.0	12.1	11.0	9.9	8.7	7.4	5.9	4.4	2.7	30	14.8	13.9	13.0	12.1	11.0	9.9	8.7	7.4	5.9	4.4	2.7	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	40	14.4	13.5	12.6	11.6	10.5	9.4	8.1	6.7	5.2	3.6	1.9	40	14.4	13.5	12.6	11.6	10.5	9.4	8.1	6.7	5.2	3.6	1.9	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	50	14.0	13.1	12.1	11.1	10.0	8.8	7.5	6.0	4.5	2.8	50	14.0	13.1	12.1	11.1	10.0	8.8	7.5	6.0	4.5	2.8	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	60	13.6	12.7	11.7	10.6	9.5	8.2	6.8	5.3	3.7	2.0	60	13.6	12.7	11.7	10.6	9.5	8.2	6.8	5.3	3.7	2.0	60	13.6	12.7	11.7	10.6	9.5	8.2	6.8	5.3	3.7	2.0												
2	0	16.1	15.4	14.7	14.0	13.3	12.6	11.8	11.0	10.2	9.3	8.4	7.4	6.4	5.3	4.1	2.9	1.5	0	16.1	15.4	14.7	14.0	13.3	12.6	11.8	11.0	10.2	9.3	8.4	7.4	6.4	5.3	4.1	2.9	1.5	0	16.1	15.4	14.7	14.0	13.3	12.6	11.8	11.0	10.2	9.3	8.4	7.4	6.4	5.3	4.1	2.9	1.5		
	30	15.1	14.5	13.8	13.0	12.3	11.5	10.7	9.8	8.9	8.0	7.0	6.0	4.9	3.7	2.3	30	15.1	14.5	13.8	13.0	12.3	11.5	10.7	9.8	8.9	8.0	7.0	6.0	4.9	3.7	2.3	30	15.1	14.5	13.8	13.0	12.3	11.5	10.7	9.8	8.9	8.0	7.0	6.0	4.9	3.7	2.3								
	40	14.8	14.1	13.4	12.7	11.9	11.1	10.3	9.4	8.5	7.6	6.5	5.5	4.3	3.1	1.7	40	14.8	14.1	13.4	12.7	11.9	11.1	10.3	9.4	8.5	7.6	6.5	5.5	4.3	3.1	1.7	40	14.8	14.1	13.4	12.7	11.9	11.1	10.3	9.4	8.5	7.6	6.5	5.5	4.3	3.1	1.7								
	50	14.5	13.8	13.1	12.3	11.5	10.7	9.9	9.0	8.1	7.1	6.1	4.9	3.8	2.4	50	14.5	13.8	13.1	12.3	11.5	10.7	9.9	9.0	8.1	7.1	6.1	4.9	3.8	2.4	50	14.5	13.8	13.1	12.3	11.5	10.7	9.9	9.0	8.1	7.1	6.1	4.9	3.8	2.4											
	60	14.2	13.5	12.7	12.0	11.2	10.3	9.5	8.6	7.6	6.6	5.6	4.4	3.2	1.8	60	14.2	13.5	12.7	12.0	11.2	10.3	9.5	8.6	7.6	6.6	5.6	4.4	3.2	1.8	60	14.2	13.5	12.7	12.0	11.2	10.3	9.5	8.6	7.6	6.6	5.6	4.4	3.2	1.8											

FRICITION 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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