

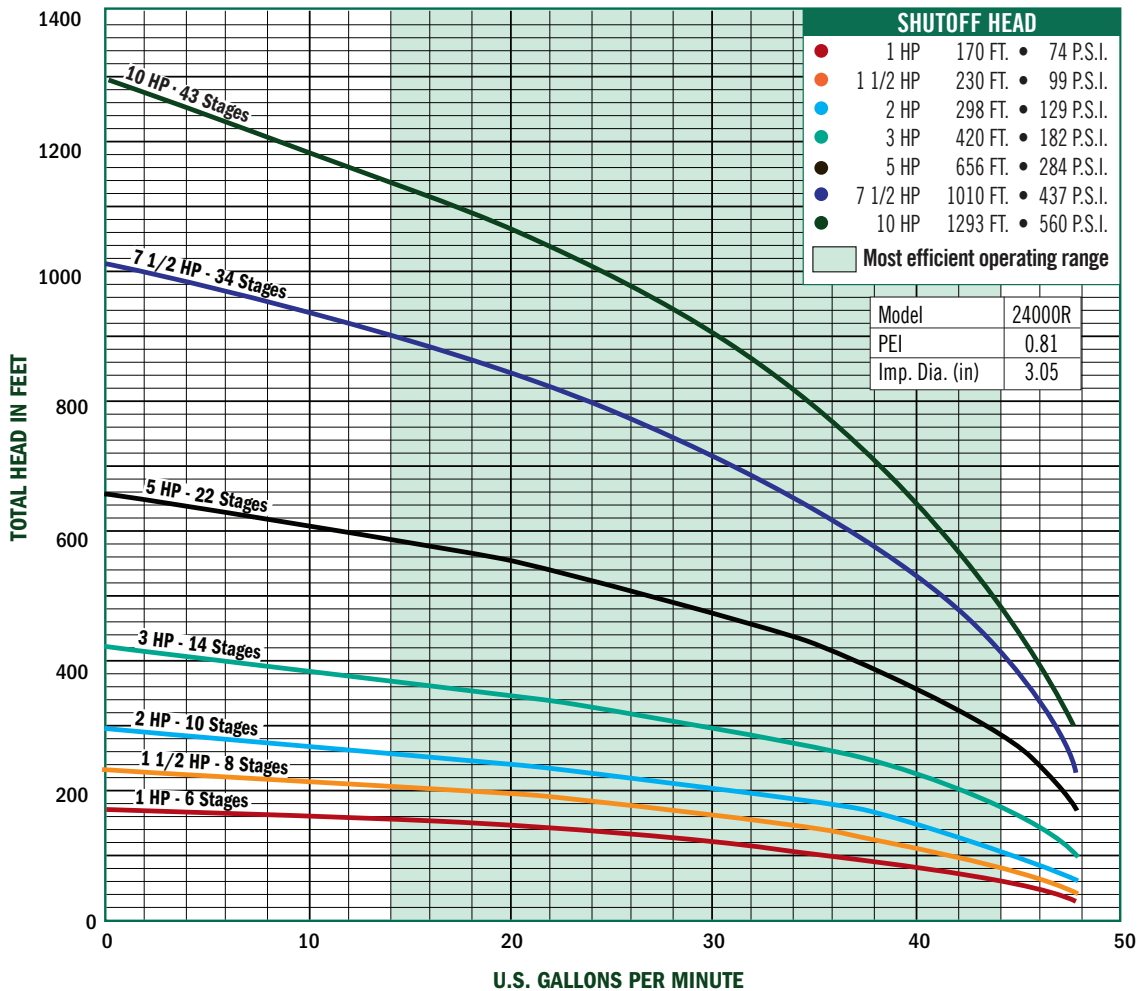
# SUBMITTAL DATA SHEET

24000 Series High Flow  
4" No-Lead Stainless Steel Submersible Pumps

## R - 35 GPM



All Stainless Steel Submersible Pumps are designed to pump within the 35 gallons per minute (GPM) range. Sizes are available from 1 to 10 HP. All models are standard with 2" NPT discharge.



**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.**  
P.O. Box 508  
Dubuque, IA 52004-0508

**Toll Free:** 1-800-292-2737  
**Fax:** 1-800-832-9296  
**Hours:** 7:00 a.m. - 5:00 p.m., CST

[sales@aymcdonald.com](mailto:sales@aymcdonald.com)  
[www.aymcdonald.com](http://www.aymcdonald.com)

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

## 24000 Series High Flow 4" No-Lead Stainless Steel Submersible Pumps R - 35 GPM



### Two Wire Single Phase

Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24100R2	1	6	230	14.1"	2"	3.9"	29.1"	38
24150R2	1 1/2	8	230	16.6"	2"	3.9"	32.5"	40

### Three Wire Single Phase

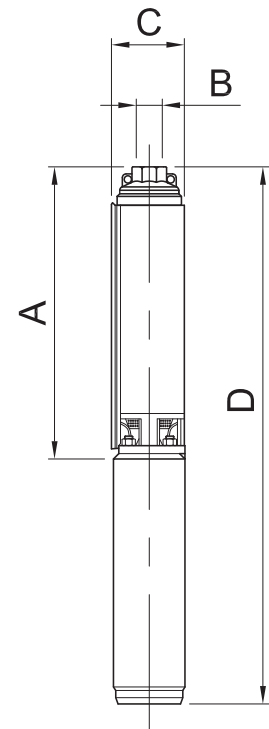
Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24150R3Z	1 1/2	8	230	16.6"	2"	3.9"	31.5"	42
24150R3Y	1 1/2	8	460	16.6"	2"	3.9"	31.5"	37
24200R3Z	2	10	230	19.0"	2"	3.9"	35.0"	62
24200R3Y	2	10	460	19.0"	2"	3.9"	35.0"	48
24300R3Z	3	14	230	23.9"	2"	3.9"	41.2"	60
24300R3Y	3	14	460	23.9"	2"	3.9"	41.2"	54
24500R3Z	5	22	230	35.2"	2"	3.9"	62.0"	79
24500R3Y	5	22	460	35.2"	2"	3.9"	62.0"	74
24750R3Z	7 1/2	34	230	49.5"	2"	3.9"	76.4"	98
24750R3Y	7 1/2	34	460	49.5"	2"	3.9"	76.4"	97
241000R3Y	10	43	460	51.9"	2"	3.9"	82.7"	159

### Three Wire Three Phase

Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24100R3	1	6	230	14.1"	2"	3.9"	29.1"	38
24150R3	1 1/2	8	230	16.6"	2"	3.9"	32.5"	48
24200R3	2	10	230	19.0"	2"	3.9"	36.3"	52
24300R3	3	14	230	23.9"	2"	3.9"	43.4"	75
24500R3	5	22	230	35.2"	2"	3.9"	62.0"	103

### 4" Stainless Steel Pump Ends

Model No.	HP	WT.
24100R	1	8
24150R	1 1/2	9
24200R	2	11
24300R	3	13
24500R	5	18
24750R	7 1/2	26
241000R	10	31



### Output - in Gallons Per Minute (Depth to Water)

HP	PSI	20'	40'	60'	80'	100'	120'	140'									
	0				43	39	34	27.5	17.5								
1 HP	30	38	32	24	15	19											
	50	24	14														
1 1/2 HP	PSI	20'	40'	60'	80'	100'	120'	140'	160'	180'	200'						
	0				44	42	38	34	30	24	16						
30		40	37	28	25	22	10										
	50	37	28	25	20	8											
2 HP	PSI	40'	60'	80'	100'	120'	140'	160'	180'	200'	220'	240'	260'				
	0				44.3	42.3	41	39	35	30	24	18	12				
30		42	41	39	35	30	21	16	9								
	50	41	39	35	30	21	16	8									
3 HP	PSI	60'	80'	100'	120'	140'	160'	180'	200'	220'	240'	260'	280'	300'	340'	380'	
	0						44.5	43.5	42	40	38	35.8	32.2	28	20	10	
30			44	42.5	41	40	38	35	32	26	24	20	14				
	50	42.5	41	40.5	39	36	34	31	27	22	18	13					
5 HP	PSI	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'						
	0			45	43	40	36.5	32	26.8	20	11.8						
30			44.5	42	39	32	30	24	16.8								
	50	44.5	42.5	39.8	35.8	29	25										
7 1/2 HP	PSI	300'	350'	400'	450'	500'	550'	600'	650'	700'	750'	800'	850'	900'			
	0					41	39	36.5	34	31	27	23.5	19	12			
30				41	40	38	35	32.3	29	25	22	17	12				
	50	43	42	40	37.8	5	31.3	29	26	21	16	12					
10 HP	PSI	450'	500'	550'	600'	650'	700'	750'	800'	850'	900'	950'	1000'	1050'	1100'	1150'	1200'
	0				43	41	40	38	36	34	31.5	28.5	26	22.3	18.2	14.2	10
30			43.2	41.2	40.3	38.3	37	35	33	30	27.3	24	21	17	13		
	50	43.5	42.2	40.5	39.5	37	35.8	33	31	28	25	21	18				

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

**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.



A.Y. McDonald Mfg. Co.  
P.O. Box 508  
Dubuque, IA 52004-0508

Toll Free: 1-800-292-2737  
Fax: 1-800-832-9296  
Hours: 7:00 a.m. - 5:00 p.m., CST

sales@aymcdonald.com  
www.aymcdonald.com

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: