SUBMITTAL DATA SHEET

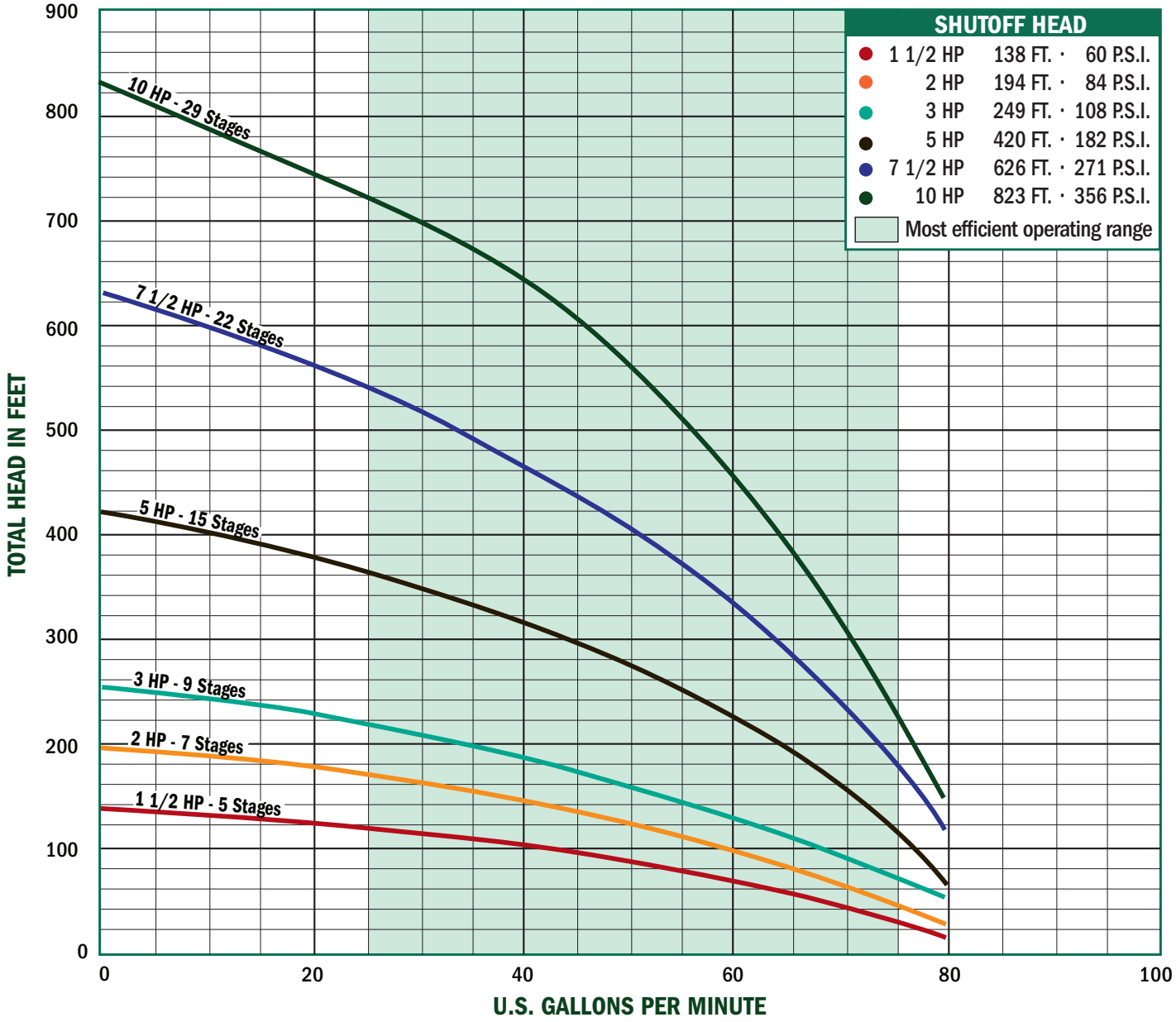
24000 Series

High FLow 4” Stainless Steel 35-80 GPM

S Series - 55 GPM



All S series submersible pumps are designed to pump within the 55 GPM range. Sizes are available from 1 1/2 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.

EST. 1856 McDonald

A.Y. McDonald Mfg. Co.
P.O. Box 508
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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:

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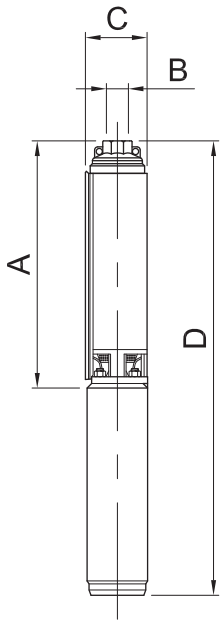

Models Available

Two Wire Single Phase

Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24150S2	1 1/2	5	230	17.0”	2”	3.9”	33.0”	40

Three Wire Single Phase

Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24150S3	1 1/2	5	230	17.0”	2”	3.9”	33.0”	44
24200S3	2	7	230	21.1”	2”	3.9”	38.5”	48
24300S3	3	9	230	25.2”	2”	3.9”	44.7”	60
24500S3	5	15	230	37.5”	2”	3.9”	64.4”	95

Three Wire Three Phase

Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24150S3Z	1 1/2	5	230	17.0”	2”	3.9”	32.0”	38
24150S3Y	1 1/2	5	460	17.0”	2”	3.9”	32.0”	38
24200S3Z	2	7	230	21.1”	2”	3.9”	37.1”	44
24200S3Y	2	7	460	21.1”	2”	3.9”	37.1”	44
24300S3Z	3	9	230	25.2”	2”	3.9”	42.6”	51
24300S3Y	3	9	460	25.2”	2”	3.9”	42.6”	51
24500S3Z	5	15	230	37.5”	2”	3.9”	64.4”	74
24500S3Y	5	15	460	37.5”	2”	3.9”	64.4”	73
24750S3Z	7 1/2	22	230	53.0”	2”	3.9”	79.8”	97
24750S3Y	7 1/2	22	460	53.0”	2”	3.9”	79.8”	95
241000S3Y	10	29	460	67.2”	2”	3.9”	98.1”	106

Output - in Gallons Per Minute (Depth to Water)

	PSI	20’	30’	40’	50’	60’	70’	80’	90’	100’	120’
1½ HP	0			72.5	67.5	65	60	52.5	45	42.5	20
	30	47.5	42.5	32.5	20						
	50										

	PSI	10’	20’	30’	40’	50’	60’	70’	80’	90’	100’	120’	140’	160’	180’
2 HP	0				77.5	75	72.5	68	67	62.5	60	52	42.5	32	19
	30		62	60	55	52	47	43	37	32	25				
	50	48	45	38	35	27	23								

	PSI	20’	30’	40’	50’	60’	70’	80’	90’	100’	120’	140’	160’	180’	200’	240’
3 HP	0					79	76	73	70	68	62.5	57	50	42	34	24
	30			66	62.5	60	57	53	50	46	38	24	17			
	50	60	58	53	46	45	40	37	33	27	16					

	PSI	40’	60’	80’	100’	120’	160’	180’	200’	220’	240’	260’	280’	300’	320’	340’	360’	380’
5 HP	0				77	75	70	67	65	61	58	53	49	44	38	33	26	18
	30		74	72	68	66	58	55	51	47	41	36	29	22				
	50	71	68	65	62	58	51	46	41	35	30	22						

FRICTION LOSSES IN RISER PIPE HAVE NOT BEEN CALCULATED

	PSI	80’	100’	120’	140’	160’	180’	200’	220’	240’	260’	280’	300’	340’	380’	420’	460’	500’	540’
7½ HP	0					77	75	74	72	70	68	66	64	58	54	47.5	40	33	25
	30			74	72.5	71	69	67	65	63	60	57	55	47	42	35	27		
	50	74	72	71	68	67	65	62	60	57	55	52	48	42	35				

	PSI	100’	120’	140’	160’	180’	200’	220’	240’	260’	280’	300’	340’	380’	420’	460’	500’	540’	580’	620’	660’	700’	740’
10 HP	0					78	77	76	75	74	73	72	69	67	63	59	55	52	47	41	35	30	20
	30			77	76	75	74	72	71	70	67	66	62	60	57	53	47	43	37	31	23		
	50	77	76	75	74	72	71	70	67	66	62	60	57	56	53	50	42	40	33				

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