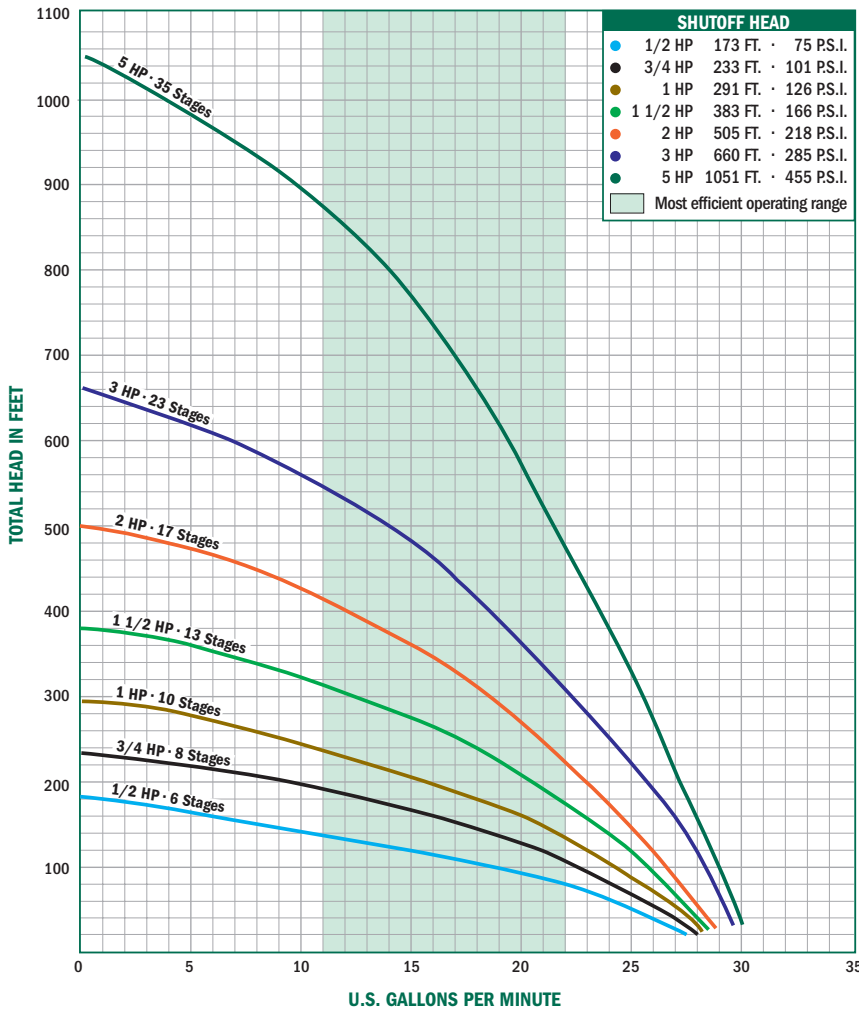


SUBMITTAL DATA SHEET

4" No-Lead Stainless Steel Submersible Pumps AutoPACs 23000 - 15 GPM



Stainless Steel - 23000 Series

Two Wire Single Phase, w/Pressure Switch

Model No.	Model No.	HP	Stages	Volt	WT.
6630-586	23050L2-APS	1/2 HP	6	230V	42
6630-598	23075L2-APS	3/4 HP	8	230V	45
6630-610	23100L2-APS	1 HP	10	230V	50
6630-622	23150L2-APS	1 1/2 HP	13	230V	57

Three Wire Single Phase, w/Pressure Switch

Model No.	Model No.	HP	Stages	Volt	WT.
6630-634	23050L3-APS	1/2 HP	6	230V	40
6630-646	23075L3-APS	3/4 HP	8	230V	42
6630-658	23100L3-APS	1 HP	10	230V	49
6630-670	23150L3-APS	1 1/2 HP	13	230V	56
6630-680	23200L3-APS	2 HP	17	230V	58

Two Wire Single Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-580	23050L2-APT	1/2 HP	6	230V	42
6630-592	23075L2-APT	3/4 HP	8	230V	45
6630-604	23100L2-APT	1 HP	10	230V	50
6630-616	23150L2-APT	1 1/2 HP	13	230V	57

Three Wire Single Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-628	23050L3-APT	1/2 HP	6	230V	40
6630-640	23075L3-APT	3/4 HP	8	230V	42
6630-652	23100L3-APT	1 HP	10	230V	49
6630-664	23150L3-APT	1 1/2 HP	13	230V	56
6630-675	23200L3-APT	2 HP	17	230V	58

Three Wire Three Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-885	23100L3Z-APT	1 HP	10	230V	50
6630-852	23150L3Z-APT	1 1/2 HP	13	230V	49
6630-685	23200L3Z-APT	2 HP	17	230V	56
*6630-689	23300L3Z-APT	3 HP	23	230V	69
*6630-693	23500L3Z-APT	5 HP	35	230V	85

*3 HP and 5 HP AutoPAC's will be sold as sales kits (shipped in three boxes)

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

Toll Free: 1-800-292-2737
sales@aymcdonald.com
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

4" No-Lead Stainless Steel Submersible Pumps AutoPACs Enclosure Overview



Technical Specifications - Single Phase

Physical / Environmental	
Operating Temperature Range	1/3 HP to 2 HP -20°C to 50°C (-4 F to 122°F)
Storage Temperature Range	-30°C to 60°C (-22°F to 140°F)
Enclosure	NEMA Type 3R: Outdoor I Rainproof
Altitude	Derate by 5 °C every 2000 ft over 5500 ft of elevation
Dimensions	12.25 in x 9.25 in x 4.68 in
Weight	13 lbs
Specifications	
Model Number	SD1-2HP2PS SD1-2HP2
Horsepower	1/3 HP to 2 HP
Motor Style	2-Wire or 3-Wire
Rated Current	
Rated Input Current	Max: 28 A
Rated Output Current	Max: 16 A
Input Power	
Input Phase	Single Phase
Input Voltage	115 / 230 VAC
Input Voltage Range	90V to 160V / 180V to 260V
Input Frequency	60 Hz
Output Power	
Output Phase	Single Phase
Output Voltage	Equal to input
Output Frequency	5 Hz to 120 Hz
Horsepower	1/3 HP to 2 HP
Switching Frequency	2 kHz to 8 kHz
Output	V/f control
Electrical	
Short Circuit Withstand Rating	5 kA RMS Symmetrical Amps
Efficiency	95%
Startup Ramp Time	0 to 120 s
Shutdown Ramp Time	0 to 120 s or Coast To Stop
Overload Capacity	150% for 2 s
<i>Rated output current for 2 HP model based on typical full load current for submersible motors.</i>	
Digital Inputs	
Quantity	Two Programmable
Ratings	<15 V 7 mA Galvanically Isolated
Analog Inputs	
Quantity	Two Programmable
Current Reference	4-20 mA One Input
Voltage Reference	0 to 5 VDC One Input
Terminal Block Size	24 to 16 AWG

Technical Specifications - Three Phase

Physical / Environmental	
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)
Storage Temperature Range	-20°C to 40°C (-4°F to 104°F)
Enclosure	NEMA Type 3R: Outdoor I Rainproof
Altitude	Derate by 5 °C every 2000 ft over 5500 ft of elevation
Dimensions	12.25 in x 9.25 in x 4.68 in
Weight	13 lbs
Specifications	
Model Number	SD3-2HP2 SD3-3HP2 SD3-5HP2
Horsepower	2 HP, 3 HP, 5 HP
Motor Style	3-Wire
Rated Current	
Rated Input Current	Max: 20 A, 30 A, 42 A
Rated Output Current	Max: 11 A, 13 A, 22 A
Input Power	
Input Phase	Single Phase
Input Voltage	230 VAC
Input Voltage Range	190V to 275V
Input Frequency	60 Hz
Output Power	
Output Phase	Three Phase
Output Voltage	230V
Output Voltage Range	190V - 275V
Output Frequency	5 Hz to 300 Hz
Horsepower	2 HP to 5 HP
Switching Frequency	2 kHz to 8 kHz
Output	V/f control
Electrical	
Short Circuit Withstand Rating	5 kA RMS Symmetrical Amps
Efficiency	95%
Startup Ramp Time	1 to 120 s
Shutdown Ramp Time	1 to 120 s or Coast To Stop
Overload Capacity	120% for 60 s
Analog Inputs	
Quantity	Two Programmable
Current Reference	4-20 mA Two Input
Voltage Reference	0 to 5 VDC One Input
Terminal Block Size	24 to 16 AWG

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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