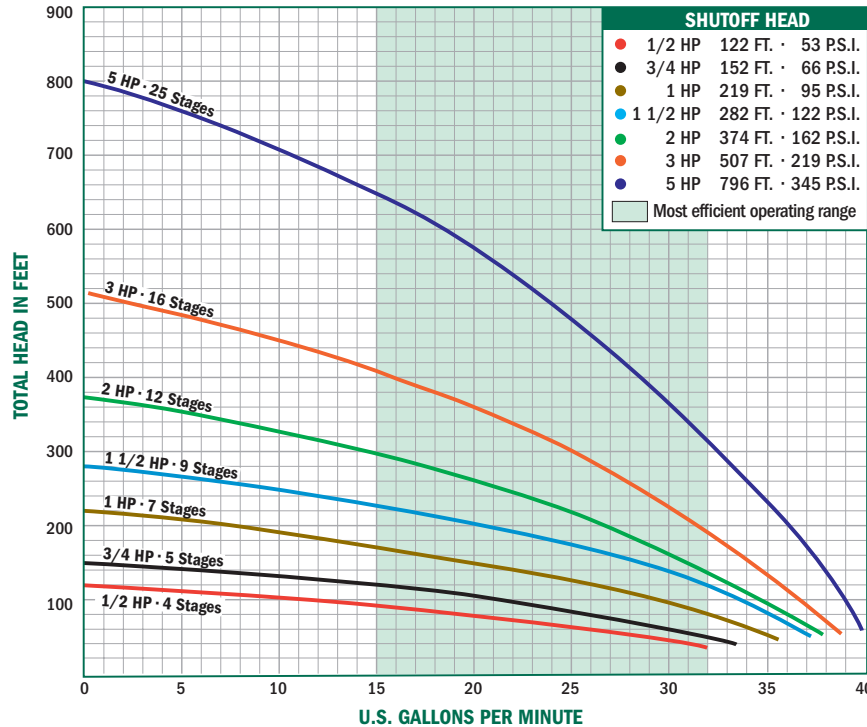


# SUBMITTAL DATA SHEET

## 4" No-Lead Stainless Steel Submersible Pumps AutoPACs 23000 - 25 GPM



### Stainless Steel - 23000 Series

Two Wire Single Phase, w/Pressure Switch

Model No.	Model No.	HP	Stages	Volt	WT.
6630-588	23050M2-APS	1/2 HP	4	230V	41
6630-600	23075M2-APS	3/4 HP	5	230V	43
6630-612	23100M2-APS	1 HP	7	230V	49
6630-624	23150M2-APS	1 1/2 HP	9	230V	55

Three Wire Single Phase, w/Pressure Switch

Model No.	Model No.	HP	Stages	Volt	WT.
6630-636	23050M3-APS	1/2 HP	4	230V	39
6630-648	23075M3-APS	3/4 HP	5	230V	40
6630-660	23100M3-APS	1 HP	7	230V	48
6630-672	23150M3-APS	1 1/2 HP	9	230V	54
6630-682	23200M3-APS	2 HP	12	230V	56

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

Two Wire Single Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-582	23050M2-APT	1/2 HP	4	230V	41
6630-594	23075M2-APT	3/4 HP	5	230V	43
6630-606	23100M2-APT	1 HP	7	230V	49
6630-618	23150M2-APT	1 1/2 HP	9	230V	55

Three Wire Single Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-630	23050M3-APT	1/2 HP	4	230V	39
6630-642	23075M3-APT	3/4 HP	5	230V	40
6630-654	23100M3-APT	1 HP	7	230V	48
6630-666	23150M3-APT	1 1/2 HP	9	230V	54
6630-677	23200M3-APT	2 HP	12	230V	56

Three Wire Three Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-887	23100M3Z-APT	1 HP	7	230V	50
6630-854	23150M3Z-APT	1 1/2 HP	9	230V	47
6630-687	23200M3Z-APT	2 HP	12	230V	54
*6630-691	23300M3Z-APT	3 HP	16	230V	65
*6630-695	23500M3Z-APT	5 HP	25	230V	80

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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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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