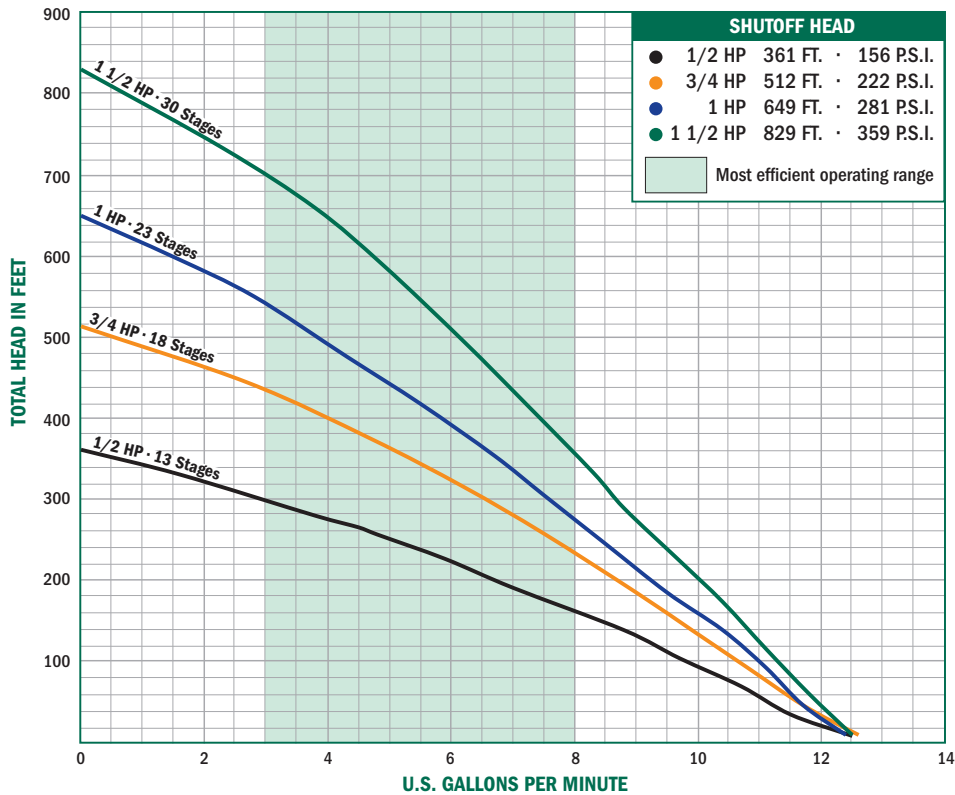


SUBMITTAL DATA SHEET

4" No-Lead Stainless Steel Submersible Pumps AutoPACs 23000 - 5 GPM



Stainless Steel - 23000 Series

Two Wire Single Phase, w/Pressure Switch

Model No.	Model No.	HP	Stages	Volt	WT.
6630-583	23050J2-APS	1/2 HP	13	230V	44
6630-595	23075J2-APS	3/4 HP	18	230V	47
6630-607	23100J2-APS	1 HP	23	230V	55
6630-619	23150J2-APS	1 1/2 HP	30	230V	64

Two Wire Single Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-577	23050J2-APT	1/2 HP	13	230V	44
6630-589	23075J2-APT	3/4 HP	18	230V	47
6630-601	23100J2-APT	1 HP	23	230V	55
6630-613	23150J2-APT	1 1/2 HP	30	230V	64

Three Wire Single Phase, w/Pressure Switch

Model No.	Model No.	HP	Stages	Volt	WT.
6630-631	23050J3-APS	1/2 HP	13	230V	42
6630-643	23075J3-APS	3/4 HP	18	230V	44
6630-655	23100J3-APS	1 HP	23	230V	54
6630-667	23150J3-APS	1 1/2 HP	30	230V	63

Three Wire Single Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-625	23050J3-APT	1/2 HP	13	230V	42
6630-637	23075J3-APT	3/4 HP	18	230V	44
6630-649	23100J3-APT	1 HP	23	230V	54
6630-661	23150J3-APT	1 1/2 HP	30	230V	63

Three Wire Three Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-849	23150J3Z-APT	1 1/2 HP	30	230V	56

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.
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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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