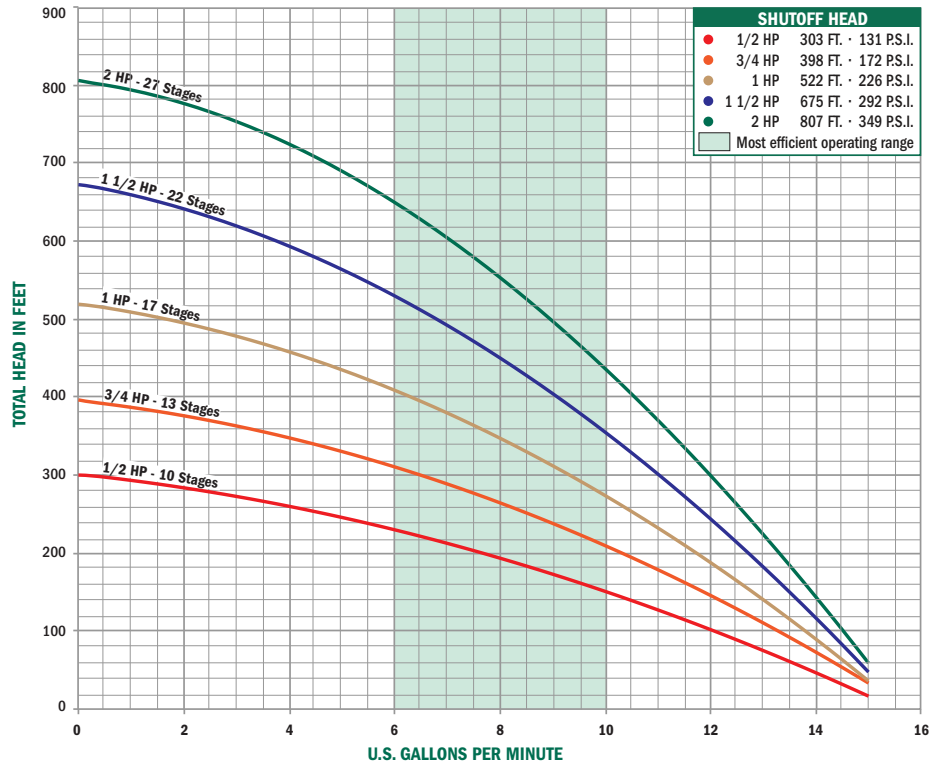


SUBMITTAL DATA SHEET

4" No-Lead Stainless Steel Submersible Pumps AutoPACs 24000 - 7 GPM



Stainless Steel - 24000 Series

Two Wire Single Phase, w/Pressure Switch

Model No.	Model No.	HP	Stages	Volt	WT.
6630-702	24050V2-APS	1/2 HP	10	230V	42
6630-712	24075V2-APS	3/4 HP	13	230V	45
6630-723	24100V2-APS	1 HP	17	230V	53
6630-735	24150V2-APS	1 1/2 HP	22	230V	60

Two Wire Single Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-697	24050V2-APT	1/2 HP	10	230V	42
6630-707	24075V2-APT	3/4 HP	13	230V	45
6630-717	24100V2-APT	1 HP	17	230V	53
6630-729	24150V2-APT	1 1/2 HP	22	230V	60

Three Wire Single Phase, w/Pressure Switch

Model No.	Model No.	HP	Stages	Volt	WT.
6630-746	24050V3-APS	1/2 HP	10	230V	40
6630-756	24075V3-APS	3/4 HP	13	230V	42
6630-767	24100V3-APS	1 HP	17	230V	52
6630-779	24150V3-APS	1 1/2 HP	22	230V	59
6630-789	24200V3-APS	2 HP	27	230V	61

Three Wire Single Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-741	24050V3-APT	1/2 HP	10	230V	40
6630-751	24075V3-APT	3/4 HP	13	230V	42
6630-761	24100V3-APT	1 HP	17	230V	52
6630-773	24150V3-APT	1 1/2 HP	22	230V	59
6630-784	24200V3-APT	2 HP	27	230V	61

Three Wire Three Phase, w/Transducer

Model No.	Model No.	HP	Stages	Volt	WT.
6630-856	24150V3Z-APT	1 1/2 HP	22	230V	52
6630-794	24200V3Z-APT	2 HP	27	230V	59

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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