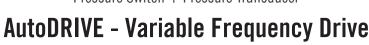
SUBMITTAL DATA SHEET

115V / 230V | Single Phase Output - 1/3 HP to 2 HP | 2 Wire & 3 Wire Motors Pressure Switch | Pressure Transducer







Constant Pressure

- Reduced tank size
- Quick & simple installation

Easy Setup

- Setup constant pressure in 5 steps or less

Large Graphic Display

- Bright backlit screen
- Visible in direct sunlight

Part No.	Model No.	HP	Wt.
6619-018	SD1-2HP2PS w/Pressure Switch	2	13
6619-019	SD1-2HP2 w/Transducer	2	13
6619-020	SD3-2HP2*	2	13
6619-021	SD3-3HP2	3	13
6619-022	SD3-5HP2	5	13

^{* 1 1/2} HP 3 Phase Motor assembled units use the SD3-2HP2 DRIVE

Rugged & Compact

- NEMA 3R steel enclosure
- Rated to 122°F, (104°F for SD3-5HP2)

Feature Set | Power Behind The Pump

 Feature set provides complete control capability for all pumping applications

Breaker Recommendations

Fuse/B	reaker Recomn Single Phase		Fuse/Breaker Recommendations Three Phase		
Motor HP	Input Current	Fuse/Breaker	Motor HP	Input Current	Fuse/Breaker
115V			230V		
1/3	8 A	10 A	2	20 A	25 A
1/2	14 A	20 A	3	30 A	40 A
1	28 A	35 A	5	42 A	55 A
230V					
1/2	6 A	10 A			
3/4	9 A	15 A			
1	14 A	20 A			
1 1/2	18 A	25 A			
2	28 A	35 A			

Accommodated Wire Size

Connecting Load - Accommodated Wire Sizes			
Power Terminal	$14-6\ AWG$		
Minimum Torque	10.5 in-lb		



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.

SUBMITTAL DATA SHEET

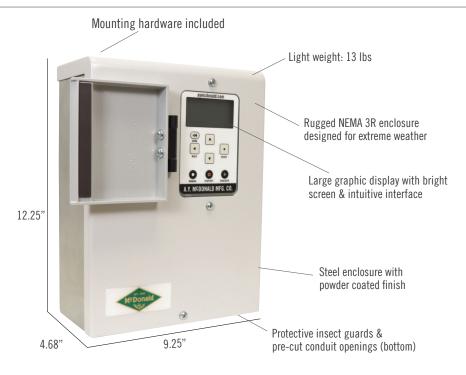
115V / 230V | Single Phase Output - 1/3 HP to 2 HP | 2 Wire & 3 Wire Motors Pressure Switch | Pressure Transducer





AutoDRIVE - Variable Frequency Drive

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 (<i>-22°F to 140°F</i>)		
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 Specification Specification Specification Specification Specificat			
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		
	Rated output current for 2 HP model based on typical full load current for submersible motors.		
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		