

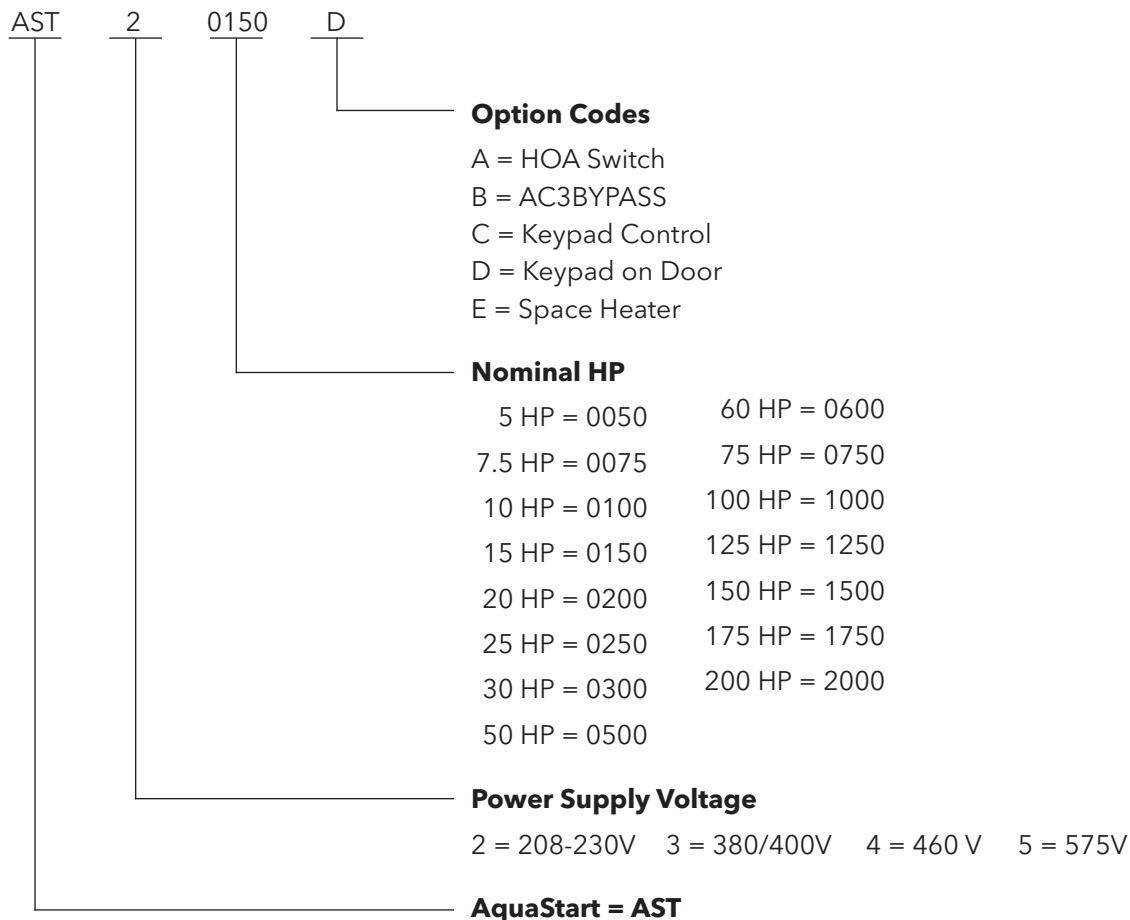


AquaStart™ Combination Soft Starters

FEATURES

- SSW-07 Combination Soft Starter
- Adjustable current, ramp time and voltage overloads
- Standard NEMA 4 outdoor rated enclosures
- cULus Certified, CE available as option.
- 5-175 HP at 230V, 10-200 HP at 460V, 15-200 HP at 575V
- Built-in fusible disconnect
- Optional keypad control available
- Standard, built-in AC1 Run Rated Bypass, between start and stop (automatically bypass SSW-07 between start and stop).
- AC3 Bypass Contactor and DOL selector switch as option (allows user to bypass SSW-07 for DOL start and stop).
- Wall-mounted enclosure - Frames A-D
- Floor mount kit for Frame Size E
- Temperatures to 55°C without current derate
- 3 programmable inputs (120V)
- 2 relay outputs with NO contacts
- 240V, 11A programmable output
- Protection from:
 - Excess starting time
 - Locked rotor
 - Current imbalance
 - Phase loss
 - Over / under current
 - Under voltage

NOMENCLATURE



COMBINATION SOFT STARTERS

CentriPro Order Number	Starter Amps*	Supply Voltage	Nominal HP*	Frame Size	Weight (lbs.)	
AST20050	17	208 - 230	5	A	140	
AST20075	24		7.5			
AST20100	30		10			
AST20150	45		15	B	150	
AST20250	61		20/25			
AST20300	85		30	C	280	
AST20500	130		40/50			
AST20600	171		60			
AST20750	200		75	D	415	
AST21000	255		100			
AST21250	312		125	E	610	
AST21500	365		150			
AST21750	412		175			
AST40100	17		460	10	A	140
AST40150	24			15		
AST40200	30	20				
AST40300	45	25/30		B	150	
AST40500	61	40/50				
AST40750	85	60/75		C	280	
AST41000	130	100				
AST41250	171	125				
AST41500	200	150		D	415	
AST42000	255	200				
AST50150	17	575		15	A	140
AST50250	24			20/25		
AST50300	30		30			
AST50500	45		40/50	B	150	
AST50750	61		60/75			
AST51000	85		100	C	280	
AST51250	130		125			
AST51500	171		150			
AST52000	200		200			

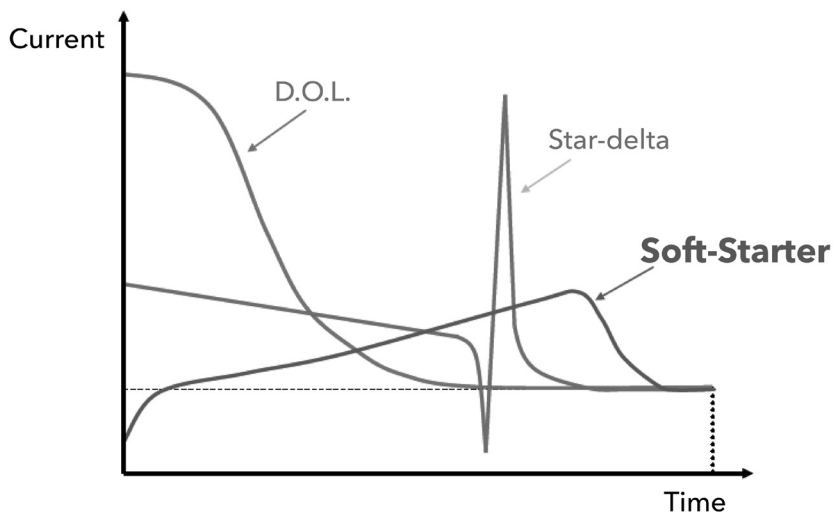
* Horsepower values are for reference purposes only. Size soft starter by maximum amperage draw.

** Power supply voltage acceptable range - (-15% to +10%)

The chart below shows the motor overload setting for standard models (Setting based upon Service Factor Amps).

Supply Voltage	Model Number	Rated Amps	MOTOR CURRENT SETTING					
			100%	90%	80%	70%	60%	50%
200V - 240V	AST20050	17	17	15.3	13.6	11.9	10.2	8.5
	AST20075	24	24	21.6	19.2	16.8	14.4	12.0
	AST20100	30	30	27.0	24.0	21.0	18.0	15.0
	AST20150	45	45	40.5	36.0	31.5	27.0	22.5
	AST20250	61	61	54.9	48.8	42.7	36.6	30.5
	AST20300	85	85	76.5	68.0	59.5	51.0	42.5
	AST20500	130	130	117.0	104.0	91.0	78.0	65.0
	AST20600	171	171	153.9	136.8	119.7	102.6	85.5
	AST20750	200	200	180.0	160.0	140.0	120.0	100.0
	AST21000	255	255	229.5	204.0	178.5	153.0	127.5
	AST21250	312	312	280.8	249.6	218.4	187.2	156.0
	AST21500	365	365	328.5	292.0	255.5	219.0	182.5
	AST21750	412	412	370.8	329.6	288.4	247.2	206.0
460V - 480V	AST40100	17	17	15.3	13.6	11.9	10.2	8.5
	AST40150	24	24	21.6	19.2	16.8	14.4	12.0
	AST40200	30	30	27.0	24.0	21.0	18.0	15.0
	AST40300	45	45	40.5	36.0	31.5	27.0	22.5
	AST40500	61	61	54.9	48.8	42.7	36.6	30.5
	AST40750	85	85	76.5	68.0	59.5	51.0	42.5
	AST41000	130	130	117.0	104.0	91.0	78.0	65.0
	AST41250	171	171	153.9	136.8	119.7	102.6	85.5
	AST41500	200	200	180.0	160.0	140.0	120.0	100.0
	AST42000	255	255	229.5	204.0	178.5	153.0	127.5

AMP DRAW COMPARISON



D.O.L.

- High starting current
- High mechanical stresses

STAR-DELTA

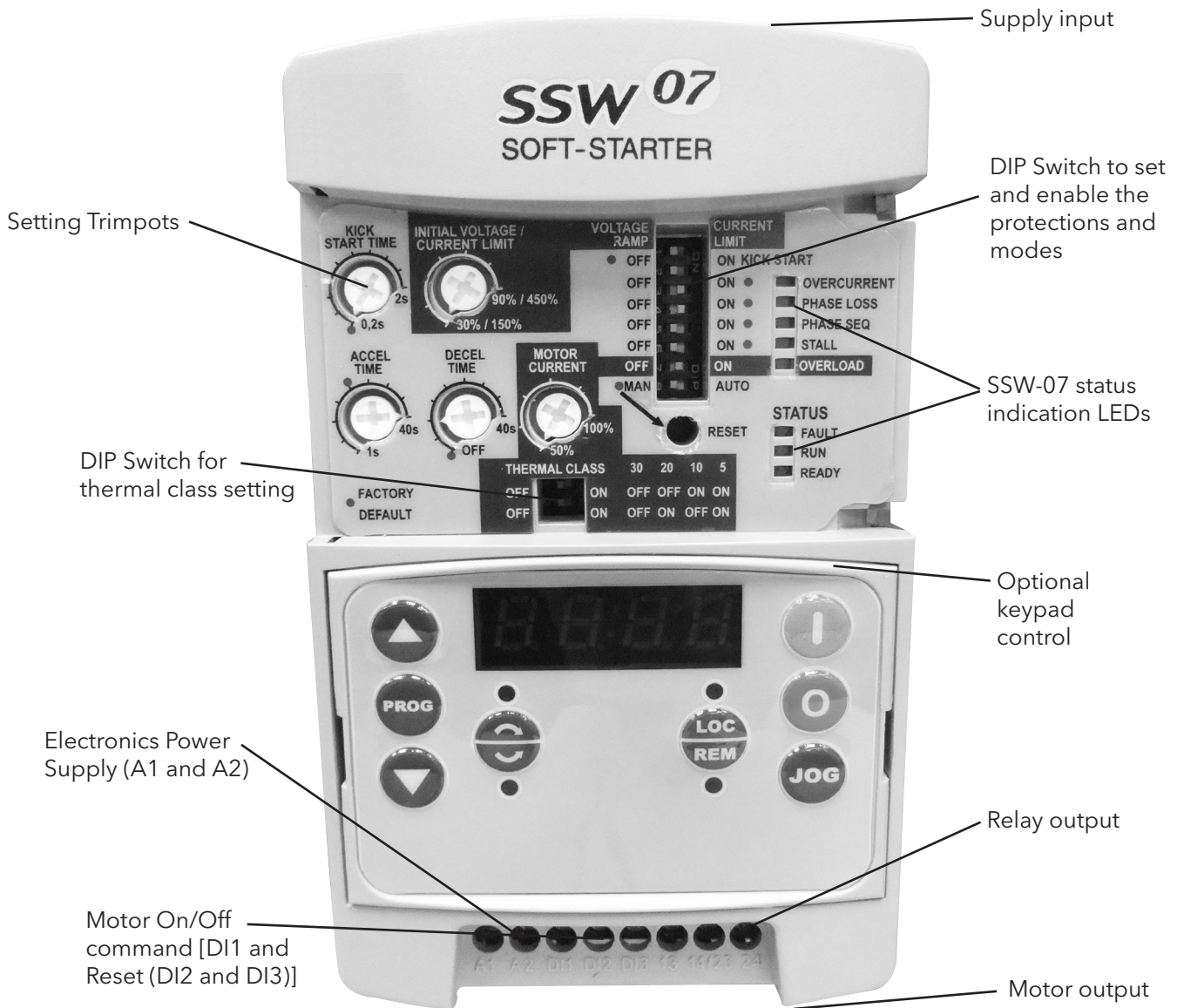
- 1/3 D.O.L. start current
- Current spikes at transition

AQUASTART™ SOFT STARTER

- Start and stop motor over time
- Prevents mechanical shocks on load
- Prevents current spikes in supply line

AQUASTART SOFT STARTER FEATURES

High performance Soft Starter that allows controlled starts of three phase, AC induction motors.

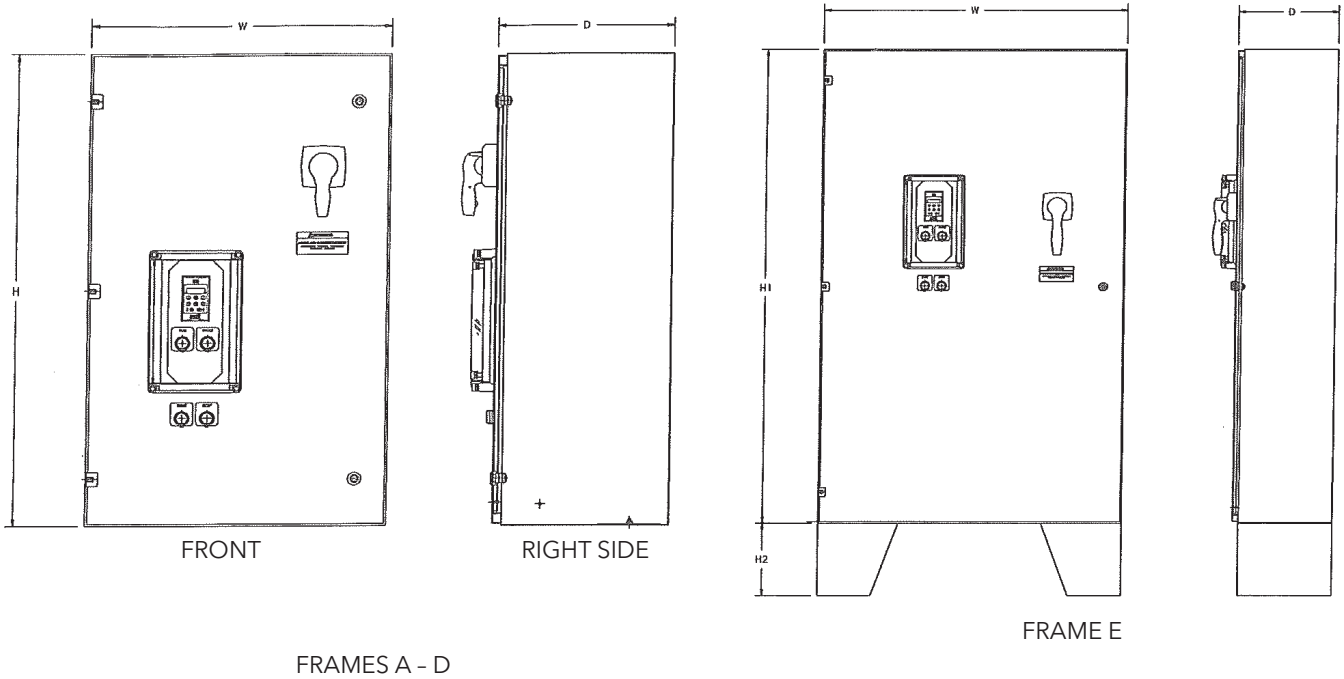


REPLACEMENT SOFT STARTER MODULES

XYLEM PART NUMBER	DESCRIPTION
SSW07XY0017T5SZ	17A Soft Start
SSW07XY0024T5SZ	24A Soft Start
SSW07XY0030T5SZ	30A Soft Start
SSW07XY0045T5SZ	45A Soft Start
SSW07XY0061T5SZ	61A Soft Start
SSW07XY0085T5SZ	85A Soft Start
SSW07XY0130T5SZ	130A Soft Start

XYLEM PART NUMBER	DESCRIPTION
SSW07XY0171T5SZ	171A Soft Start
SSW07XY0200T5SZ	200A Soft Start
SSW07XY0255T5SZ	255A Soft Start
SSW07XY0312T5SZ	312A Soft Start
SSW07XY0365T5SZ	365A Soft Start
SSW07XY0412T5SZ	412A Soft Start

AQUASTART DIMENSIONS



FRAME	MOUNT	W	D	H1	H2
A	Wall	16	8	24	N/A
B		24	12	32	N/A
C		24	14	40	N/A
D		32	12	48	N/A
E	Floor	36	12	60	12

NOTES

For all of your pump and control needs, contact your
Goulds Water Technology Pump Professional.



Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 12,700 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

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Let's Solve Water

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