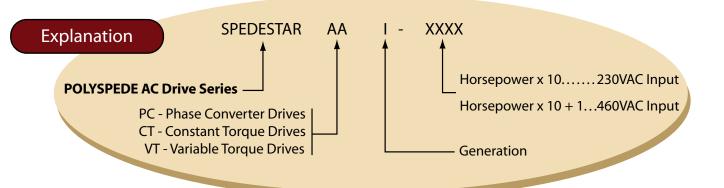
SPEUESTY A



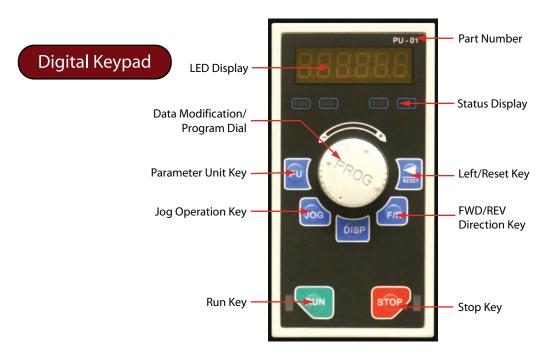


## Specifications

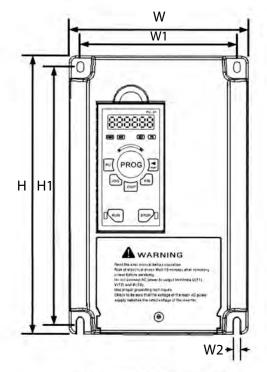
	SPEDE:	STAR Series		PC1				
	Max	230VAC 1-Phase		3.75 - 37.5kW (5 - 50HP)				
	plicable or Output	230VAC 3-Phase	N/A					
	Range	460VAC 3-Phase		N/A				
	Output Frequency		0.1 - 600Hz					
			150% of rated current for 1 minute/10 minutes					
Output	Overload Protection		Ta <=40, 200% of rated current for 2 seconds					
ō	Maximum Output Voltage		Proportional to Input Voltage, 3-Phase					
	Power Factor/Efficiency		Power factor no lower than 0.95. Efficiency no lower than 95% at full load					
	Control System		SPWM (Sinusoidal Pulse Width Modulation), V/F control and Sensorless Vector Control					
	Output Frequency		0.1 - 600Hz, Programable					
v	Output Frequency Resolution		0.01Hz					
istic	PWM Carrier Frequency		1kHz - 18kHz Adjustable (Some models are limited)					
ter	Torque Characteristics		Including the auto-torque, auto-slip compensation, starting torque can be 150% at 1.0Hz					
ara	Skip Frequency		Setting range 0.1-600Hz, Max. 3 points					
<u>5</u>	Accel/Decel Time		0.1-6000 seconds (2 Independent settings for Accel/Decel Time)					
Control Characteristics	Staff Prevention Level		10 to 250%, Setting of Rated Current. Setting range 0.1-600Hz while stop					
Ō	DC Braking		DC Braking Current Level: 0 to 125% of rated output current. DC Braking time: 0 to 60 seconds. Start-Point for DC Braking: 0.1-600Hz both when start up and stop.					
	Braking Torque		Approx. 20%. Dynamic Brake chopper built-in in Frame code: G1-A and G1-B. Others can be built-in as an option. All models can connect to external Dynamic Brake Unit (DBU)					
	V/F Pattern			Adjustable V/F curve using 4 independent points				
	Frequency Setting		Keypad	By a rotary encoder (setting resolution 0/01 Hz/step)				
tics			External Signal	$0\sim+10$ VDC((Input impedance 20kΩ), -10VDC((Input Impedance 10kΩ), 4 ~20mA dc ((Input impedance, Multi-Function Inputs 1~6 (15 Steps Jog, up/down), PLC run, RS-485 Interface MODBUS protocol				
teris	Operation Setting		Keypad	Set by RUN, STOP and JOG				
Operating Characteristics			External Signal	FWD, REV, MI1 to MI6 can be combined to offer various modes of operation, RS-485 serial interface MODUS protocol				
ing C	Multi-Function Input Signal (6 signals)		Multi-step selection 0 to 15, first to second Accel/Decel switches, Accel/Decel inhibit, EF Input, Emergency Stop, Auxiliary Motor Control is Invalid, ACI/AV/AUI Speed Command Selection, Reset, PLC Run, Jog, Up/Down command, Sink/Source Selection					
perat	Multi-Function Output Indications (5 Indications)		Drive Operating, Frequency Attained, Non-zero, Base Block, Fault Indication, Local/Remote indication, PLC Operation Indication, and Auxiliary Motor Output					
°	Analog Output Signal		Analog Signal Output. Proportional to Output Frequency, Output Current, Voltage, Frequency Command, Sink Source Selection					
	Fau	lt Indication	The output will be activated when faults occur (1 Relay contact point RA, RB, RC or 2 Open-collector of					
	Fault Indications Other Functions			PID feedback control, automatic voltage regulation, Momentary Power Loss restart, S-Curve, External Fault, Fault Reset, Auto Restart, Fault Records, Prevention, Frequency Limits, Fan & Pump control, Parameter Lock/Reset, Auto Tuning, Reverse inhibition, Over-Voltage/Over-Current Stall Prevention, automatic energy-saving, DC Braking, Speed Search during Start-up, PLC, MODBUS Communication				
	Prot	ection	Self-testing, AC source Over-Voltage, Over Voltage, Over Current, Under Voltage, Over Load, Overheating, External Fault, Electronic Thermal, Ground Fault, Stall Prevention, Output short circuit, IGBT					
				<b>Eight Function Keys:</b> Access Run, Stop, Reset/Digit Shift, Forward/Reverse Run, Display Mode, Keypad Enable, Programming data and Job operation.				
Digital Keypad			One 360 degree Rotary Encoder: Sets the parameter number and changes the numberical data					
			One 6 digits 7 segment display: Display the Setting Frequency/Actual Operation Frequency, Output Current/Volage, User Defined Unit					
			Six LED Display for status indication: Display the Drive Run/Stop Status, Forward/Reverse Run Status, Keypad Enable, and Frequency command source					
				Removable Keypad, Remote Control Distance Up To 150 Meters				
	ent	Temperature		Ambient: -10°C ~ +40°C (Non-Condensing and Not Frozen) Storage: 20°C ~ +60°C				
	muc _	Humidity		Below 90% RH (Non-Condensing)				
	Environment	Vibration		Below 20Hz: 1G, Above 20Hz: 0.6G				
	<u>ត</u> Ir	stallation Location		Altitude 1,000m or lower, keep away from corrosive gasses, liquid and dust				

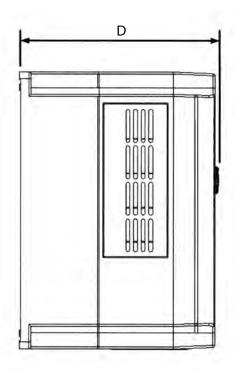


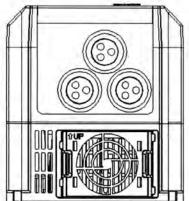
SPEDESTAR PC1 Series: 1-Phase, 200~240VAC (INPUT Range: 180-264VAC, 47~63Hz)										
Model		able Motor C 3-Phase)	Rated Output		230 VAC 1 - Phase					
SPEDESTAR PC1-xxxx	Power (kW)	Horsepower (HP)	Capacity (kVA)	Current (A)	Input Current(A)	Weight (lbs)	Frame Size			
PC1-050	3.75	5	6.1	17	36.3	10.4	В			
PC1-075	5.5	7.5	9.4	25	53.9	29.1	С			
PC1-100	7.5	10	12.4	33	71.5	29.3	С			
PC1-150	11	15	17.2	45	99	29.6	C			
PC1-200	15	20	22.9	60	132	48.6				
PC1-250	18.5	25	27.8	73	161	49	D			
PC1-300	22.5	30	34.5	91	200	49.6				
PC1-400	30	40	41.7	110	242	72.2	E			
PC1-500	37.5	50	57	150	330	72.3	Е			



## Dimensions







See Dimensions Below For Accurate Measurements

## Unit: mm(inch)

FRAME	w	W1	W2	н	H1	D
Α	160 (6.30)	140 (5.51)	6 (0.24)	250 (9.84)	230 (9.06)	186 (7.32)
В	200 (7.87)	180 (7.09)	6 (0.24)	275 (10.83)	255 (10.04)	206 (8.11)
С	260 (10.24)	236 (9.29)	6 (0.24)	458 (18.04)	410 (16.14)	242 (9.53)
D	410 (16.14)	369 (14.53)	6 (0.24)	470(18.50)	447 (17.58)	287 (11.30)
E	540 (21.26)	486 (19.13)	6 (0.24)	794 (31.26)	754 (29.70)	347 (13.66)