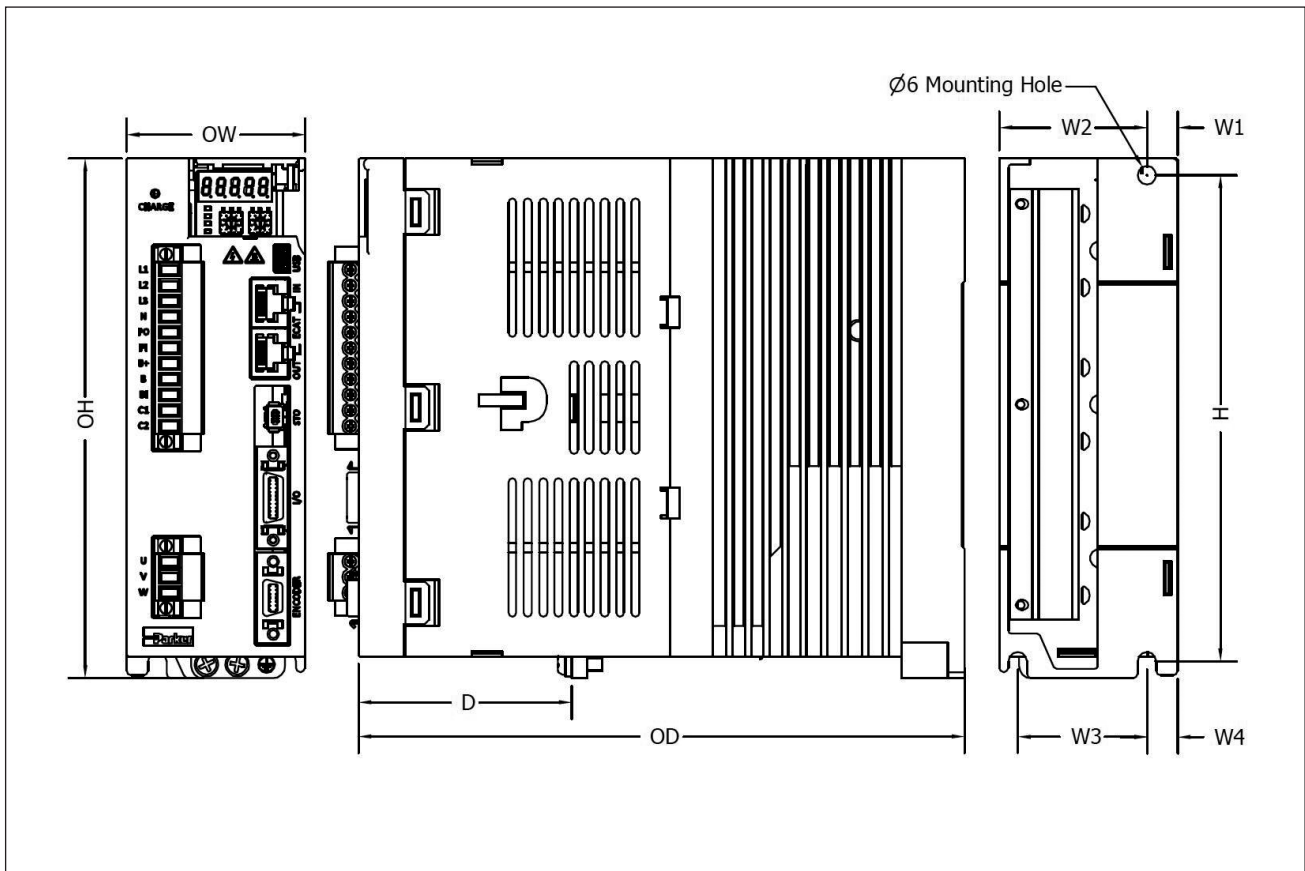


P Series Servo Drive

EtherCAT Drive Specifications

Motor Output Power		PD-04C	PD-10C	PD-35C
Shaft Power @ Continuous Current		400 Watts	1000 Watts	3500 Watts
Shaft Power @ Peak Current		1200 Watts	3000 Watts	10500 Watts
Drive Output Power				
Continuous Current (RMS)		3.0 Amps	6.75 Amps	16.7 Amps
Peak Current (RMS)		9.0 Amps	20.25 Amps	50.1 Amps
Bus Voltage		340VDC		
Drive Input Voltage		100-120VAC 50/60Hz 230 VAC, 1/3Ø, 50/60Hz	230 VAC, 1/3Ø, 50/60Hz	
Drive Control Voltage		100-120VAC 50/60Hz 230 VAC, 1Ø, 50/60Hz	230 VAC, 1Ø, 50/60Hz	230 VAC, 1Ø, 50/60Hz
Performance				
Servo update		62.5µs		
Accuracy		± 1 encoder count ; encoder dependent		
Commutation		Sinusoidal		
EtherCAT				
Supported Protocols		CoE, EoE, FoE		
Drive Modes		Position Profile, Profile Velocity, Profile Torque, Interpolated Position, Homing Cyclic Synchronous Position, Velocity and Torque		
Minimum Cycle Time		250µs		
Feedback				
Encoder Input		Quadrature Incremental encoder, BiSS-C (absolute) encoder, EnDAT 2.2		
I/O				
Digital input		8-channel, +24V common, user selectable functions		
Digital output		4-channel, Differential (Isolated), user selectable functions		
Safety		Safe Torque Off (STO) IEC61508-5-2 EN ISO13849, PL d, SIL2, Category3		
Communications				
USB		USB 2.0 for firmware upload and drive configuration		
Configuration Software		Drive Support Tool		
Standards		CE (EMC, LVD UL/cUL recognized	CE (EMC, LVD) UL/cUL listed	CE (EMC, LVD) UL/cUL listed
Built-in Functions				
Display		7 Segment LED, 5 digits for Status and Alarms		
Dynamic Braking		Built-in, user selectable reaction		
Internal Regeneration		100 ohm, 50W	40 ohm, 100W	12.6 ohm, 150W
External Regeneration		50 ohm, 140W	30 ohm, 300W	30 ohm, 600W
Environmental				
Temperature		0 - 50 °C (32 - 122 °F)		
Humidity		0 - 90% non-condensing		
Shock / Vibration		15g, 11msec half sign / 10-2,000Hz @ 2g		

EtherCAT Drive Dimensions



(Unit: mm)

		PD-04C	PD-10C	PD-35C
H	Height	158	158	158
OH	Overall Height	169	169	169
OW	Overall Width	38	58	88
W1	Width 1	6	10	44
W2	Width 2	26	48	44
W3	Width 3	32	42	78
W4	Width 4	6	6	5
D	Depth	107.7	127.7	112.5
OD	Overall Depth	173	197	198

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