

General Table

Feature	Units	Specification
PWM switching frequency	kHz	22 ± 5% default on the motor
Switching method		Advanced Unipolar PWM
Current loop bandwidth	kHz	< 2.5
Current loop sampling rate	kHz	Up to 16; default 11
Velocity loop bandwidth	Hz	< 350
Velocity loop sampling rate	kHz	Up to 8; default 5.5
Position loop bandwidth	Hz	< 80

Feature	Units	Specification
Position loop sampling rate	kHz	Up to 4; default 2.75
Maximum heat sink temperature	°C (°F)	85 °C - 88 °C (185 °F - 190 °F)
Ambient operating temperature	°C (°F)	0 °C - 40 °C (32 °F - 104 °F)
Storage temperature	°C (°F)	-20 °C - 85 °C (-4 °F - +185 °F)
Maximum humidity	%	90% non-condensing
Maximum operating altitude	m (ft)	Up to 10,000 (30,000)
Protection level		

Cornet Full Digital Servo Drive



Feature	Units	1/230	3/230	5/230	7/230	9/230	1/460	3/460	6/460	
Minimum supply voltage	VAC	60					140			
Nominal supply voltage	VAC	1 x 115, 1 x 230, 3 x 230					3 x 400, 3 x 460			
Maximum supply voltage	VAC	1 x 270 or 3 x 270					3 x 505			
Maximum continuous power output	W	420	1050	1500	2100	2700	800	2000	3400	
Efficiency at rated power (at nominal conditions)	%	> 93								
Auxiliary supply voltage	VDC	24 ± 15%								
Auxiliary power supply	VA	20								
Amplitude sinusoidal/DC continuous current	A	1.4	3.5	5	7	9	1.4	3.5	6	
Sinusoidal continuous RMS current limit (Ic)	A	1	2.5	3.5	5	6.4	1	2.5	4.3	
Peak current limit	A	2 x Ic								
Built-in shunt (peak power)	kW	2.4					1.1	3.4	3.4	
Weight	kg (lbs)	1.1 kg (2.4 lbs)								
Dimensions	mm (in)	180 x 123 x 75 (7.1" x 4.8" x 3")								
Digital in/Digital out/Analog in		10/6/2								
Mounting method		Wall mount ("Bookshelf") or DIN rail								

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