

Axis Module Power Specifications

The:	For the 1394x-AM03 is:	For the 1394x-AM04 is:	For the 1394x-AM07 is:	For the 1394x-AM50 and 1394C-AM50-IH is:	For the 1394x-AM75 and 1394C-AM75-IH is:
Speed Regulation ¹	0 to 0.05% of base speed with 100% torque disturbance	0 to 0.05% of base speed with 100% torque disturbance	0 to 0.05% of base speed with 100% torque disturbance	0 to 0.05% of base speed with 100% torque disturbance	0 to 0.05% of base speed with 100% torque disturbance
Static Gain (rms A/mV) ¹	1.28	2.6	4.9	22.8	22.8
Peak Current Limit Adjust	200%	200%	200%	143%	143%
Modulation Frequency	5 kHz ±10%	5 kHz ±10%	5 kHz ±10%	5 kHz ±10%	5 kHz ±10%
Drift	0.03 rpm/degree C	0.03 rpm/degree C	0.03 rpm/degree C	0.03 rpm/degree C	0.03 rpm/degree C
Nominal Input Voltage	530/680V dc	530/680V dc	530/680V dc	530/680V dc	530/680V dc
Continuous Current (rms)	3.0A	4.5A	7.5A	23.3A	35.0A
Peak Current (rms - 1 second)	6.0A	9.0A	15.0A	33.2A	50.0A
Continuous Power Out 360/460V nominal	1.6/2 kW	2.4/3 kW	4/5 kW	11.34/15.6 kW	17.8/23.8 kW
Efficiency	98%	98%	98%	98%	98%
Weight	5 kg (11.02 lb)	5 kg (11.02 lb)	5 kg (11.02 lb)	7 kg (15.44 lb) (-AM50) 6.73 kg (14.8 lb) (-AM50-IH)	7 kg (15.44 lb) (-AM75) 6.73 kg (14.8 lb) (-AM75-IH)
Capacitance	110 µF	110 µF	220 µF	465 µF	660 µF

¹ When used with the controller in the 1394x-SJTxx-x system module.

Axis Module Series Information

Axis Module Features	Feature Availability	
	Series C	Series A and B
Cable Clamp (strain relief, shield bond)	Yes	No
EMI filter ¹ (motor brake and thermal circuit)	Yes	No

¹ Voltage rating = 24V ac.

Note: Series A, B and C axis modules are physically interchangeable with each other.

Note: Series A axis modules (1394-AM03, -AM04, and -AM07) are not functionally compatible with the 1394C-SJTxx-D system module.