







# Panasonic

## Minas A Series Digital AC Servo Motors & Drivers

### Motor Selection Chart

Type	Series	30W	50W	100W	200W	300W	400W	500W	600W	750W	900W	1.0kW	1.2kW	1.5kW	2.0kW	2.5kW	3.0kW	3.5kW	4.0kW	4.5kW	5.0kW			
Low Inertia	 MSMA 3,000 rpm	Motor	Single Phase 100V	MSMA 3AZA1A	MSMA 5AZA1A	MSMA 011A1A	MSMA 021A1A		MSMA 041A1A															
			3 Phase 200V			MSMA 012A1A	MSMA 022A1A		MSMA 042A1A		MSMA 082A1C		MSMA 102A1C		MSMA 152A1C	MSMA 202A1C	MSMA 252A1C	MSMA 302A1C	MSMA 352A1C	MSMA 402A1C	MSMA 452A1C	MSMA 502A1C		
		Motor non-backlash type 3'	Single Phase 100V	MSMA 3AZA1_	MSMA 5AZA1_	MSMA 011A1_	MSMA 021A1_		MSMA 041A1_															
			3 Phase 200V			MSMA 012A1_	MSMA 022A1_		MSMA 042A1_		MSMA 082A1_													
		Motor standard backlash type 30'	Single Phase 100V	MSMA 3AZA3_	MSMA 5AZA3_	MSMA 011A3_	MSMA 021A3_		MSMA 041A3_															
			3 Phase 200V			MSMA 012A3_	MSMA 022A3_		MSMA 042A3_		MSMA 083A3_													
	MSDA	Driver	Single Phase 100V	MSDA 3A1A1A	MSDA 5A1A1A	MSDA 011A1A	MSDA 021A1A		MSDA 041A1A															
			3 Phase 200V	MSDA 3A3A1A	MSDA 5A3A1A	MSDA 013A1A	MSDA 023A1A		MSDA 043A1A		MSDA 083A1A		MSDA 103A1A		MSDA 153A1A	MSDA 203A1A	MSDA 253A1A	MSDA 303A1A	MSDA 353A1A	MSDA 403A1A	MSDA 453A1A	MSDA 503A1A		
	 MQMA (Flat Type) 3,000 rpm	Motor	Single Phase 100V			MQMA 011A1A	MQMA 021A1A		MQMA 041A1A															
			3 Phase 200V			MQMA 012A1A	MQMA 022A1A		MQMA 042A1A															
MQDA		Driver	Single Phase 100V			MQDA 011A1A	MQDA 021A1A		MQDA 041A1A															
			3 Phase 200V			MQDA 013A1A	MQDA 023A1A		MQDA 043A1A															
Middle Inertia	 MDMA 2,000 rpm	Motor	3 Phase 200V							MDMA 082A1C		MDMA 102A1C		MDMA 152A1C	MDMA 202A1C	MDMA 252A1C	MDMA 302A1C	MDMA 352A1C	MDMA 402A1C	MDMA 452A1C	MDMA 502A1C			
		MDDA	Driver	3 Phase 200V						MDDA 083A1A		MDDA 103A1A		MDDA 153A1A	MDDA 203A1A	MDDA 253A1A	MDDA 303A1A	MDDA 353A1A	MDDA 403A1A	MDDA 453A1A	MDDA 503A1A			
	 MGMA 1,000 rpm	Motor	3 Phase 200V				MGMA 032A1C		MGMA 062A1C		MGMA 092A1C		MGMA 122A1C		MGMA 202A1C		MGMA 302A1C				MGMA 452A1C			
		MGDA	Driver	3 Phase 200V			MGDA 033A1A		MGDA 063A1A		MGDA 093A1A		MGDA 123A1A		MGDA 203A1A		MGDA 303A1A					MGDA 453A1A		
	 MFMA (Flat Type) 2,000 rpm	Motor	3 Phase 200V					MFMA 042A1C			MFMA 082A1C				MFMA 152A1C		MFMA 252A1C				MFMA 352A1C		MFMA 452A1C	
		MFDA	Driver	3 Phase 200V				MFDA 043A1A			MFDA 083A1A				MFDA 153A1A		MFDA 253A1A					MFDA 353A1A		MFDA 453A1A
	High Inertia	 MHMA 2,000 rpm	Motor	3 Phase 200V					MHMA 052A1C				MHMA 102A1C		MHMA 152A1C	MHMA 202A1C		MHMA 302A1C		MHMA 402A1C		MHMA 502A1C		
			MHDA	Driver	3 Phase 200V					MHMA 053A1A				MHMA 103A1A		MHMA 153A1A	MHMA 203A1A		MHMA 303A1A		MHMA 403A1A		MHMA 503A1A	