

MD-6020

MD-6120

AC Servomotor



Specifications

Product code		MD-6020		MD-6120
Power supply		Single-phase 110 V, 50 / 60 Hz	Single-phase 220 V~240 V, 50 / 60 Hz	3-phase 220 V, 50 / 60 Hz
Motor	Model	M-60C		
	Type	Induction motor		
	Rated output	400 W		
	Rated speed	3,500 min ⁻¹		
	Insulation class	Type E		
Control box	Voltage	110 V	220 V~240 V	220V
	Speed control range (machine shaft)	Up to 5,000 rpm (Overlock: MAX 8,500rpm)		
	Solenoid resistance	5Ω or more		
	Allowable voltage fluctuation	±10%		
	Operating temperature	5°C - 35°C		
	Operating humidity	45%RH - 80%RH (no condensation)		
	Storage temperature / humidity	-20°C - 60°C 25%RH - 90%RH		
	Weight	12kg (Main unit)		
	Dimensions	343 (W) x 324 (H) x 195 (D) (Main unit)		

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Power supply	
6020	Single-phase
6120	Three-phase

Applicable machine heads					
Single-needle	Pulley	Twin-needle		Pulley	
1	737□	φ75	B	842□	φ77
2	201□	φ75	C	877□	φ77
3	722□	φ75	D	C51□	φ102
4	724□	φ75	E	P73□ P81□	φ80
5	748□	φ75	K	872□	φ77
6	791□	φ75	L	845□ 875□	φ77
7	798□ 728□	φ75	N	847□	φ77
8	852□ 853□ 854□	φ77	N	848□	φ77
9	883□	φ77	P	837□	φ77
A	Overlock	φ55	R	878□	φ77
F	774□	φ75			
G	772□	φ75			
H	778□	φ75			
Motor pulley: φ105			Motor pulley: φ90		

Treadle unit	
1	One forward step, one backward step
4	Two forward steps, two backward steps
7	One forward step, one backward step With standing pedal plug
A	Two forward step, two backward step With standing pedal plug

Maximum machine head speed	
	(850rpm)
1	1,000 rpm
2	2,000 rpm
3	2,200 rpm
4	2,400 rpm
5	2,500 rpm
6	2,600 rpm
7	3,000 rpm
8	3,500 rpm
9	4,000 rpm
A	4,500 rpm
B	5,000 rpm
C	5,500 rpm
D	6,000 rpm
E	6,500 rpm
F	7,000 rpm
G	7,500 rpm
H	8,000 rpm
J	8,500 rpm

*Each pulley size indicates the size measured from the outside of belt with the belt attached to the pulley.

*Contact Brother if using the motor with any machine heads not mentioned above.