

AC Servo Motor Drivers

MINAS LIQI



Easy

- Positioning instructions via pulse trains
- USB interface

Functional

- Real-time auto-tuning
- Damping filter

Effective

- High-speed position control

Automation from Panasonic:
It is easy and fast to set up a motion control project by combining a MINAS LIQI servo drive with an FP series PLC.

MINAS LIQI

AC Servo Motor Drivers

Easy – functional – effective

- Servo drive controllers and motors
- Rated power 50W to 1000W – 220VAC, single phase
- Positioning instructions via pulse trains
- Configure via USB using the software PANATERM®
- Damping filter, notch filter, and real-time auto-tuning function
- Easy yet multifunctional



Servo motor drives				
MINAS LIQI				
Power supply	220VAC Single phase	220VAC Single phase	220VAC Single phase	220VAC Single phase
Rated output	50W~200W	400W	750W	1000W
	MBDJT2207	MBDJT2210	MCDJT3220	MCDJT3230
	D: 55.5 x H: 150 x W: 150		D: 65.5 x H: 150 x W: 190	

MINAS LIQI SERVO MOTOR (MSMD***J1* - low inertia) 50W to 1000W - 220VAC, single phase													
Motor type	Part no.	MSMD5AZJ1□		MSMD012J1□		MSMD022J1□		MSMD042J1□		MSMD082J1□		MSMD102J1□	
Servo motor drive	MINAS LIQI	Part no.		MBDJT2207				MBDJT2210		MCDJT3220		MCDJT3230	
	Frame	Type		B				C					
Rated output	W	50		100		200		400		750		1000	
Nominal torque (max.)	N m	0.16 (0.48)		0.32 (0.95)		0.64 (1.91)		1.3 (3.8)		2.4 (7.1)		3.2 (9.5)	
Rated rotational speed (max.)	min ⁻¹	3,000 (5,000)				3,000 (4,500)		3,000 (4,000)					
Inertia (with brake)	x10 ⁻⁴ kg m ²	0.025 (0.027)		0.051 (0.054)		0.14 (0.16)		0.26 (0.28)		0.87 (0.97)		1.16 (1.26)	
Encoder	Pulses per revolution	p/r		2,500									
	Resolution	10,000											
Degree of protection		IP65 (excluding shaft feedthrough and connectors)											
Weight (with holding brake)	kg	0.32 (0.53)		0.47 (0.68)		0.82 (1.3)		1.2 (1.7)		2.3 (3.1)		2.8 (3.6)	
Motor with holding brake	with/ without	with- out	with	with- out	with	with- out	with	with- out	with	with- out	with	with- out	with
Overall length excluding shaft	mm	72	102	92	122	79.5	116	99	135.5	112.2	149.2	127.2	164.2
Shaft length	mm	25				30				35			
Shaft diameter	mm	8 h6				11 h6				14 h6			
Flange diameter	mm	38				60				80			