

# Panasonic

## 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	
	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					
	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 <sup>-1</sup>	3,000 (5,000)				3,000 (4,500)		3,000 (4,000)					
Inertia (with brake)		x10 <sup>-4</sup> kg m <sup>2</sup>	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			