Panasonic
ideas for life

Realtech
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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 750W – 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
Rated output	50W~200W	400W	750W
	MBDJT2207	MBDJT2210	MCDJT3220
	D: 55.5 x H: 150 x W: 150		D: 65.5 x H: 150 x W: 190

MINAS SERVO MOTOR LIQI (MSMD***J1* - low inertia) 50W to 750W - 220VAC, single phase											
Motor type		Part no.	MSMD5AZJ1☐		MSMD012J1☐		MSMD022J1☐		MSMD042J1☐		MSMD082J1☐
Servo motor drive	MINAS LIQI	Part no.	MBDJT2207						MBDJT2210		MCDJT3220
	Frame	Type	B								C
Rated output		W	50		100		200		400		750
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)
Rated rotational speed (max.)		min $^{-1}$	3,000 (5,000)								3,000 (4,500)
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)
Encoder	Pulses per revolution	p/r	2,500								
	Resolution	Pulses	10,000								
Degree of protection			IP65 (excluding rotor and connecting pins)								
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)
Motor with holding brake		with/without	without	with	without	with	without	with	without	with	without	with
Overall length excluding shaft		mm	72	102	92	122	79.5	116	99	135.5	112.2	149.2
Shaft length		mm	25				30				35	
Shaft diameter		mm	8 h6				11 h6		14 h6		19 h6	
Flange diameter		mm	38				60				80	

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