

: Future release planned

MELSERVO-J5 SERIES

MELSERVO-J5 servo products set the standard for servo performance in the world of factory automation. Cutting-edge technology, industry-leading performance, and advanced servo features allow users to unlock unused potential in their machines and factories.

Take advantage of Mitsubishi Electric's complete line of automation products including PLC, HMI, inverters, CNC, and robots to build a complete system that meets your exact needs.





HIGH PERFORMANCE SERVO MOTORS

The MELSERVO-J5 Series provides industry-leading performance and precision in a compact footprint to meet a wide range of application needs. Featuring an expanded capacity range, single cable connection, and a 26-bit batteryless encoder. Sizing and selection is made easy with our new Motorizer sizing software and our servo selection tool.

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Series	Inertia	Motor Type	Power Supply	Capacity
LUCICT		HK-KT_W	200 V AC	50 W to 2.0 kW
HK-KT	Low		400 V AC	50 W to 2.0 kW
	Inertia	HK-KT_4-W	200 V AC	200 W to 1.0 kW
HK-KT			400 V AC	400 W to 2.0 kW
LIK OT		LIK OT W	200 V AC	500 W to 3.5 kW Up to 11.0 kW
HK-ST	Medium	HK-ST_W	400 V AC	500 W to 11.0 kW
HK-ST	Inertia	HK-SET_4_W	200 V AC	300 W to 3.0 kW Up to 5.5 kW
ПК- 51			400 V AC	500 W to 11.0 kW
		•	•	0.1 kW 1 kW 10 kW



FLEXIBLE SERVO AMPLIFIERS

MELSERVO-J5 Series amplifiers allow for high-speed precise control of MELSERVO-J5 Series motors. Built-in servo functions automatically tune an axis, suppress vibrations, predict failures, and enable easy trouble shooting and maintenance. Choose single, dual, and three axis configurations. This reduces servo system footprint, decreases settling time, simplifies wiring, and reduces the total cost of ownership (TCO) for a Mitsubishi Electric servo system.

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Model	Power Supply	Command Interface		Сара	acity	
MR-J5-G-RJ	200 V AC			0.1 kW to 3.5 kW	Up to 22 kW	
	400 V AC		i	0.6 kW to	22 kW	i 1
MR-J5W2-G	200 V AC	CC-Link IE Field TSN		W to 1.0 kW	 	1
MR-J5W3-G	400 V AC		0.2 kW to	0.4 kW		
MR-J5-A	200 V AC	Pulse Train/	0.1	kW to 3.5 kW	Up to 22 kW	!
	400 V AC	Analog Voltage		0.6 kW to 22 k	W	
			0.1 kW	1 kW	10 kW	100 kW



LINEAR SERVO MOTORS

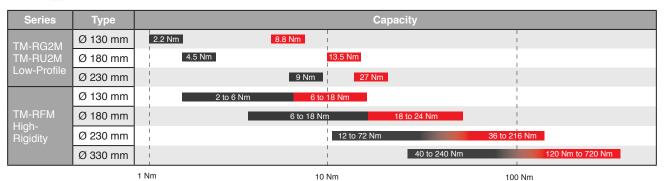
LM Series linear servo motors are available with three different core types and one core-less option for maximum flexibility.

Series	Туре	Max Speed			Capacity	
LM-U2	Coreless	2 m/s	50 to 8	800 N	150 to 3200	N
LIVI-UZ	Core	3 m/s	7	0 to 960 N	175 to 2400 N	
LM-H3	Core with Counter Force	2 m/s		7	120 to 2400 N	300 to 600 N
LM-K2	Core, Natural Cooling	2 m/s	Rated Torque		300 to 3000 N	180 to 180000 N
LM-F	Core, Liquid Cooling	2 m/s	Maximum Torque		600 to 6000 N	180 to 180000 N
			10 N	100 N	1,000 N	



DIRECT DRIVE MOTORS

The TM-RFM Series direct drive motor offering fits perfectly into applications requiring low speed and high torque.







MOTION CONTROL

Total system performance, not individual component specifications, leads to maximum performance. Based on this view, the iQ-R Series of motion controllers offers you an ideal solution to maximize your system productivity and meet your performance requirements.

	MELSEC iQ-R Series			
	RD78GH	RD78G		
Maximum Number of Control Axes	RD78GHV: 128 axes RD78GHW: 256 axes	RD78G4: 4 axes RD78G8: 8 axes RD78G16: 16 axes RD78G32: 32 axes RD78G64: 64 axes		
Minimum Operation Cycle	31.25 μs	62.5 μs		
Communication Speed	1 Gbps			
Command Interface	CC-Línk IE TSN			
Control Mode	Positioning Control Torque Control Cam Co	Speed Control Synchronous Control		
Positioning Control	Linear Interpolation	Circular Interpolation		
Acceleration/ Deceleration Process	Trapezoidal acceleration/ deceleration Acceleration/dece fixed met			

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