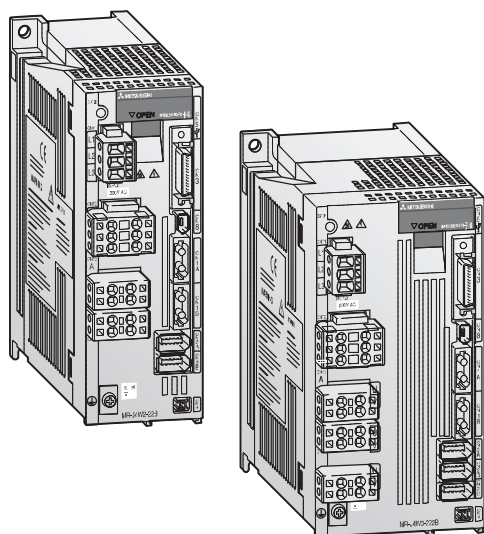


MR-J4W2-B/MR-J4W3-B servo amplifier specifications



Additional to the standard version of the MR-J4 amplifiers (SSCNETIII/H Motion Network) for one servo motor Mitsubishi Electric now offers also servo amplifiers for two or three servo motors. The amplifiers for two (MR-J4W2-B) and three axes (MR-J4W3-B) are space and wiring saving and more efficient than two or three single amplifiers. Therefore the engineer saves not only space inside the cabinet and costs due to less wires, but also valuable energy what reduces the pollution of CO₂ at the same time. The range of output power

for the amplifier for two axes is from 0.2 to 1 kW, for three axes from 0.2 to 0.4 kW per axis. All other specification items are identical with the standard version of the MR-J4-B for one axis.

Common specifications MR-J4W-B		W2-22B	W2-44B	W2-77B	W2-1010B	W3-222B	W3-444B	
Power supply	voltage /frequency ^①	1-phase or 3-phase 200–240 V AC, 50/60 Hz			3-phase 200–240 V AC, 50/60 Hz	1-phase or 3-phase 200–240 V AC, 50/60 Hz		
	permissible voltage fluctuation	1-phase or 3-phase 170–264 V AC			3-phase 170–264 V AC	1-phase or 3-phase 170–264 V AC		
	permissible frequency fluctuation	±5 % max.						
Control system		Sinusoidal PWM control/current control system						
Dynamic brake		Built-in						
Speed frequency response		2500 Hz						
Protective functions		Overcurrent shutdown, regeneration overvoltage shutdown, overload shutdown (electronic thermal), servomotor overheat protection, encoder fault protection, regeneration fault protection, undervoltage/sudden power outage protection, overspeed protection, excess error protection.						
Safety function		STO (IEC/EN 61800-5-2); (SS1 function is available by using the safety option card MR-J3-D05)						
Structure		Self-cooling, open (IP20) Fan cooling, open (IP20)						
Environment	ambient temperature	Operation: 0–55 °C (no freezing), storage: -20–65 °C (no freezing)						
	atmosphere	Inside control panel; no corrosive gas, no flammable gas, no oil mist, no dust						
	elevation	1000 m or less above sea level						
	oscillation	5.9 m/s ² (0.6 G) max.						
Weight	kg	1.5	1.5	2.0	2.0	1.9	1.9	
Dimensions (WxHxD)	mm	60x168x195	60x168x195	85x168x195	85x168x195	85x168x195	85x168x195	
Order information		Art. no.	248645	248646	248647	248648	248649	248650

① Rated output capacity and rated rotation speed of the servo motor used in combination with the servo amplifier are as indicated when using the power voltage and frequency listed. Output and speed cannot be guaranteed when the power supply voltage is less than specified.