Okuma — MIV Servo Drives

MIV03-1-P



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The **MIV03-1-P** servo inverter is produced by Okuma within the MIV Servo Drives series. As an inverter unit, it converts DC-bus energy into the variable-frequency output required by compatible AC servo modules and carries encoder data across shared signal links. Encoder feedback allows the controller to compare actual motor movement with commanded velocity and position values. The inverter then regulates power to the connected motor so the machine axis can follow programmed motion accurately during industrial automation and machining processes.

The module manages **1 axis** through synchronized servo, encoder, and converter links that carry command and feedback signals among the CNC, motor, and internal converter section. Its continuous output is **3.0 kW**, providing adequate electrical capacity for medium-frame feed drives without thermal derating. Internal logic and interface circuits operate from a **24 VDC** control supply, while the power stage receives energy from a shared **300 VDC** bus connected to companion inverters. A **five-bit ID switch** provides address selection for the module, allowing the control system to distinguish it from other drives connected through the same communication architecture.

The aluminum chassis measures **60 mm** in width and **380 mm** in height, allowing the module to fit beside larger spindle drives without obstructing the intended cabinet airflow. Its narrow profile conserves horizontal mounting space while providing sufficient vertical surface area for the internal power electronics and heat sink assembly. The installation depth is **325 mm**, allowing the heat sink to clear standard rail positions while leaving room for acceptable cable bend radii within the enclosure. The module has a mass of **5.7 kg**, which limits the static load placed on cabinet rails and mounting supports.

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Specifications

Axis Count:	1	**Communication Links:**	Servo/Encoder/Converter	**Continuous Capacity:**	3.0 kW
Control Supply:	24 VDC	**Dc Bus Supply:**	300 VDC	**Depth:**	325 mm
Height:	380 mm	**Id Switch Bits:**	5-Bit	**L side Capacity (hp):**	4 hp
L side Capacity (kW):	3.0 kW	**Product Type:**	Okuma Inverter Unit	**Weight:**	5.7 kg
Width:	60 mm	**Last Verified:**	11/16/2026 11:00 AM		

Contact Us

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Shipping Options

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