

## A06B-6250-H045

Industrial automation components

<b>Manufacturer</b>	Fanuc
<b>Catalog number</b>	a06b-6250-h045
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	4.29 kgs
<b>Product Type</b>	Converter
<b>Signal Level</b>	400 V
<b>Input Voltage</b>	380–480 VAC
<b>Output Voltage</b>	537–679 VDC
<b>Continuous Drive Power</b>	54 kW
<b>Communication Protocol</b>	FSSB
<b>Controller Compatibility</b>	FANUC 30i, 31i, 0i-F
<b>Regenerative Braking</b>	Yes
<b>Thermal Overload Protection</b>	Yes
<b>Real-Time LED Diagnostics</b>	Yes

### Description

The Fanuc A06B-6250-H045 is a high-capacity servo amplifier module designed for controlling large FANUC  $\alpha$ 5 series servo motors in complex, high-inertia CNC systems. Operating within a 3-phase electrical system, it accepts an input voltage of 380–480 VAC and provides a stable output voltage range of 537–679 VDC, delivering up to 54 kW of continuous drive power. This module is engineered for maximum precision and responsiveness, making it suitable for applications in aerospace, mold making, automotive part machining, and large-scale metal fabrication. Key features include support for FSSB high-speed communication with CNC systems, built-in regenerative braking, thermal overload protection, and real-time LED diagnostics based on FANUC drive alarm lists. The A06B-6250-H045 is compatible with FANUC 30i, 31i, and 0i-F controllers, ensuring seamless integration and robust fault diagnostics. Its durable design and advanced features make it a reliable choice for demanding industrial environments.