

VFD-FSA-12-480-3CB

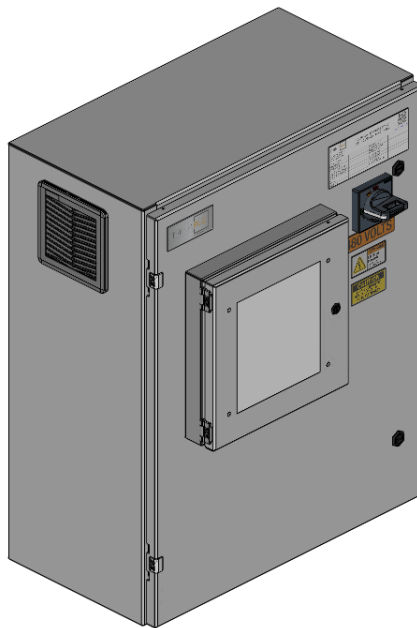
Product Data Sheet

Enclosed VFD – Siemens G120, Frame Size A

Model Number: VFD-FSA-12-480-3CB

Drawing Number: D10072

Manufacturer: Think-PLC, LLC | www.think-plc.com | (888) 407-5448



General Specifications

- **Enclosure Type:** UL Type 12 (indoor)
Optional rain hoods available for UL Type 3R outdoor use
 - **Rated Voltage:** 480 VAC, 3-Phase, 60 Hz
 - **Full Load Current (FLC):** 6.26 A
 - **Largest Motor Load:** 5.9 A (4 HP motor, 480V, 3 Φ)
 - **Main Supply Breaker:** 10 A MCCB
 - **Short-Circuit Current Rating (SCCR):** 5 kA
 - **Line Side Field Connections:** 1 wire per phase, 45–70 lb-in torque, 14 AWG – 3/0 AWG (Cu, 75°C)
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Drive Details

- **Drive Type:** Siemens SINAMICS G120 PM240-2
 - **VFD Frame Size:** FSA
 - **Rated Motor Power:** 4 HP
Optional derating: 0.5, 0.75, 1, 1.5, 2, 3 HP
 - **Control Interface:** Dual-channel Profinet
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Operator Controls

- **Main Disconnect Switch:** Lockable
 - **Selector Switch:** VFD / OFF / BYPASS (*inside keypad cover*)
 - **IOP-2 VFD direct interface** (*inside keypad cover*)
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Cooling

- **Cooling:** 24VDC Fan Assembly, 28 CFM
 - **Thermostat:** Adjustable 32–140°F, closes on rise
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Overall Dimensions

- **Height:** 30 1/4 in (768 mm)
 - **Width:** 24 3/4 in (628 mm)
 - **Depth:** 15 13/16 in (401 mm)
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Certifications & Compliance

- UL 508A Listed Industrial Control Panel
 - NFPA 70 (NEC) and NFPA 79 compliant
 - SCCR 5kA per UL test requirements
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Options

- FSA: 0.5, 0.75, 1, 1.5, 2, 3, 4 HP

- Rain hoods for outdoor use (UL Type 3R) application
- RJ45 bulkhead connectors

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