

KEB — F0 Combivert Control Cabinets

09.F0.R01-1228 **In-Stock, Ships Today**

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The **09.F0.R01-1228** is a cabinet-mounted AC drive module produced by KEB and supplied within the F0 Combivert Control Cabinets series. It regulates the speed and torque of small induction or permanent-magnet motors in factory automation. This control allows a PLC or process controller to match mechanical output to real-time load demands without additional mechanical throttling, which is useful in applications with changing operating conditions.

This model delivers a rated output of **2.8 kVA**, giving the drive sufficient apparent power for general-purpose motion tasks on light conveyors, pumps, or positioning axes. Connected motors can deliver up to **1.5 kW** of mechanical power at the shaft. The inverter can produce output frequencies as high as **408 Hz**, allowing high-pole or high-speed machines to remain under closed-loop control throughout the upper operating range. Transient load spikes are handled by a **200 % overload for 30 s**, which allows the application to accelerate or counter sudden inertia changes without nuisance trips. All components are housed in an enclosure rated to **IP20**, which prevents direct finger contact with live parts and is suitable for installation inside a finished control panel.

The unit is suitable for installations up to **3000 m** above sea level, where reduced air density can affect cooling performance. Reliable operation is maintained in air containing up to **95 % RH** noncondensing moisture, supporting use in humid production areas. After power is removed, the DC-link capacitors require a **5-minute discharge period** before service access is permitted. Thermal rise is managed by maintaining a vertical airflow path with 50 mm of clearance on each side of the unit. At least **100 mm of clearance** must also be maintained above and below the unit so convection can carry heat away from the heat sink and switching components.

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Specifications

Altitude Limit:	3000 m	Capacitor Wait Time:	5 min	Humidity Limit:	95 %RH
Max Motor Power:	1.5 kW	Max Output Frequency:	408 Hz	Peak Overload:	200 % (30 s)
Protection Class:	IP20	Rated Output Power:	2.8 kVA	Side Clearance:	50 mm
Top/bottom Clearance:	100 mm	Last Verified:	10/21/2026 3:42 PM		

Contact Us

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Shipping Options



Payment Methods



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