KEB — F4 Combivert Frequency Inverters

09.F4.T60-1009



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The **09.F4.T60-1009** is a frequency inverter from KEB that belongs to the F4 Combivert Frequency Inverters series. Within an automated line, the unit converts fixed-frequency single-phase mains power into a variable three-phase output, allowing induction motors to run at commanded speeds and torques. By regulating motor frequency, it supports conveyor systems, pumps, and small processing machines that need adaptable motion profiles.

This inverter is designed for motors with outputs up to **1.5 kW**, and it can deliver an apparent output power of **2.8 kVA** at that load. The power section is rated for a continuous line current of **8 A** and produces a three-phase output rated up to **3 × 500 V**. A built-in **HF filter** keeps conducted emissions low, while its filter class is suitable for 460 V installations. The input accepts a single-phase mains connection, while the inverter supplies three balanced output phases for standard motors. The thermal design supports ambient temperatures from -10 °C to 45 °C without derating. Phase-to-phase switching is suitable for a 460 V insulation system.

Compliance with **EN 55011/B** minimizes radio-frequency interference affecting nearby instrumentation. The housing has an **IP20** protection rating, so it is intended for installation inside a closed electrical enclosure where basic protection against finger contact is sufficient. A shielded motor cable measuring up to **30 m** may be used, accommodating the wiring distances found within typical machine layouts. Relative humidity may reach **95%** without condensation, allowing operation in humid production areas. The D-size submount housing supports straightforward panel installation without requiring a separate mounting frame. An internal controller sequences the three output phases to provide smooth motor acceleration and controlled speed changes.

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Specifications

Bearings:	None	**Emc Limit:**	EN 55011/B	**Filter Class:**	460 V Class
Filter Type:	HF Filter	**Mains Connection:**	1-phase	**Max. rated motor power:**	1.5 kW
Operating temperature:	-10 to 45°C	**Output nominal power:**	2.8 kVA	**Phase Count:**	3
Product Type:	COMBIVERT F4	**Protection Rating:**	IP20	**Rated Current:**	8 A
Rated Voltage:	3 x 500 V	**Relative humidity (without condensation):**	95%	**Shielded Motor Cable:**	30 m
Submount Housing:	D	**Last Verified:**	11/05/2026 5:54 PM		

Contact Us

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Shipping Options

Payment Methods

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