KELD | DRIVES — KMD SERIES

KMD2-1000GAG / KMD2-1001GAG

Mounted Wall Drive

for EC Motors



Three Phase
IM, PM, BLDC, SynRM

>95% efficiency
at 400V / 3.5 kW

3.5 kW	IP66	190–480 Vac
4.5 HP	Aluminum enclosure	Three Phase
POWER OUTPUT	PROTECTION	VOLTAGE RANGE

CORE FEATURES

- Vectorial FOC Algorithm · Sensorless control
- Sinusoidal output · Natural cooling
- Designed for very hard environments
- Replaceable surge protection module

External Alarm multi-color LED
Customizable logo and housing
KMD APP available on the App Store (iOS) and Google Play (Android)

INPUTS & OUTPUTS

- Alarm Relay + Configurable Aux. Relay
- Start / Stop Input + Configurable Aux. input
- 0–10 V / 10–0 V Speed Regulation
- Motor Temp. Sensor (Pt100 / PTC / Clixon)

PROTECTIONS

Supply/Input

- Under/Overvoltage Protection
- Inrush-Current Protection

Motor/Output

- Short-Circuit Protection
- Overload Protection
- Locked-Rotor Protection
- Phase-Loss Protection

Internal

- Overtemperature Protection

TECHNICAL SPECIFICATIONS

Output Voltage

KMD2-1000GAG	KMD2-1001GAG
0–430 Vac, 3-phase (Electrolytic capacitor)	0–370 Vac, 3-phase (MKP capacitor)

Dimensions	210 x 288 x 161 mm
Mounting	Wall Mount
IP Protection	IP66
Power Supply	3 Phase 190–480 Vac 50/60 Hz
Power Factor	No active PFC
Power Output	3.5 kW / 4.5 HP
Output Frequency	0–400 Hz
Output Current	10 Arms
Safety / EMC	EN 61800-5-1 · EN 61800-3
Approvals	CE · UL · RoHS
Humidity	10–90% (non-condensing)
Operating Temp.	-20°C to 40°C (derating >40°C)
Storage Temp.	-40°C to 60°C
Altitude	2000 m max. (derate >1000m: 1%/100m)

COMMUNICATIONS

Modbus RS-485	USB	Bluetooth	Optional BACnet
RTU protocol	Firmware Upgrade		

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