EM30 FREQUENCY INVERTER
0.4 kW - 7.5 kW
EM30 0.4 kW - 7.5 kW
FREQUENCY INVERTER

HIGHLIGHTS
High-end motor control concept based on advanced DSP technology, V/Hz SENSORLESS VECTOR with SPEED/TORQUE control, sensorless PMM synchronous motor control.
Intelligent AUTOTUNING functions for easy setup.
Rugged construction, all metal enclosure, thermally decoupled from motor, IP37/NEEMA 4 shock proofed - for motor and wall mounting.
Flexible configurable 4 line character LCD display.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor power (KW)</th>
<th>Frame-size</th>
<th>Dimensions (WxHxD-mm)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>EM30-0004 S2</td>
<td>0.4 kW - 2.5 A</td>
<td>J1 186x266x180</td>
<td>1-phase 220V</td>
<td></td>
</tr>
<tr>
<td>EM30-0007 S2</td>
<td>0.75 kW - 4.5 A</td>
<td>J2 215x325x190</td>
<td>1-phase 220V</td>
<td></td>
</tr>
<tr>
<td>EM30-0150 T3</td>
<td>1.5 kW - 7 A</td>
<td>J3 280x380x220</td>
<td>3-phase 380V</td>
<td></td>
</tr>
</tbody>
</table>

Optional Wall Mounting Kit

EMC Filter
- Integrated C3 filter (industrial area)
- Integrated C1 class filter optional

Frequency Inverter
- Approved for worldwide standards by independent bodies
- Smart PC-tools, for inverter control, parametrization and troubleshooting
- Parameter-Copy-Stick

C3 class EMC filter build in, optional kit for internal C1 class filter available

Flexible configurable 4 line character LCD display

Rugged construction, all metal enclosure, thermally decoupled from motor, IP67/NEMA 4 shock proofed.

Options
- Display: 4 Line LCD Character Programmable to display parameters and parameter values, inverter status and operating parameters
- Brake chopper: Chopper transistor integrated

Input/output
- 2 analogue inputs: 12 BIT: 0…10V, 0…5V, 0…4(20) mA
- Chopper frequency: 0.8…16 kHz (fixed / random pattern)
- Motor control algorithm: V/Hz Space Vector, SLV/Sensorless Vector with torque/speed control mode, CLV closed loop vector

Special functions
- 20V / 30V auxiliary power supply on terminals, 10V potentiometer power supply
- 10V / 100mA power supply on modbus connector
- PTC / KLIXON motor protection

Environmental and operating conditions
- Protection class: IP66 / NEMA4 - motor- / wall mounting
- Operating temperature: -15…+60 °C, 40°C with automatic and thermostatic control function
- Humidity: 0 to 95%, non-corrosive
- Altitude: 1000 m, above 1% derating / 100m

Standards
- Safety: EN60204-1

Motor Mounting Adapter for all Kind of Motors Available

Technically Decoupled: Original design, full heat generating power components located in the easy removable cover

6 line LCD character KEYPAD to rotate in 90° steps

Accessories
- IP66 ACCESSORIES
- OPTIONAL WALL MOUNT KIT
- IP66 LCD REMOTE KEYPAD
- PARAMETER COPY STICK
- OPTIONAL BUILD - IN C1 CLASS EMC FILTER