**TECHNICAL SPECIFICATIONS**

**DRIVE MODEL**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>MKD 300</th>
<th>MKD 600</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2/4</td>
<td>4/8</td>
</tr>
<tr>
<td>Rated Current (Arms)</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Peak Current x 5&quot; (Arms)</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>Case</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Control Brake Supply</td>
<td>24 Vdc (+5%) - 1 Amax (from insulating transformer)</td>
<td></td>
</tr>
<tr>
<td>Backup Logic Supply</td>
<td>24 Vdc (+10%) - 0.25 Amax (from specific MACK POWER Supply)</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>310 ± 385 Vdc</td>
<td>530 ± 650 Vdc</td>
</tr>
</tbody>
</table>

**POWER MODEL**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>MKP 300 M</th>
<th>MKP 300 T</th>
<th>MKP 600 T</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.5 (2500w)</td>
<td>4.5 (4500w)</td>
<td>4.5 (4500w)</td>
</tr>
<tr>
<td>Power In (Vrms) (50/60 Hz - grounded system only)</td>
<td>1 x 230V (±10%)</td>
<td>3 x 230V (±10%)</td>
<td>3 x 400V (±10%)</td>
</tr>
<tr>
<td>Power Out (Vrms) (at full-load)</td>
<td>6.5 A</td>
<td>12 A</td>
<td>7 A</td>
</tr>
<tr>
<td>Backup In (from insulating transformer)</td>
<td>24 Vdc (±10%) - 2.5 Amax</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F1: Power In Line Fuses (T-type=Time-lag)</td>
<td>8 A / 16 A PK x 5&quot;</td>
<td>15 A / 30 A PK x 5&quot;</td>
<td>8.5 A / 17 A PK x 5&quot;</td>
</tr>
<tr>
<td>Case</td>
<td>8 A / 250 V</td>
<td>16 A / 250 V</td>
<td>8 A / 500 V</td>
</tr>
</tbody>
</table>

**Standard Features**

- Several drives powered by a single supply unit
- EMC line filter, in-rush and regen circuits on board
- USB single access for setting and monitoring all drives
- Single hybrid cable for motors connection
- Speeder-One® software interface
- Optical isolation between power stage and signals
- Operating frequency 8 KHz
- Current / velocity loop bandwidth 2 KHz / 200 Hz
- RD0 Diff. analog reference (std)
- SE Serial Encoder feedback (std)

**Options**

- CD0 Clock and Direction control mode
- CB0 CAN Bus control mode
- ETC EtherCAT control mode
- AE Absolute Multiturn Encoder feedback
- EC Commutation Encoder feedback
- HBD Motor holding brake drive circuit
- STO Safe Torque Off safety function
- M5 I/O Additional function connector
- M4 Emulated Encoder connector
- R02 / R05 / R10 increased dumping to 160W / 500W / 1000W

**Application**

- Printing Machines
- Textile Machines
- Coding Machines
- Jewellery Machines
- Conveyors
- Machine Tools
- Wood Working Machines
- Battery operated Equipment
- CNC controlled axis

**Options**

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**NOTE:** 1. Free from condensation. 2. After one year off storage duration the electrolytic capacitors must be re-formed. Contact AXOR's for details.