Always install fuse and/or thermal breaker between motor and power supply to protect actuator, wiring and other items.

TOLLO LINEAR AB
Box 9053, SE-291 09 Kristianstad, Sweden
Tel. +46 (0)44-246700  Fax. +46 (0)44-244085

© 2003 DWO10431gb-0300
Printed on recycled paper

Installation manual for MovoAct

Technical data

<table>
<thead>
<tr>
<th></th>
<th>DMD</th>
<th>DMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor</td>
<td>DC-motor with auto reset thermal switch</td>
<td>AC-motor with auto reset thermal switch</td>
</tr>
<tr>
<td>Supply voltage</td>
<td>12, 24 or 36 Vdc ± 15 %</td>
<td>1 × 115 VAC (102 – 130 V) 60 Hz</td>
</tr>
<tr>
<td>Capacitor</td>
<td>–</td>
<td>115 VAC = 10 µF (p/no. D900-446-002)</td>
</tr>
<tr>
<td>Max. current</td>
<td>See label on MovoAct</td>
<td>See label on MovoAct</td>
</tr>
<tr>
<td>Max. dynamic load</td>
<td>See label on MovoAct</td>
<td>See label on MovoAct</td>
</tr>
<tr>
<td>Duty cycle</td>
<td>25 % @ full load 25°C</td>
<td>25 % @ full load 25°C</td>
</tr>
<tr>
<td>Max. on time</td>
<td>One full cycle at full load</td>
<td>45 s</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>– 25 – + 65°C</td>
<td>– 25 – + 65°C</td>
</tr>
<tr>
<td>Lubrication</td>
<td>for life</td>
<td>for life</td>
</tr>
<tr>
<td>Slip clutch</td>
<td>yes (set to 1.2 – 1.5 × max. dyn. load)</td>
<td>yes (set to 1.2 – 1.5 × max. dyn. load)</td>
</tr>
<tr>
<td>Anti backdriving mechanism</td>
<td>yes</td>
<td>yes or electromagnetically released brake</td>
</tr>
</tbody>
</table>

Motor DC-motor with auto reset thermal switch
AC-motor with auto reset thermal switch

Supply voltage
(For exact voltage, see label on MovoAct)

Capacitor –

Max. current See label on MovoAct
Max. dynamic load See label on MovoAct
Duty cycle 25 % @ full load 25°C
Max. on time One full cycle at full load 45 s
Ambient temperature – 25 – + 65°C
Lubrication for life
Slip clutch yes (set to 1.2 – 1.5 × max. dyn. load)
Anti backdriving mechanism yes

Voltage:
- 120 VAC ± 15 % 115 V AC (102 – 130 V) 60 Hz
- 230 VAC ± 15 % 230 VAC (212 – 240 V) 50/60 Hz
- 380 VAC ± 15 % 380 V (360 – 420 V) 50/60 Hz
- 400 VAC ± 15 % 400 VAC (360 – 420 V) 50/60 Hz

Note: For exact voltage, see label on MovoAct.

www.thomsonlinear.com
Main dimensions

Mounting instructions

Only mount the unit in these points!

OK

Electrical connections

Connection of potentiometer (option)

Wire cross section

CAUTION!
Always turn the power off before working on the actuator or the wiring.