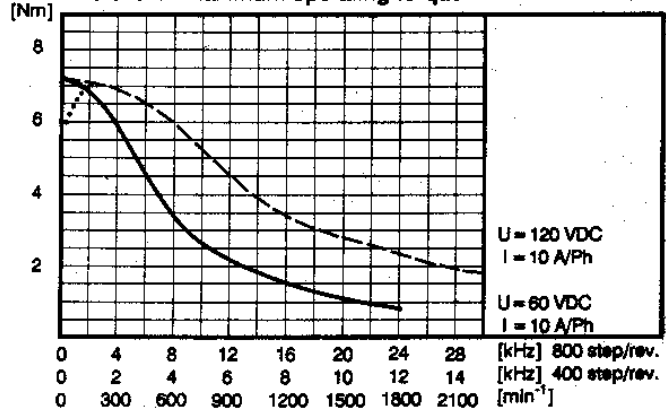


| SM 108.2.18 M 10 | | |
|------------------|-------------------------------|---------------------|
| Electrical Data | Phase resistance | 0,25 Ohm |
| | Phase inductance | 1,6 mH |
| | Phase current A unipolar | 7,1 A |
| | Phase current A bipolar | 10 A |
| | Isolation class | F |
| Mechanical Data | Step angle | 1,8° ±3 % |
| | Holding torque | 8,4 Nm |
| | Detend torque | 0,21 Nm |
| | Max. 1,8° Start frequency | 750 Hz |
| | Max. 1,8° Operating frequency | 7,5 kHz |
| | Rotor inertia | 8 kgcm ² |
| | Bearing thrust load | 400 N |
| | Bearing overhang load | 650 N |
| | Weight | 6,5 kg |
| | Max. operating temperature | 110° C |

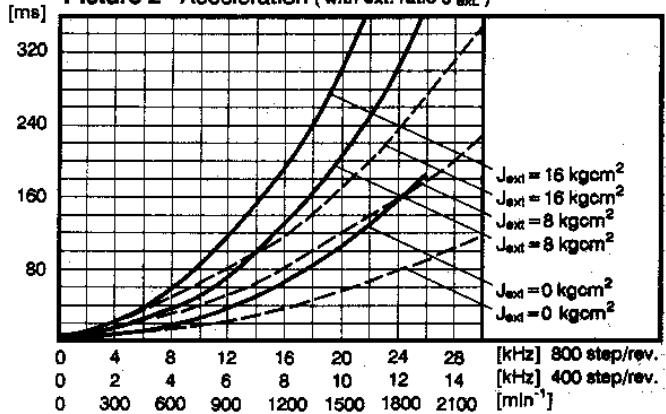
measured with:
typical values

— SE 800.12.60
- - - SE 800.12.120
..... without boost

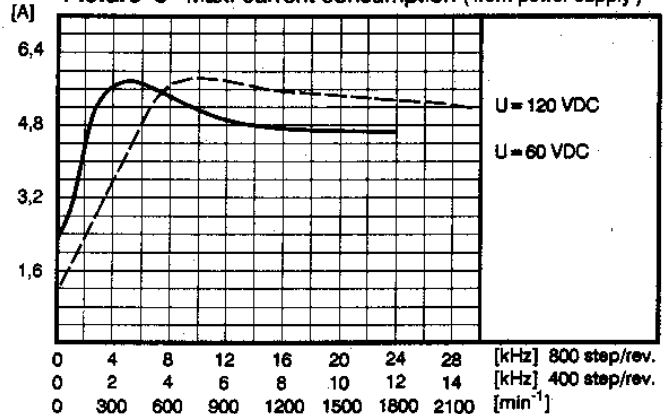
Picture 1 Maximum operating torque



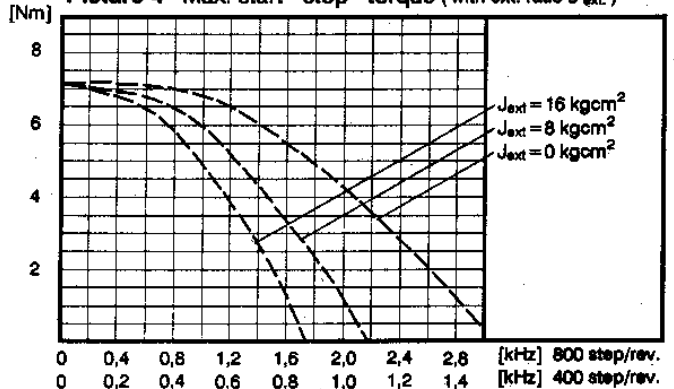
Picture 2 Acceleration (with ext. ratio J_{ext.})



Picture 3 Max. current consumption (from power-supply)



Picture 4 Max. start - stop - torque (with ext. ratio J_{ext.})



STÖGRA ANTRIEBSTECHNIK GMBH

Machtlfinger Strasse 24
D-81379 München

Tel.: +49-89-15904000
Fax.: +49-89-15904009

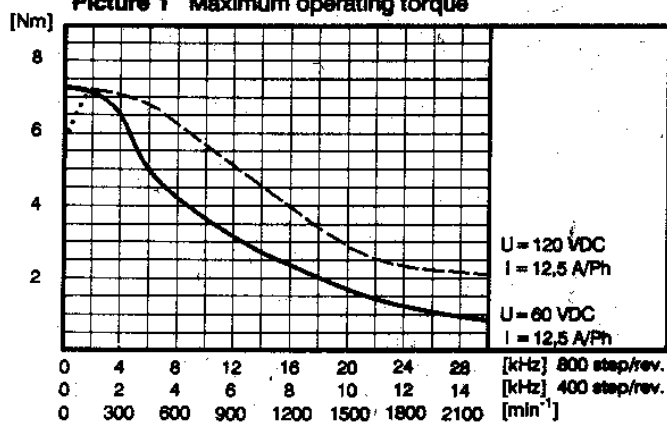
E-Mail: info@stoegra.de
Internet: www.stoegra.de

| SM 108.2.18 M 12 | | |
|------------------|-------------------------------|---------------------|
| Electrical Data | Phase resistance | 0,175 Ohm |
| | Phase inductance | 1,15 mH |
| | Phase current A unipolar | 8,8 A |
| | Phase current A bipolar | 12,5 A |
| | Isolation class | F |
| Mechanical Data | Step angle | 1,8° ±3 % |
| | Holding torque | 8,4 Nm |
| | Detend torque | 0,21 Nm |
| | Max. 1,8° Start frequency | 750 Hz |
| | Max. 1,8° Operating frequency | 7,5 kHz |
| | Rotor inertia | 8 kgcm ² |
| | Bearing thrust load | 400 N |
| | Bearing overhang load | 650 N |
| | Weight | 6,5 kg |
| | Max. operating temperature | 110° C |

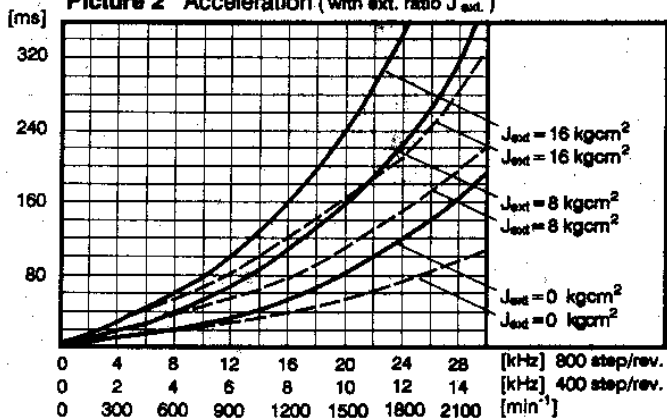
measured with:
typical values

— SE 800.12.60
- - - SE 800.12.120
..... without boost

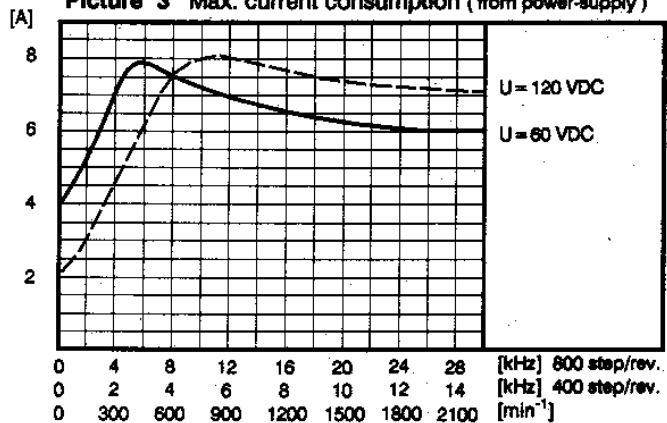
Picture 1 Maximum operating torque



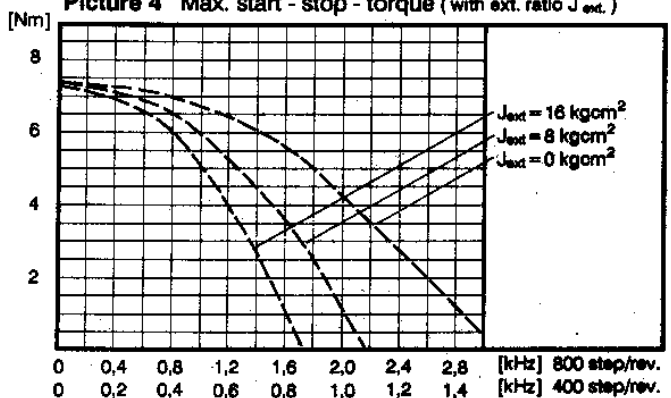
Picture 2 Acceleration (with ext. ratio J_{ext.})



Picture 3 Max. current consumption (from power-supply)



Picture 4 Max. start - stop - torque (with ext. ratio J_{ext.})



| SM 108.2.18 M 8 | | |
|----------------------------|-------------------------------|---------------------|
| Electrical Data | Phase resistance | 0,38 Ohm |
| | Phase inductance | 2,4 mH |
| | Phase current A unipolar | 5,7 A |
| | Phase current A bipolar | 8 A |
| | Isolation class | F |
| Mechanical Data | Step angle | 1,8° ± 3 % |
| | Holding torque | 8,4 Nm |
| | Detend torque | 0,21 Nm |
| | Max. 1,8° Start frequency | 750 Hz |
| | Max. 1,8° Operating frequency | 7,5 kHz |
| | Rotor inertia | 8 kgcm ² |
| | Bearing thrust load | 400 N |
| | Bearing overhang load | 650 N |
| | Weight | 6,5 kg |
| Max. operating temperature | 110° C | |

measured with:
typical values

— SE 800.08.60
- - - SE 800.08.120
..... without boost

