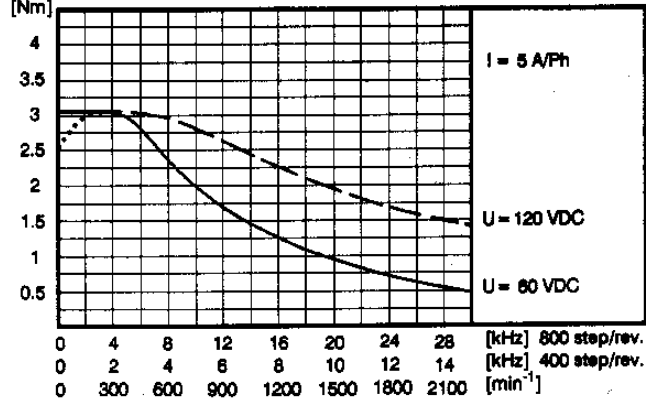


SM 87.2.18 M 3.5		
Electrical Data	Phase resistance	0.74 Ohm
	Phase inductance	3 mH
	Phase current unipolar	3.5 A
	Phase current bipolar	5 A
	Isolation class	F
Mechanical Data	Step angle	1.8° ± 3 %
	Holding torque	3.6 Nm
	Detend torque	0.05 Nm
	Rotor inertia	1.3 kgcm <sup>2</sup>
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	2.65 kg
Operating temperature	max. 110 °C	

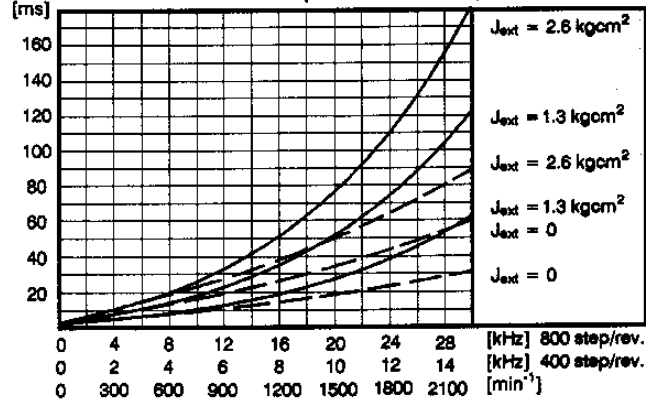
measured with

- SE 800.06.60
- - - - - SE 800.06.120
- ..... without boost

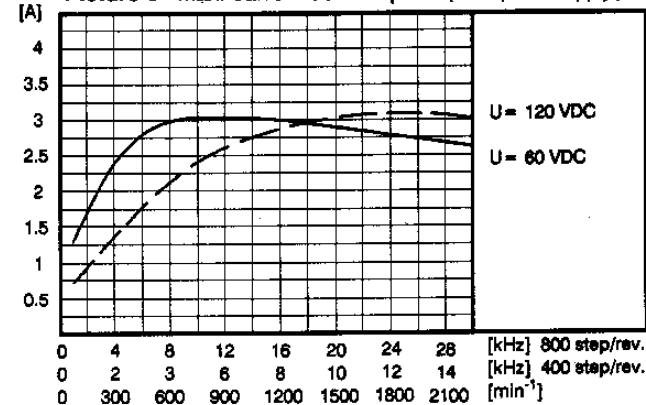
Picture 1 Maximum operating torque



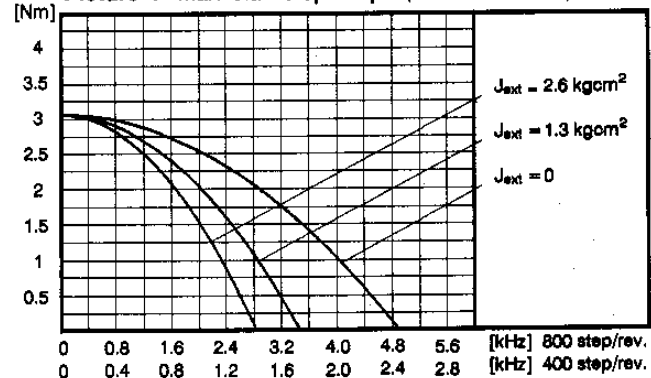
Picture 2 Acceleration (with ext. ratio J<sub>ext.</sub>)



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



Picture 4 Max. start-stop-torque (with ext. ratio J<sub>ext.</sub>)



STÖGRA ANTRIEBSTECHNIK GMBH

Machtlfinger Strasse 24  
D-81379 München

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

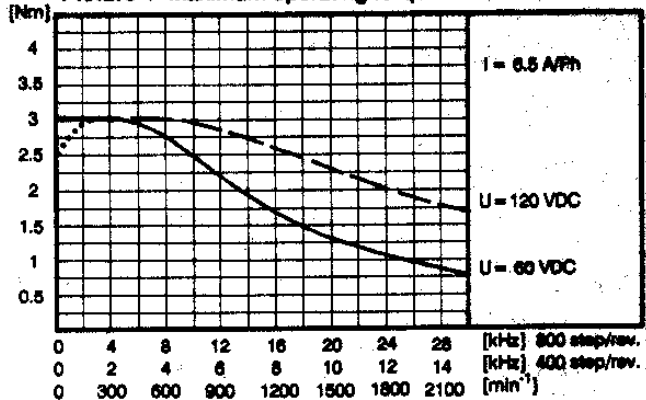
E-Mail: [info@stoegra.de](mailto:info@stoegra.de)  
Internet: [www.stoegra.de](http://www.stoegra.de)

<b>SM 87.2.18 M 4.6</b>		
Electrical Data	Phase resistance	0.48 Ohm
	Phase inductance	1.5 mH
	Phase current unipolar	4.6 A
	Phase current bipolar	6.5 A
	Isolation class	F
Mechanical Data	Step angle	1.8° ± 3 %
	Holding torque	3.6 Nm
	Detand torque	0.05 Nm
	Rotor inertia	1.3 kgcm <sup>2</sup>
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	2.65 kg
	Operating temperature	max. 110 °C

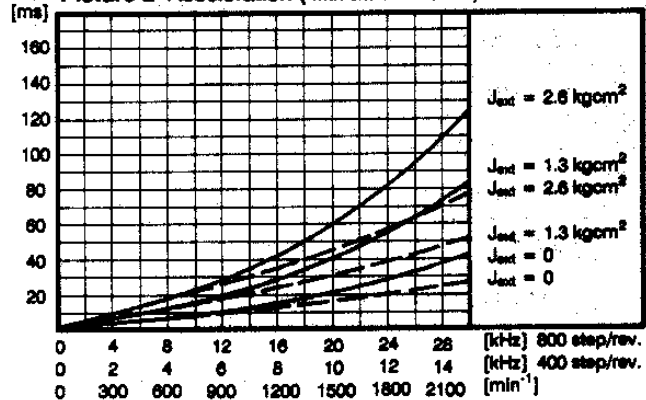
measured with

— SE 800.06.60  
 - - - SE 800.06.120  
 ····· without boost

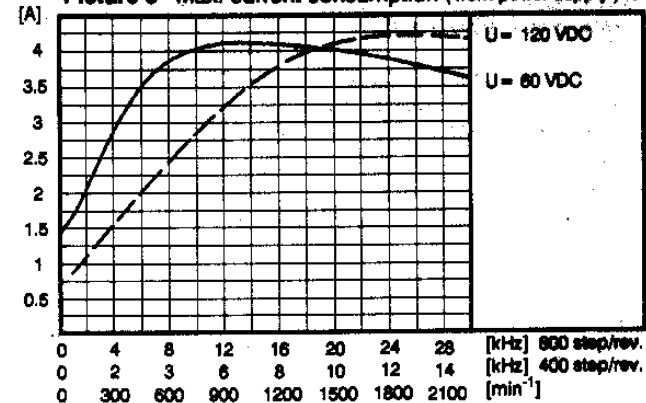
Picture 1 Maximum operating torque



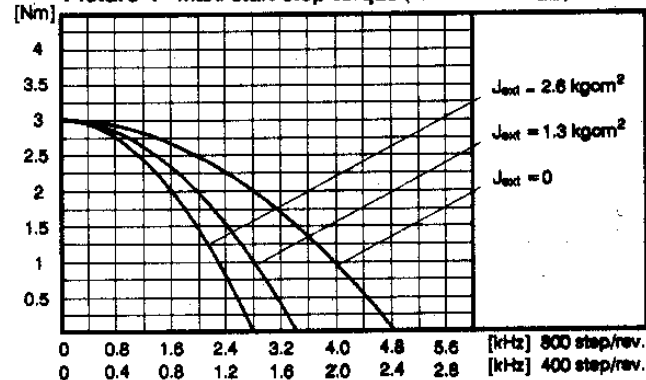
Picture 2 Acceleration (with ext. ratio J<sub>ext.</sub>)



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



Picture 4 Max. start-stop-torque (with ext. ratio J<sub>ext.</sub>)

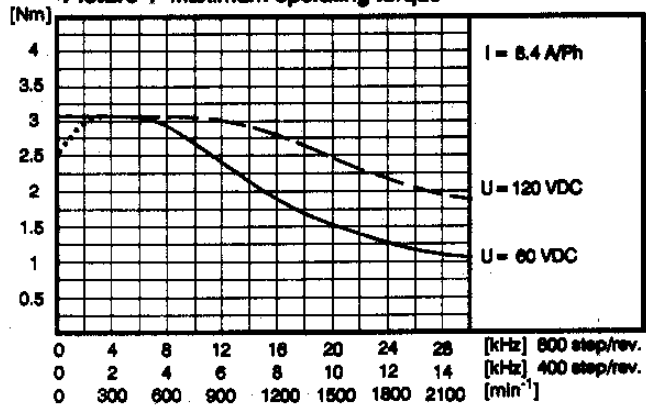


SM 87.2.18 M 6		
Electrical Data	Phase resistance	0.38 Ohm
	Phase inductance	1 mH
	Phase current unipolar	6 A
	Phase current bipolar	8.4 A
	Isolation class	F
Mechanical Data	Step angle	1.8° ± 3 %
	Holding torque	3.6 Nm
	Detend torque	0.05 Nm
	Rotor inertia	1.3 kgcm <sup>2</sup>
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	2.65 kg
Operating temperature	max. 110 °C	

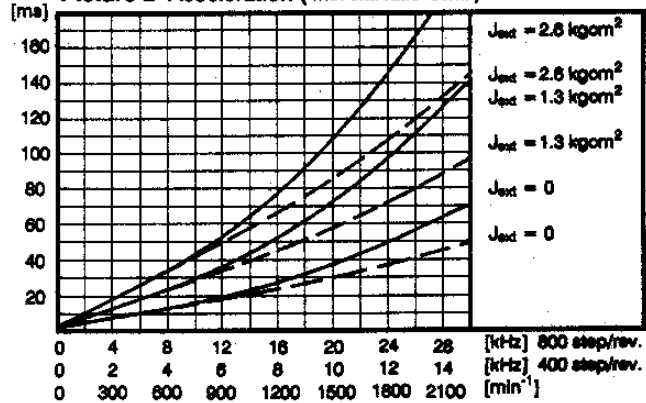
measured with

— SE 800.08.60  
 - - - SE 800.08.120  
 ····· without boost

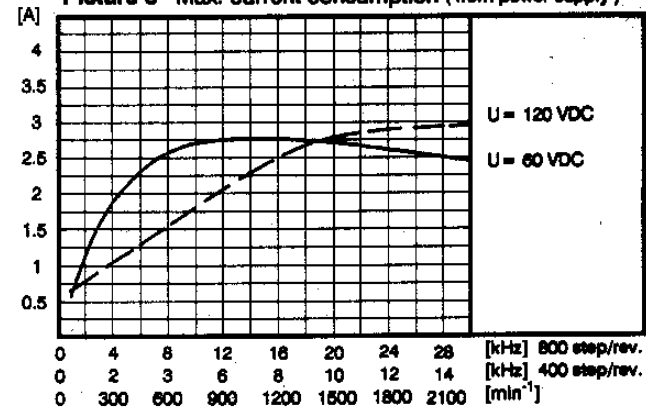
Picture 1 Maximum operating torque



Picture 2 Acceleration (with ext. ratio J<sub>ext.</sub>)



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



Picture 4 Max. start-stop-torque (with ext. ratio J<sub>ext.</sub>)

