

SM 86.2.18 M 3,5		
Electrical Data	Phase resistance	0,74 Ohm
	Phase inductance	3 mH
	Phase current A unipolar	3,5 A
	Phase current A bipolar	5 A
	Isolation class F	F
Mechanical Data	Step angle	1,8° ±3 %
	Holding torque	3 Nm
	Detend torque	0,05 Nm
	Max. 1,8° Start frequency	1 kHz
	Max. 1,8° Operating frequency	10 kHz
	Rotor inertia	1,3 kgcm <sup>2</sup>
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	2,85 kg
	Max. operating temperature	110° C

measured with:  
typical values

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

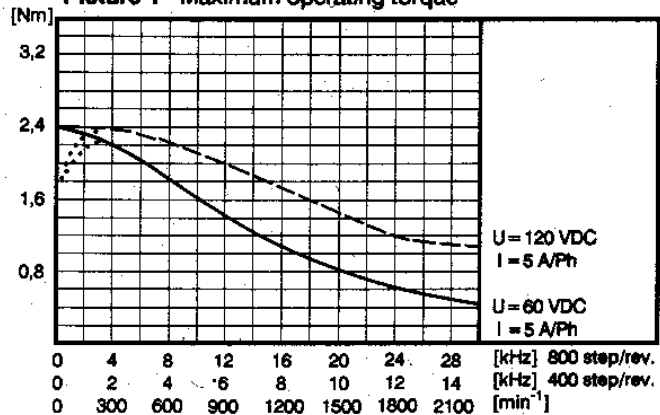
### STÖGRA ANTRIEBSTECHNIK GMBH

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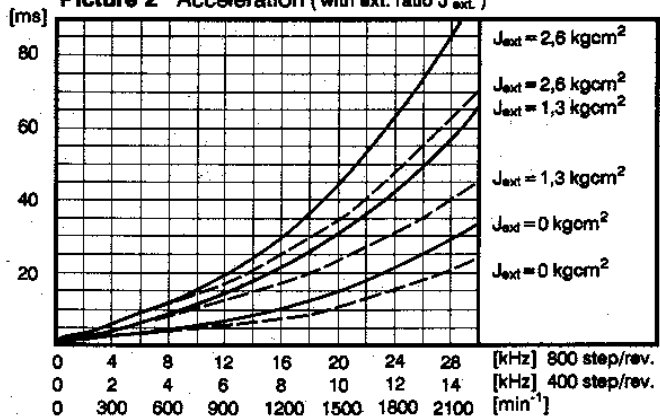
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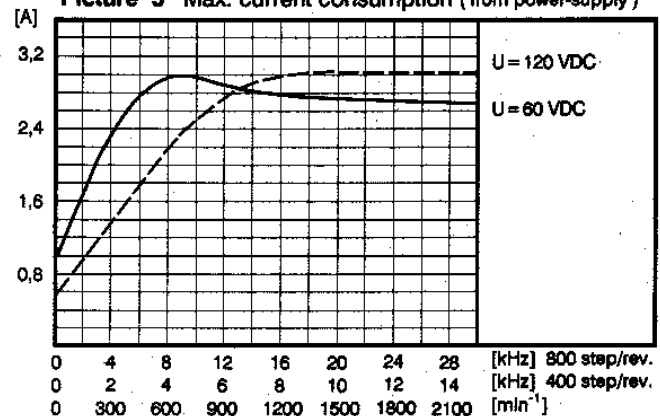
Picture 1 Maximum operating torque



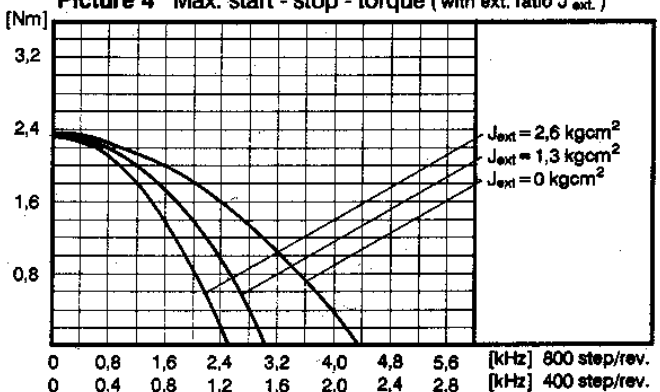
Picture 2 Acceleration (with ext. ratio J<sub>ext.</sub>)



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



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

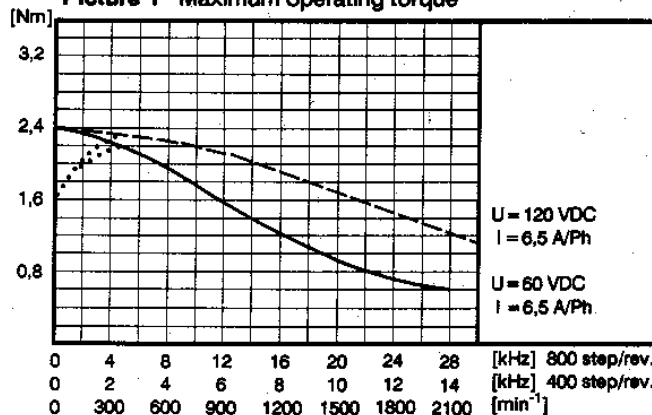


SM 86.2.18 M 4,6		
Electrical Data	Phase resistance	0,48 Ohm
	Phase inductance	1,5 mH
	Phase current A unipolar	4,6 A
	Phase current A bipolar	6,5 A
	Isolation class F	F
Mechanical Data	Step angle	1,8° ±3%
	Holding torque	3 Nm
	Detend torque	0,05 Nm
	Max. 1,8° Start frequency	1 kHz
	Max. 1,8° Operating frequency	12 kHz
	Rotor inertia	1,3 kgcm <sup>2</sup>
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	2,85 kg
	Max. operating temperature	110° C

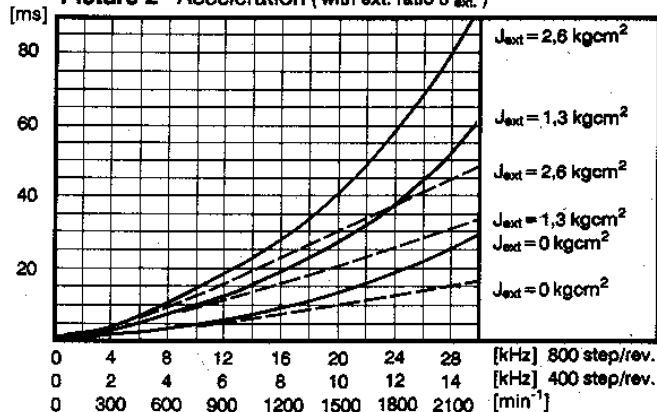
measured with:  
typical values

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

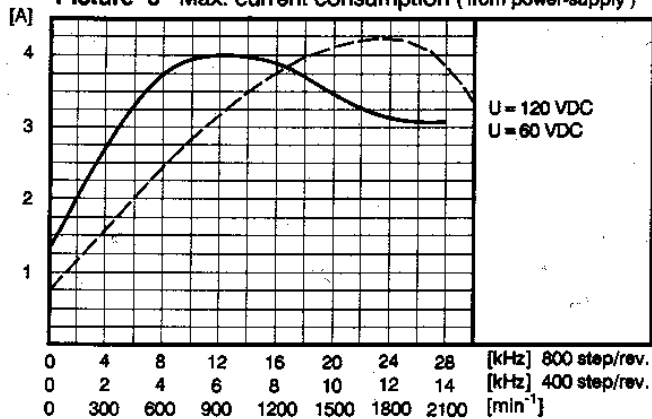
Picture 1 Maximum operating torque



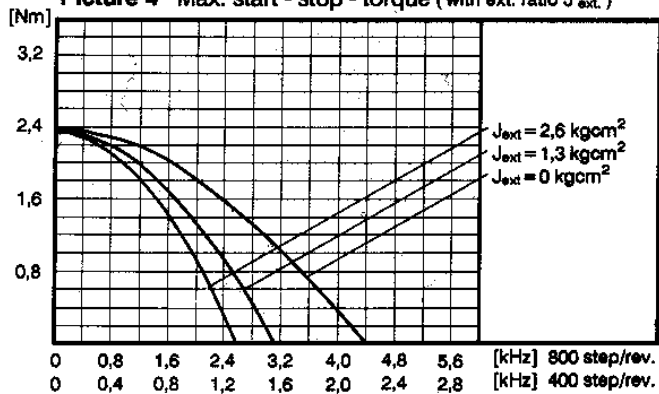
Picture 2 Acceleration (with ext. ratio J<sub>ext.</sub>)



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



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

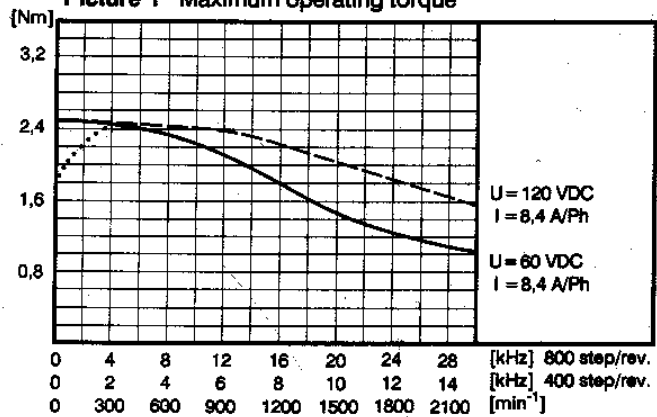


SM 86.2.18 M 6		
Electrical Data	Phase resistance	0.38 Ohm
	Phase inductance	1 mH
	Phase current A unipolar	6 A
	Phase current A bipolar	8,4 A
	Isolation class F	F
Mechanical Data	Step angle	1,8° ±3 %
	Holding torque	3 Nm
	Detend torque	0,05 Nm
	Max. 1,8° Start frequency	1 kHz
	Max. 1,8° Operating frequency	13 kHz
	Rotor inertia	1,3 kgcm <sup>2</sup>
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	2,85 kg
	Max. operating temperature	110° C

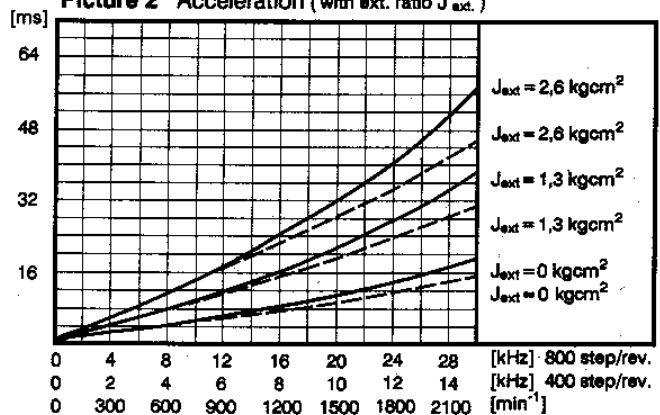
measured with:  
typical values

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

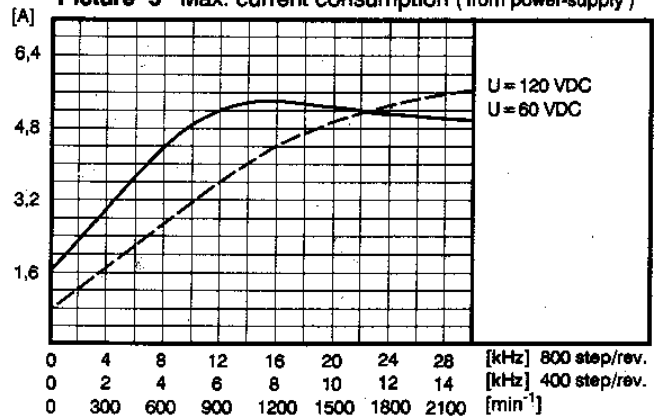
Picture 1 Maximum operating torque



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>)

