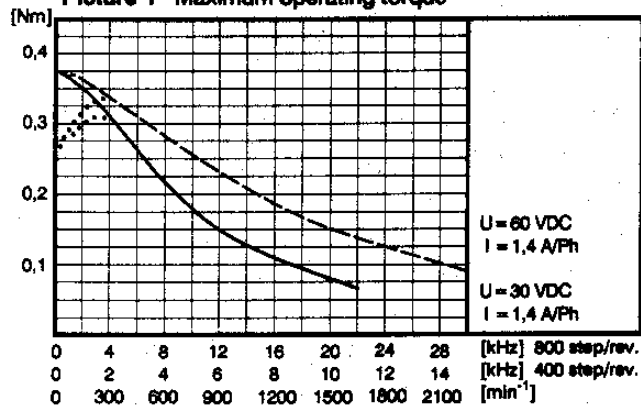


SM 56.1.18 JL 1		
Electrical Data	Phase resistance	4,75 Ohm
	Phase inductance	9 mH
	Phase current A unipolar	1 A
	Phase current A bipolar	1,4 A
	Isolation class	F
Mechanical Data	Step angle	1,8° ±3 %
	Holding torque	0,45 Nm
	Detend torque	0,01 Nm
	Max. 1,8° Start frequency	1,3 kHz
	Max. 1,8° Operating frequency	15 kHz
	Rotor inertia	0,125 kgcm ²
	Bearing thrust load	80 N
	Bearing overhang load	150 N
	Weight	0,45 kg
	Max. operating temperature	110° C

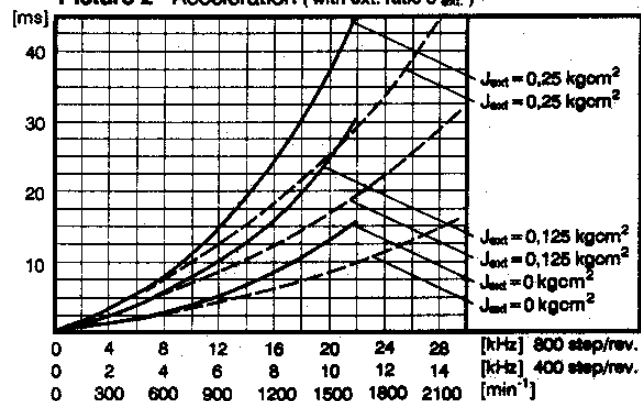
measured with: SE 800.04.60
typical values

— 30 VDC
- - - 60 VDC
..... without boost

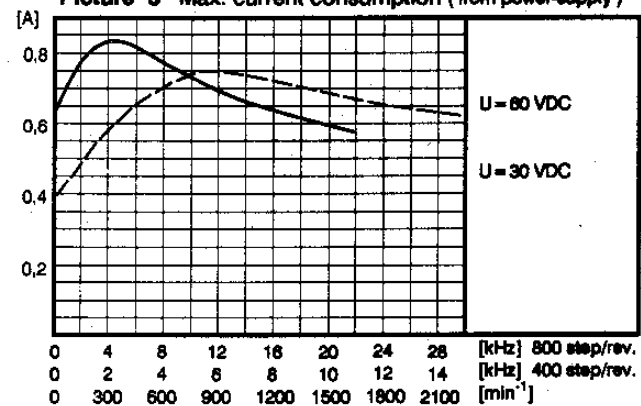
Picture 1 Maximum operating torque



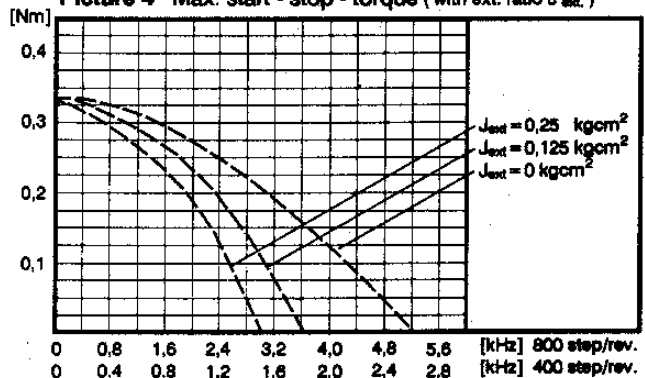
Picture 2 Acceleration (with ext. ratio J_{ext.})



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



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



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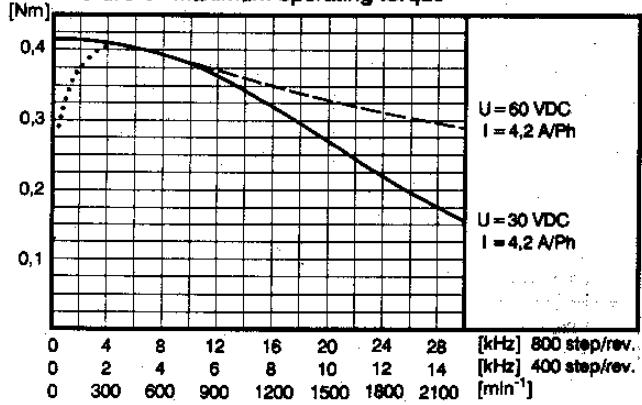
E-Mail: info@stoegra.de
Internet: www.stoegra.de

SM 56.1.18 JL 3		
Electrical Data	Phase resistance	0,72 Ohm
	Phase inductance	1,0 mH
	Phase current A unipolar	3 A
	Phase current A bipolar	4,2 A
	Isolation class	F
Mechanical Data	Step angle	1,8° ± 3 %
	Holding torque	0,45 Nm
	Detend torque	0,01 Nm
	Max. 1,8° Start frequency	1,45 kHz
	Max. 1,8° Operating frequency	15 kHz
	Rotor inertia	0,125 kgcm ²
	Bearing thrust load	80 N
	Bearing overhang load	150 N
	Weight	0,45 kg
	Max. operating temperature	110° C

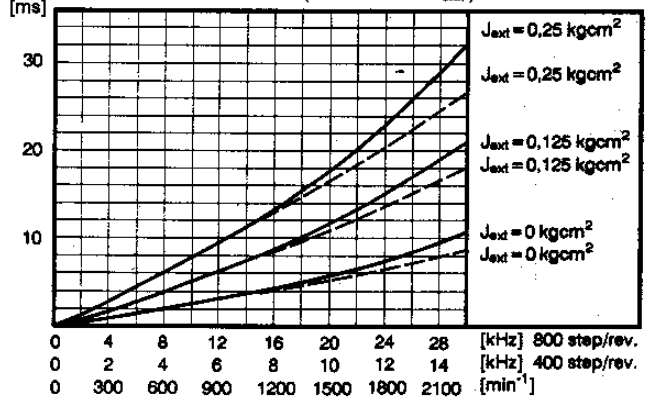
measured with: SE 800.04.60
typical values

————— 30 VDC
- - - - - 60 VDC
..... without boost

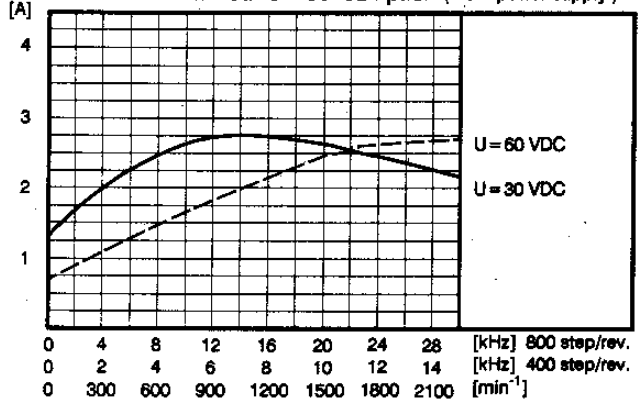
Picture 1 Maximum operating torque



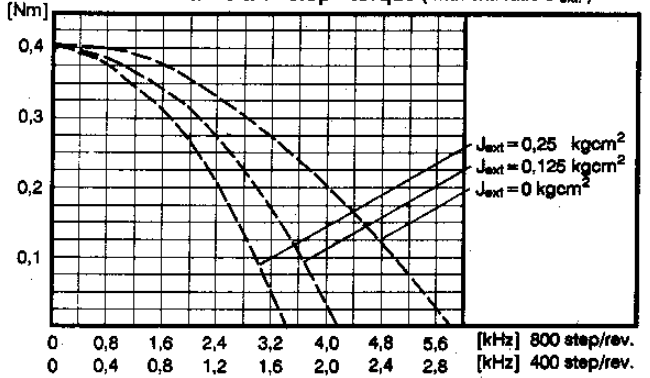
Picture 2 Acceleration (with ext. ratio J_{ext.})



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



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



SM 56.1.18 JL 3,9		
Electrical Data	Phase resistance	0,42 Ohm
	Phase inductance	0,64 mH
	Phase current A unipolar	3,9 A
	Phase current A bipolar	5,5 A
	Isolation class	F
Mechanical Data	Step angle	1,8° ± 3 %
	Holding torque	0,45 Nm
	Detent torque	0,01 Nm
	Max. 1,8° Start frequency	1,5 kHz
	Max. 1,8° Operating frequency	15 kHz
	Rotor inertia	0,125 kgcm ²
	Bearing thrust load	80 N
	Bearing overhang load	150 N
	Weight	0,45 kg
	Max. operating temperature	110° C

measured with: SE 800.06.60
typical values

— 30 VDC
- - - 60 VDC
..... without boost

