

SM 87.1.18 M 1.6		
Electrical Data	Phase resistance	2.9 Ohm
	Phase inductance	6 mH
	Phase current unipolar	1.6 A
	Phase current bipolar	2.3 A
	Isolation class	F
Mechanical Data	Step angle	1.8° ± 3 %
	Holding torque	1.8 Nm
	Detend torque	0.026 Nm
	Rotor inertia	0.65 kgcm ²
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	1.7 kg
	Operating temperature	max. 110 °C

measured with

— SE 800.04.60
 - - - SE 800.04.120
 . . . without boost

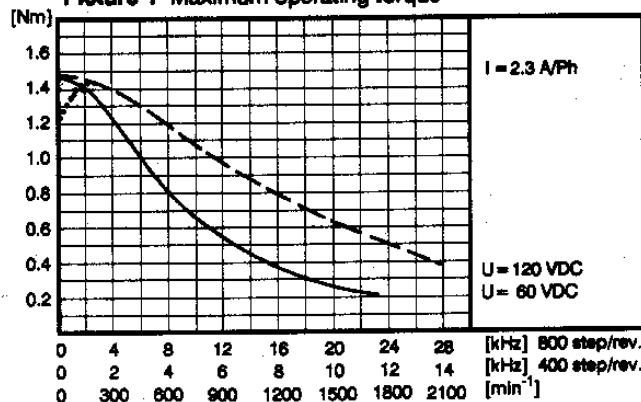
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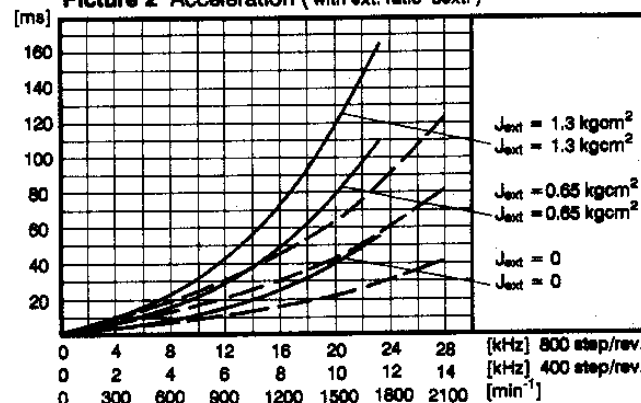
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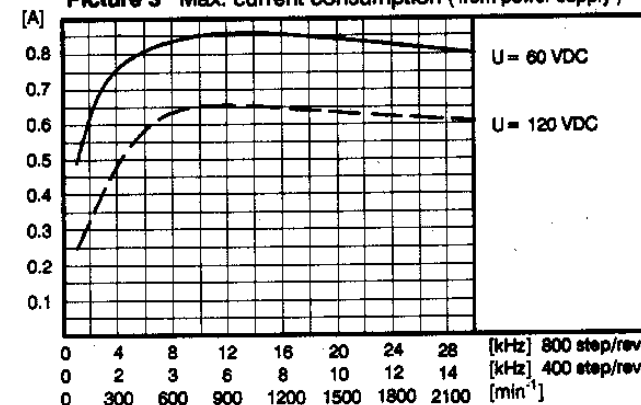
Picture 1 Maximum operating torque



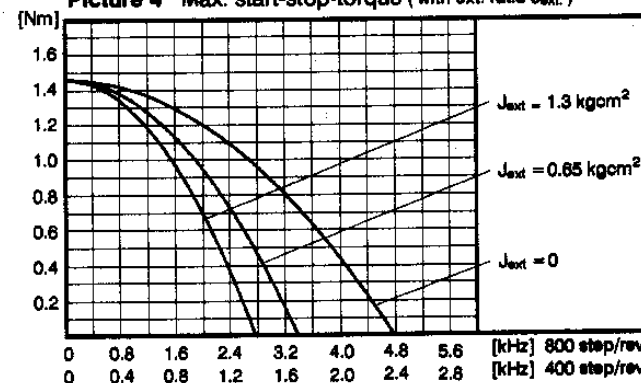
Picture 2 Acceleration (with ext. ratio J_{ext.})



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



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

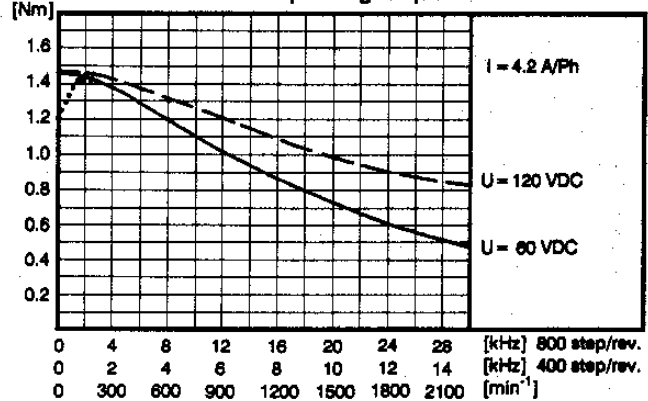


SM 87.1.18 M 3		
Electrical Data	Phase resistance	0.72 Ohm
	Phase inductance	1.6 mH
	Phase current unipolar	3 A
	Phase current bipolar	4.2 A
	Isolation class	F
Mechanical Data	Step angle	$1.8^\circ \pm 3\%$
	Holding torque	1.8 Nm
	Detend torque	0.026 Nm
	Rotor inertia	0.65 kgcm^2
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	1.7 kg
	Operating temperature	max. 110°C

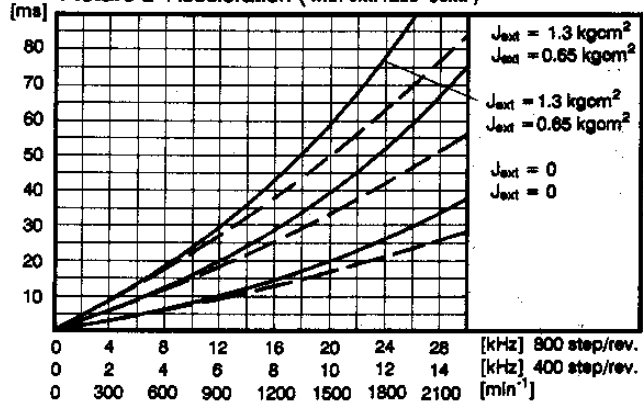
measured with

— SE 800.04.60
 - - - SE 800.04.120
 without boost

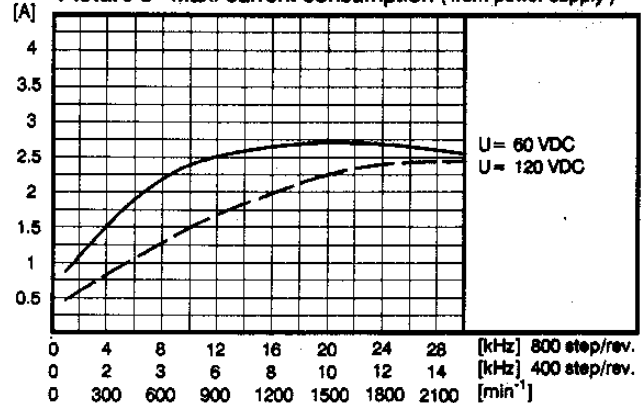
Picture 1 Maximum operating torque



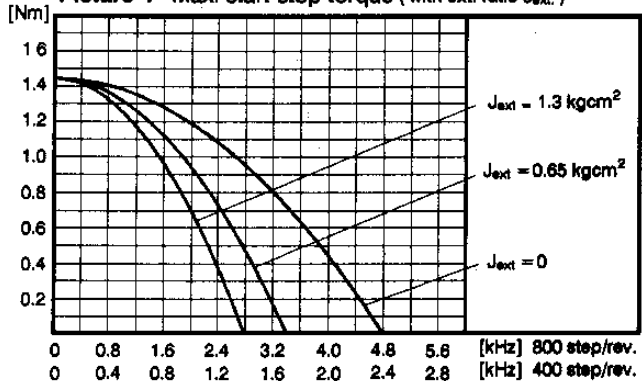
Picture 2 Acceleration (with ext. ratio J_{ext}.)



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



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

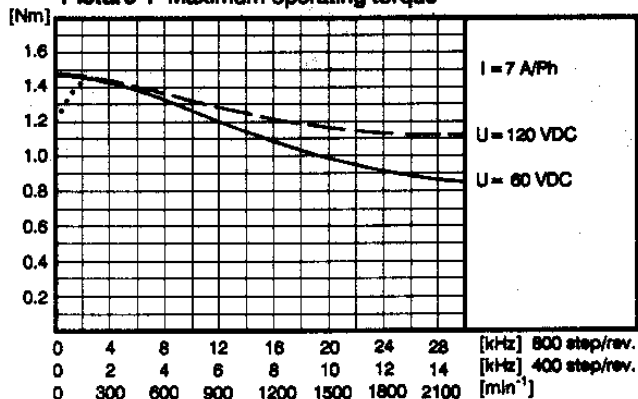


SM 87.1.18 M 5		
Electrical Data	Phase resistance	0.28 Ohm
	Phase inductance	0.7 mH
	Phase current unipolar	5 A
	Phase current bipolar	7 A
	Isolation class	F
Mechanical Data	Step angle	$1.8^\circ \pm 3\%$
	Holding torque	1.8 Nm
	Detent torque	0.026 Nm
	Rotor inertia	0.65 kgcm^2
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	1.7 kg
	Operating temperature	max. 110°C

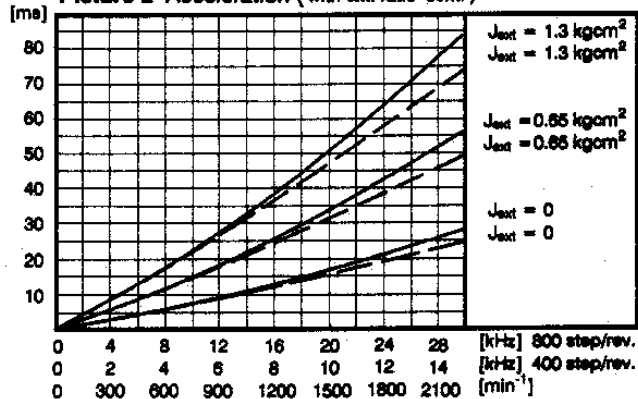
measured with

— SE 800.06.60
 - - - SE 800.06.120
 without boost

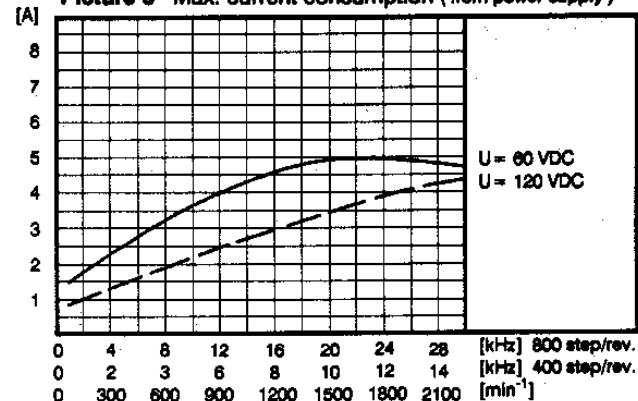
Picture 1 Maximum operating torque



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



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



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

