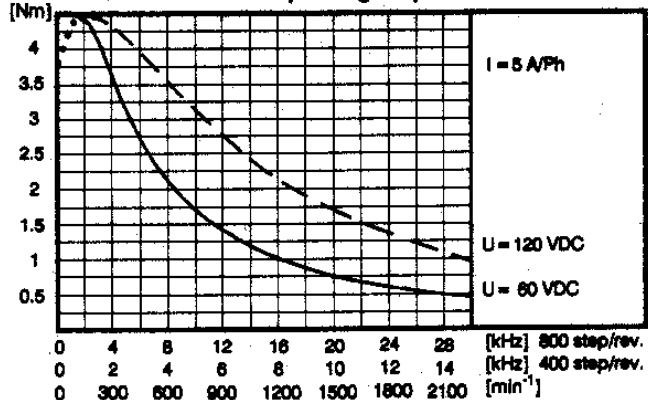


SM 87.3.18 M 3.5		
Electrical Data	Phase resistance	1.1 Ohm
	Phase inductance	5 mH
	Phase current unipolar	3.5 A
	Phase current bipolar	5 A
	Isolation class	F
Mechanical Data	Step angle	1.8° ± 3 %
	Holding torque	5.4 Nm
	Detend torque	0.08 Nm
	Rotor inertia	1.95 kgcm ²
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	3.65 kg
	Operating temperature	max. 110 °C

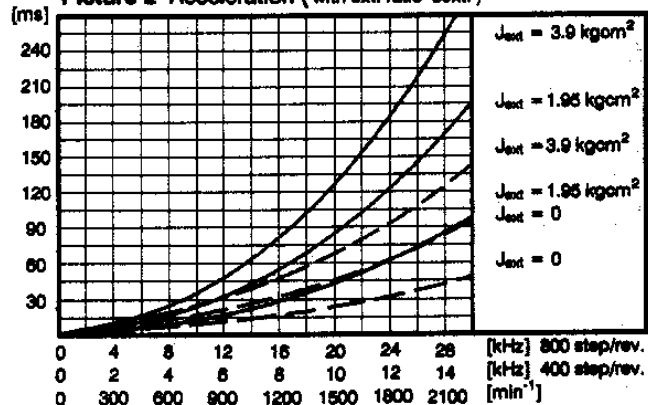
measured with

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

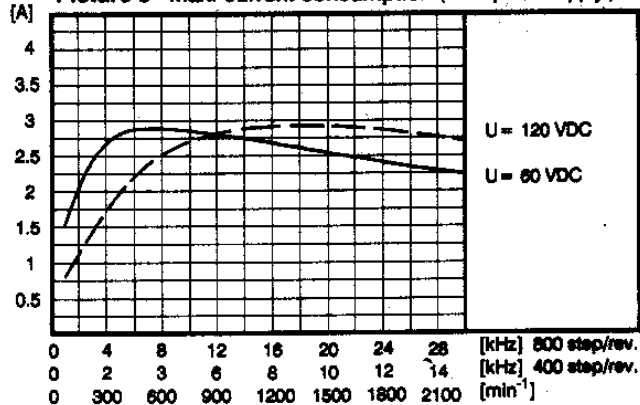
Picture 1 Maximum operating torque



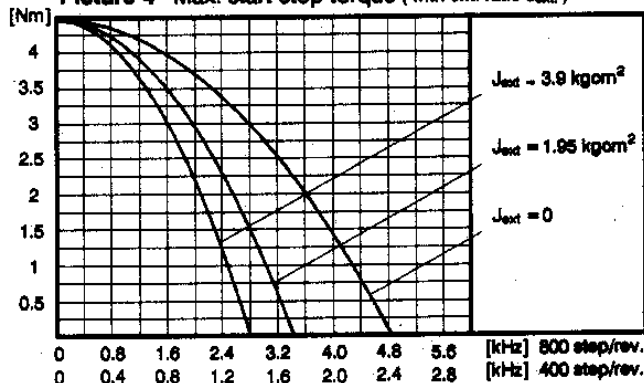
Picture 2 Acceleration (with ext. ratio $J_{ext.}$)



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



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



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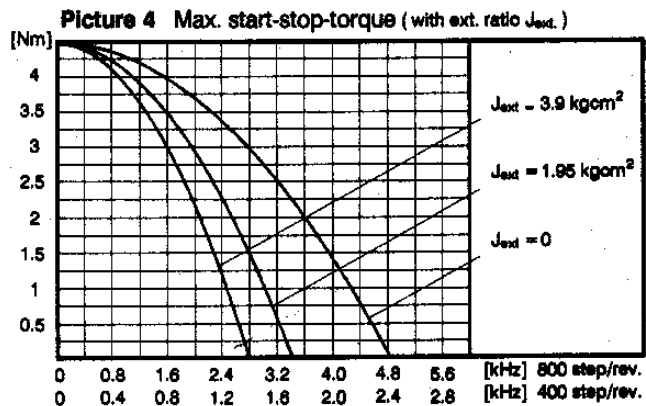
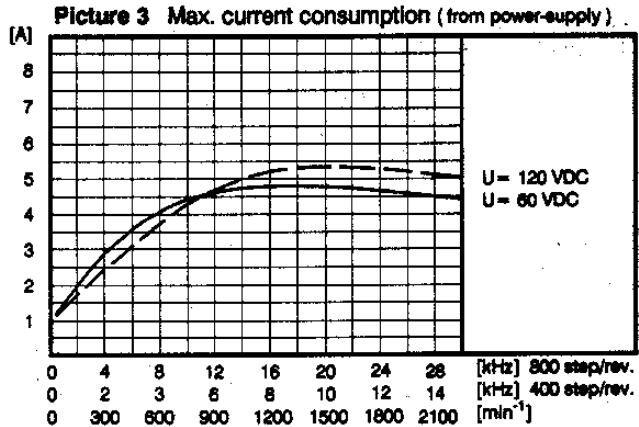
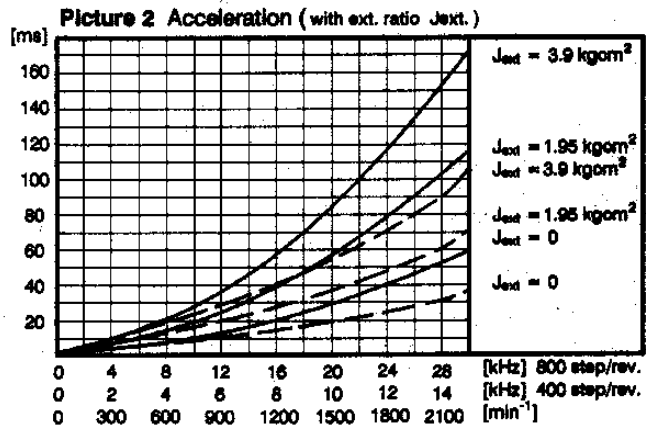
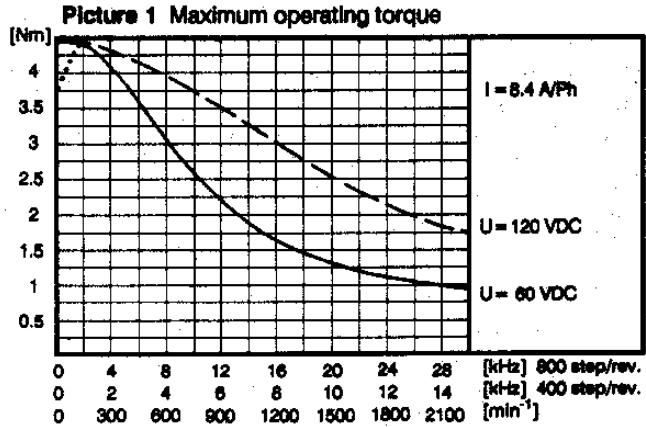
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SM 87.3.18 M 6		
Electrical Data	Phase resistance	0.43 Ohm
	Phase inductance	1.7 mH
	Phase current unipolar	6 A
	Phase current bipolar	8.4 A
	Isolation class	F
Mechanical Data	Step angle	$1.8^\circ \pm 3\%$
	Holding torque	5.4 Nm
	Detend torque	0.08 Nm
	Rotor inertia	1.95 kgcm^2
	Bearing thrust load	180 N
	Bearing overhang load	280 N
	Weight	3.65 kg
Operating temperature	max. 110°C	

measured with

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

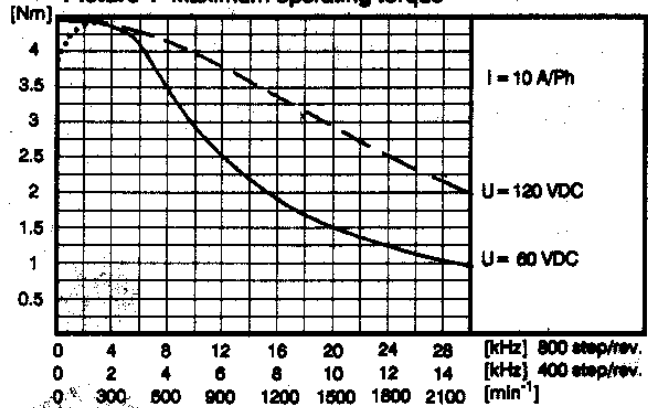


SM 87.3.18 M 7		
Electrical Data	Phase resistance	0.33 Ohm
	Phase inductance	1.0 mH
	Phase current unipolar	7 A
	Phase current bipolar	10 A
	Isolation class	F
Mechanical Data	Step angle	$1.8^\circ \pm 3\%$
	Holding torque	5.4 Nm
	Detend torque	0.08 Nm
	Rotor inertia	1.95 kgcm^2
	Bearing thrust load	180 N
	Bearing overhanging load	280 N
	Weight	3.65 kg
Operating temperature	max. 110°C	

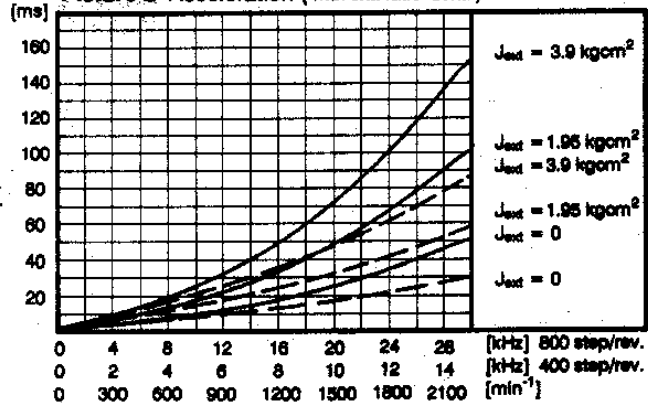
measured with

- SE 800.12.60
- - - SE 800.12.120
- without boost

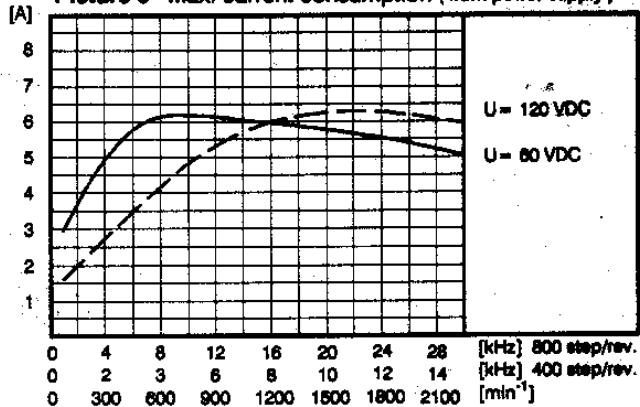
Picture 1 Maximum operating torque



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.})

