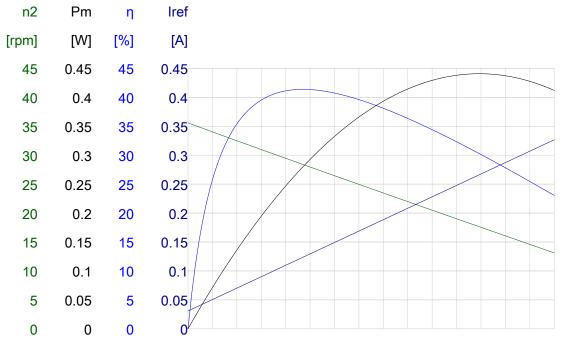


## 262885 - DC-Motor-Combination - RE16+MENC13+GP16A

## Working Point

Control		
Choke		
Motor	139953	
Encoder	262883	
Brake		
Gear	261588	
Front Gear		
Feeding voltage	5.47	V
Commutation mode	DC (direct)	-
PWM frequency		kHz
Voltage control factor	100	%
DC Link Current	0.0308	Α
Control output reference current	0.0308	Α
Motor Current	0.0308	Α
Stator current, d-axis	0	Α
Desired motor speed	3000	rpm
Desired output speed	35.6	rpm
Motor speed	3000	rpm
Output speed (gear)	35.6	rpm
Motor torque	0.214	mNm
Output torque	0	Nm
Winding temperature	25	°C
Stator temperature	25	°C
Ambient temperature	25	°C
Temperature Calculation	with fixed temperature	-

El. feeding power (amplifier)	0.169	W
- Overall losses in the amplifier	0	W
- Brake losses	0	W
- Overall motor losses	0.102	W
Joule losses cable	0	W
Joule losses in the commutation syste	0.0019	W
Joule losses winding	0.00963	W
Speed dependent losses	0.0901	W
Additional losses	0	W
- Overall gear 1 losses	0.0671	W
- Overall front gear losses	0	W
Power transferred to load	0	W
Overall efficiency		%
Electrical frequency (1st harmonic)	50	Hz
Winding Resistance, warm	10.1	Ω
Torque constant, warm	16.2	mNm/A
Magnet temperature	25	°C



0 20 40 60 80 100120140160180200220240260280300 M2 [mNm]