

Your comments

Your Requirements

Motor-, Gearhead- or Encoder preselection (optional)		
Motor series	All	
Gearhead series	All	
Encoder series	Without encoder	
Global settings		
Ambient temperature	22	°C
Ambient pressure	1	bar
Available diameter, max.	100	mm
Available length, max.	400	mm
Available supply voltage, max.	24	V
Battery mode	no	
Advanced settings		
Available current, max.	5	A
Efficiency, min.	10	%
RTH2 Reduction	Default of motor. See info.	
Encoder: Steps per revolution, min.	16	i
Your entries		
Operation type	Continuous operation	
Load transmission	Direct rotational	
Required load speed	1.000	min ⁻¹
Required load torque	10	mNm
Cycles	1	

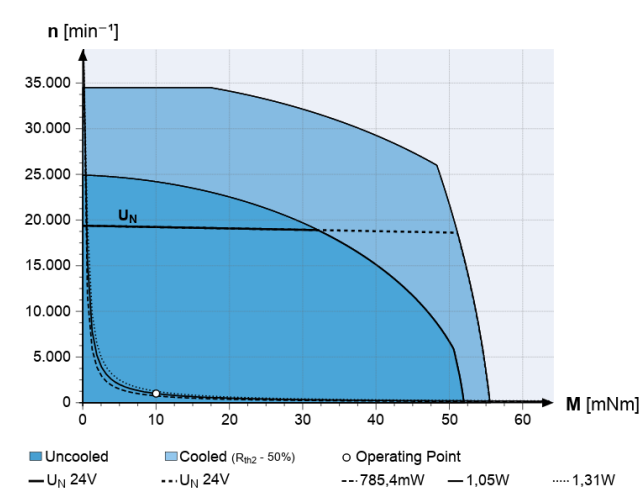
Results of the Load Calculation

Load current	893,39	mA
Load voltage	1,43	V
Motor winding temperature	23,46	°C
Motor housing temperature	23,25	°C
Required motor torque	10	mNm
Required motor speed	1.000	min ⁻¹
Output power	1,05	W
Efficiency (over all)	81,89	%

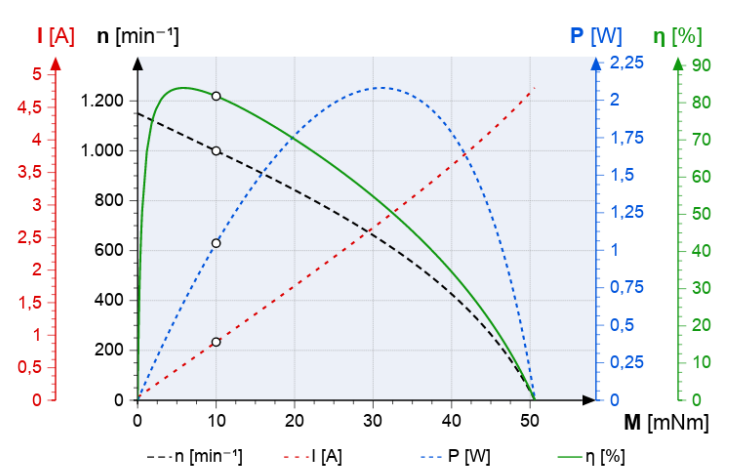
Overall Dimensions

Diameter	22	mm
Length	64	mm
Mass	140	g

Operating Area



Characteristic curves



Motor Characteristic Data

Nominal voltage	24	V
Terminal resistance	220	mΩ
Torque constant	11,8	mNm/A
No load speed	21.100	min ⁻¹
Stall torque	1,31	Nm
Speed constant	809	min ⁻¹ /V
Rotor inductance	24	μH
Slope of n-M curve	14,8	min ⁻¹ /mNm
Rotor inertia	9,2	gcm ²
Mechanical time constant	1,4	ms
RTH2 Reduction	55	%
Efficiency max.	91	%

Link to your calculation

<https://www.faulhaber.com/en/driveselection/fdst/showDetail/nc18rh/566/>

Contact

Do you have any questions regarding FAULHABER Products, our Services, or other Drive System related issues?

Please contact your local representative or fill out our contact form.

<https://www.faulhaber.com/en/contact/inquiry/>

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