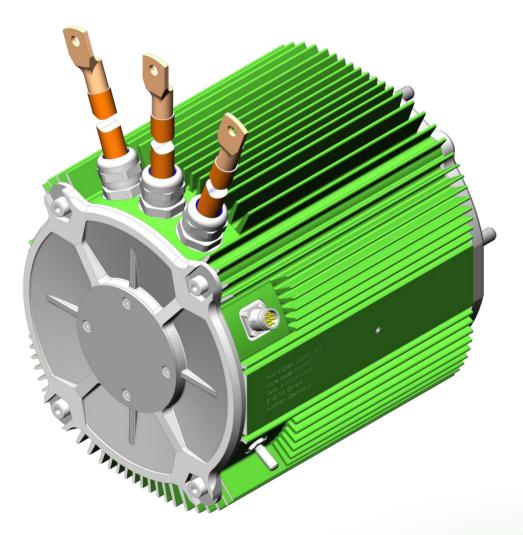


205A-08020-ABC

air-cooled motor / generator with up to 14 kW continuous power



KEY FEATURES

- permanent magnet synchronous machine
- air-cooled
- high peak power for motor applications
- convincing cost-benefit ratio
- recommended voltage range from 48V to 200V
- delivery with controller possible

ENGIRO GmbH · Avantisallee 51 · 52072 Aachen · Germany Tel. +49 (0)241 99798-0 · E-Mail: engineering@engiro.de · www.engiro.de

Hc

Table of Content



Section	Page
Technical Data Machine	3
Technical Drawings Machine	4
Characteristics Machine 48V	5
Characteristics Machine 96V	6
Characteristics Machine 140V	7

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Page: 2 Version: 010

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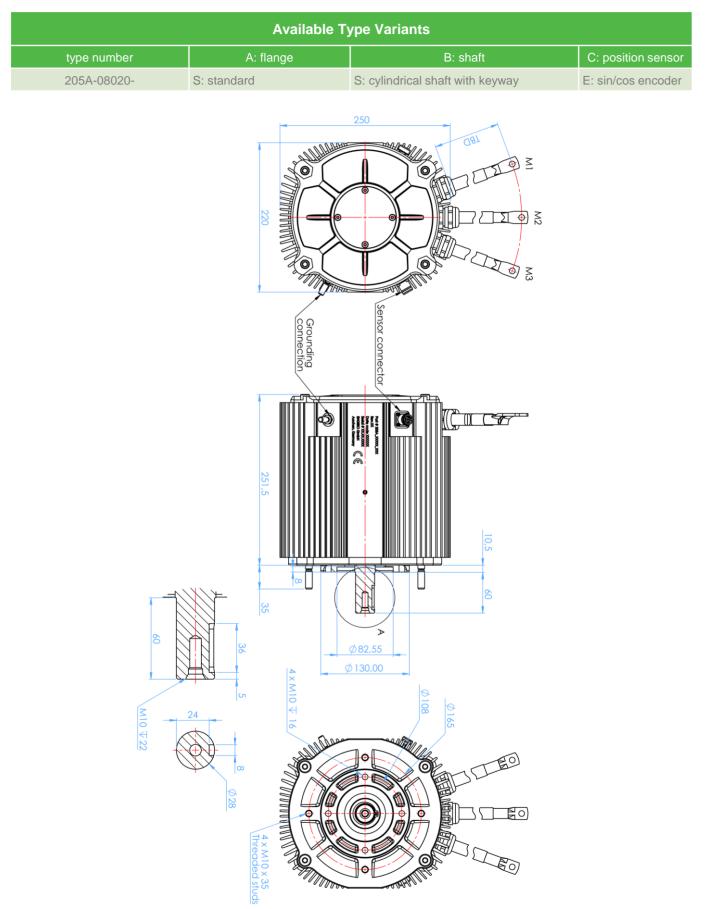


	Nominal Operation (S1	, cooning as spe		vv)		
Torque	T _{nom}		57			
Power	P _{nom}	14				kW
Speed	n _{nom}		rpm			
Phase rms-current	I _{nom}				159 ^{1,2)}	А
Battery voltage (DC)	U _{nom}	96				\vee
Electric frequency	f _{el,nom}				150	Hz
Power factor	$\cos(\phi)$				0.76	
	Maximal Values (S2, 10	s, cooling as sp	ecified belc	ow)		
Torque	T_{\max}				201	Nm
Power	P _{max}		kW			
Phase rms-current	I _{max}		А			
Battery voltage (DC)	U _{max}	200				\vee
Speed	n _{max}	8000				rpm
Electric frequency	f _{el, max}				533	Hz
	Elec	trical Data				
Number of phases					3	
Number of pole pairs			4			
Maximal efficiency		96				%
T/I constant (I <i<sub>nom)</i<sub>					0.36	Nm/A _{rms}
U/n constant (AC) at a temperature of 30°C		rms:	22.8	peak:	38.8	V/(1000rpr
$K_{\rm e}$ constant (AC) at a temperature of 30°C		rms:	0.054	peak:	0.093	V/(rad*s-1)
	Addi	itional Data				
Weight (w/o cables)			kg			
Rotor moment of inertia			kg*m²			
Protection category		IP6K9K ³⁾				
Maximal motor temperature			120			
Allowed ambient temperature			-20 454)			
Cooling (medium, flow rate, inlet temperature, pressure)		air, > 12 m/s, ≤ 25°C				
Temperature monitoring			1 x KTY84-130			
Type approval		CE, EN 60034				
Customs tariff number				8	3501 5230	
	Co	onnectors				
Power terminals	3 x 50mm ² cables with M8 cable lugs					
Weight power cables	3.3				kg	
Length power cables		2				
Signal connectors				N.A.	16, 10 Pin	

¹⁾ Nominal current strongly dependent on cooling as specified below. / ²⁾ The cables must not exceed a temperature of 140 °C at any time. Temperature and service life depend on the installation condition. / 3) Please note that the IP6K9K rating is only valid if the machine is installed with suitable cable glands and an appropriate sealed interface at the drive side of the motor (flange and/or shaft). Please contact ENGIRO for further questions. / 4) other range on request

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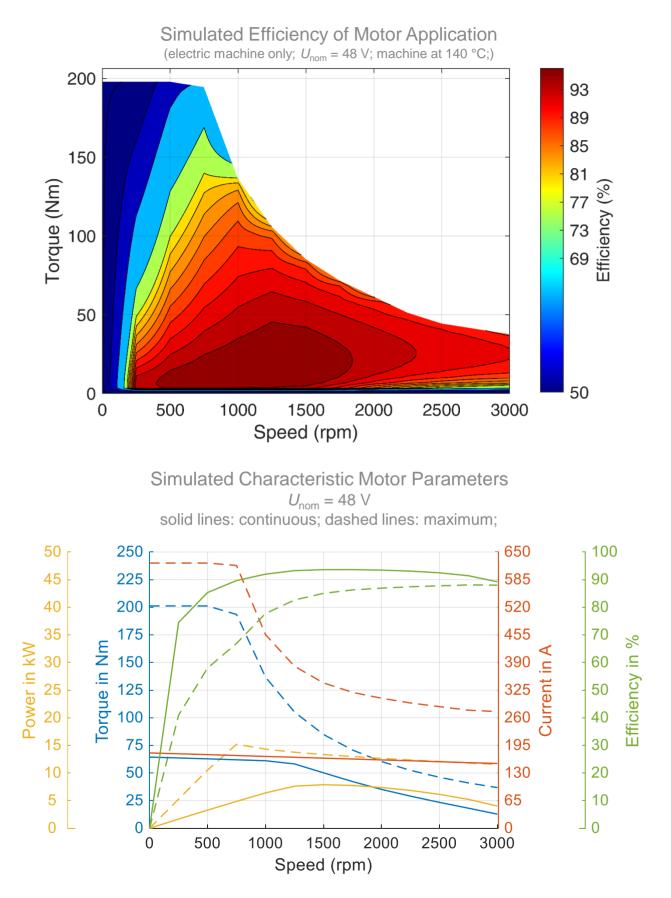




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Page: 4 Version: 010

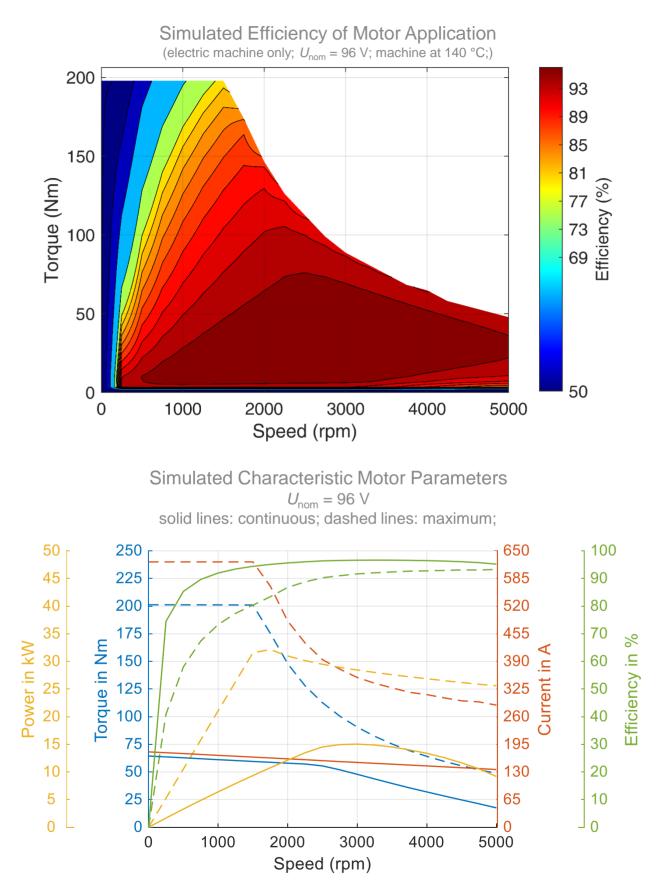




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Page: 5 Version: 010

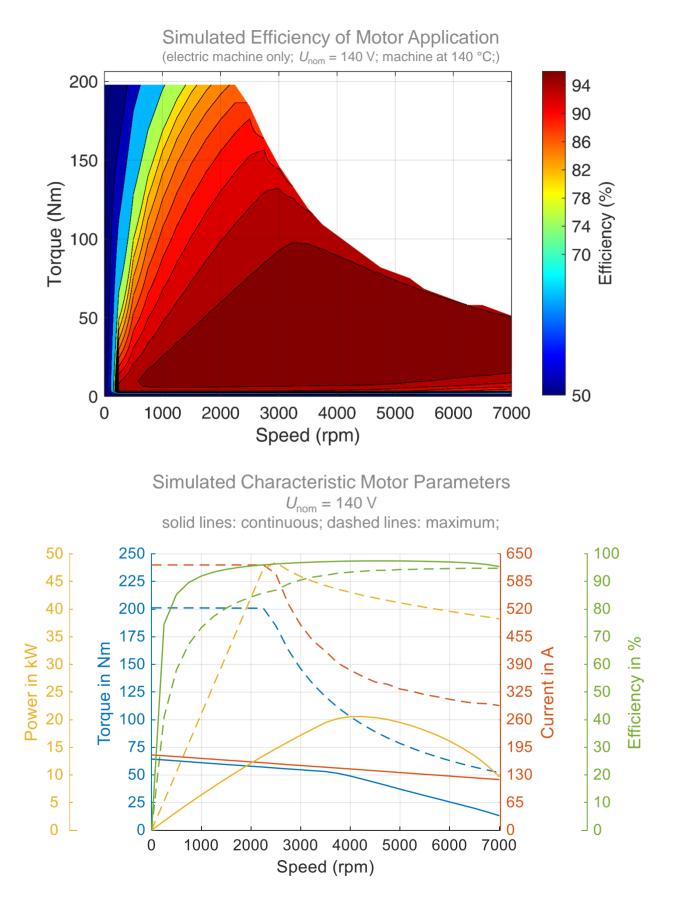




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Page: 6 Version: 010





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Page: 7 Version: 010