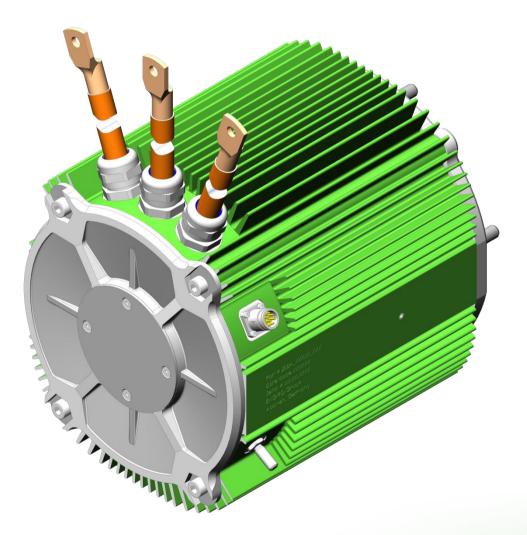


205A-04013-ABC

air-cooled motor / generator with up to 10 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

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Hc



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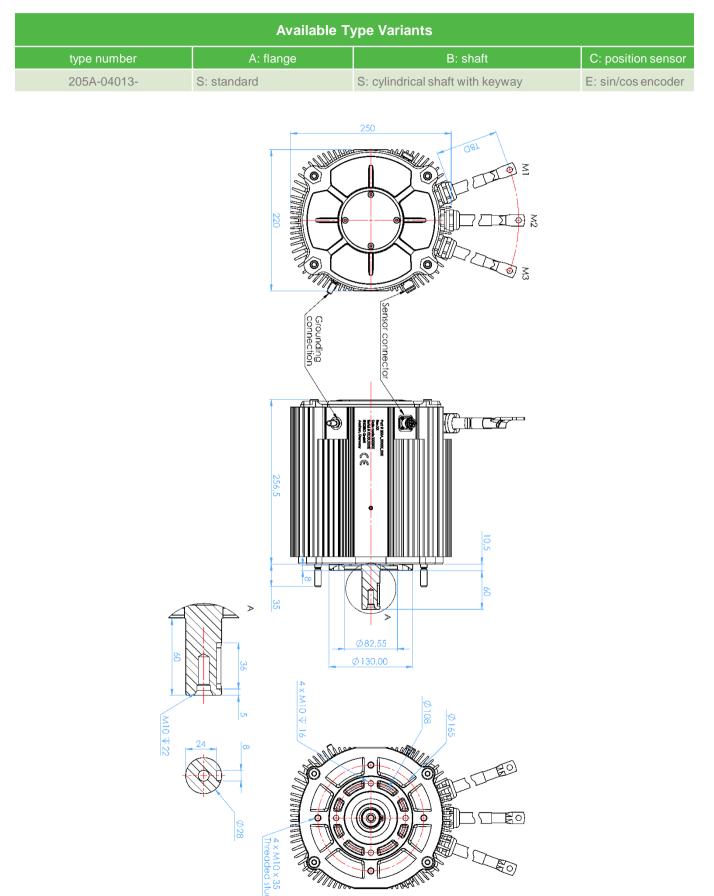
	Nominal Operation (S1	l, cooling as spe	cified belo	w)			
Torque	T _{nom}		26				
Power	P _{nom}		kW				
Speed	n _{nom}		rpm				
Phase rms-current	I _{nom}				226 ^{1,2)}	А	
Battery voltage (DC)	U _{nom}	48				V	
Electric frequency	f _{el,nom}	250				Hz	
Power factor	cos(φ)				0.65		
	Maximal Values (S2, 10	s, cooling as sp	ecified belc	ow)			
Torque	T_{\max}		Nm				
Power	P _{max}		kW				
Phase rms-current	I _{max}		А				
Battery voltage (DC)	U _{max}		V				
Speed	n _{max}	8000				rpm	
Electric frequency	f _{el, max}	533				Hz	
	Elec	ctrical Data					
Number of phases				3			
Number of pole pairs			4				
Maximal efficiency		96					
T/I constant (I <i<sub>nom)</i<sub>					0.11	Nm/A _{rms}	
U/n constant (AC) at a temperature of 30°C		rms:	7.4	peak:	12.6	V/(1000rpm	
$K_{\rm e}$ constant (AC) at a temperature of 30°C		rms:	0.018	peak:	0.03	V/(rad*s-1)	
	Addi	itional Data					
Weight (w/o cables)		21					
Rotor moment of inertia			0.009				
Protection category			IP6K9K ³⁾				
Maximal motor temperature			120				
Allowed ambient temperature		-20 454)				°C	
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					8501 5230		
	Co	onnectors					
Power terminals			3 x 50mm ² c	ables with M8	cable lugs		
Weight power cables		3.3					
Length power cables		2					
Signal connectors				M	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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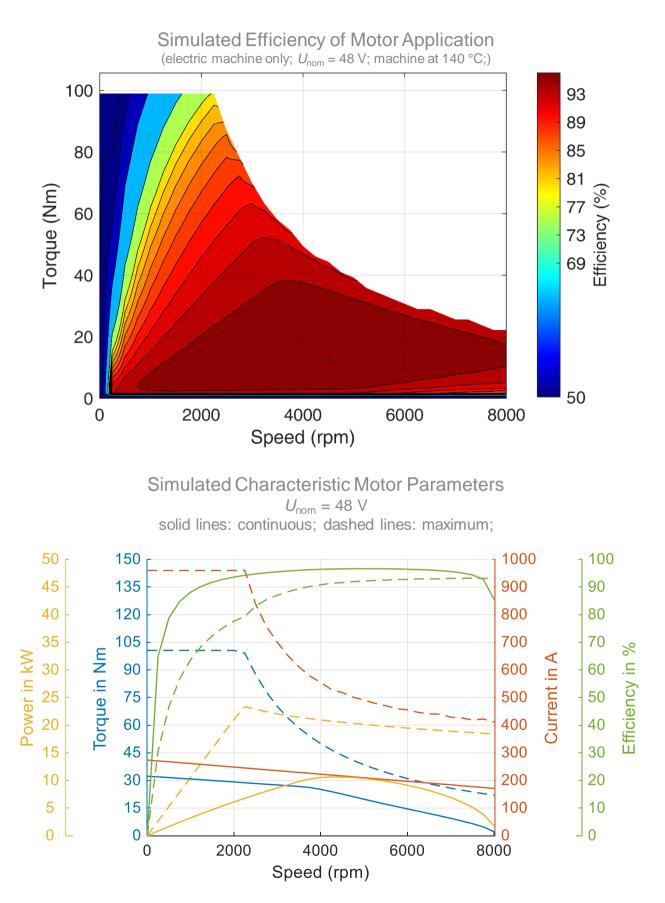




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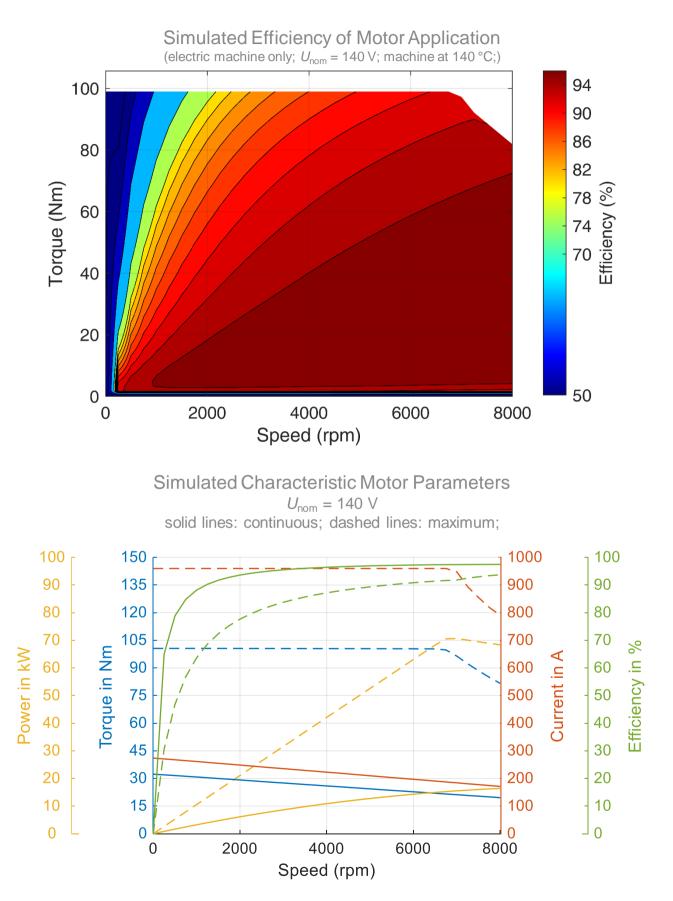




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