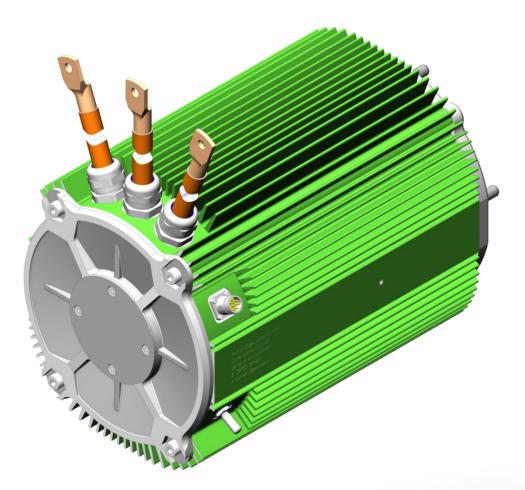


205A-12010-ABC

air-cooled motor / generator with up to 28 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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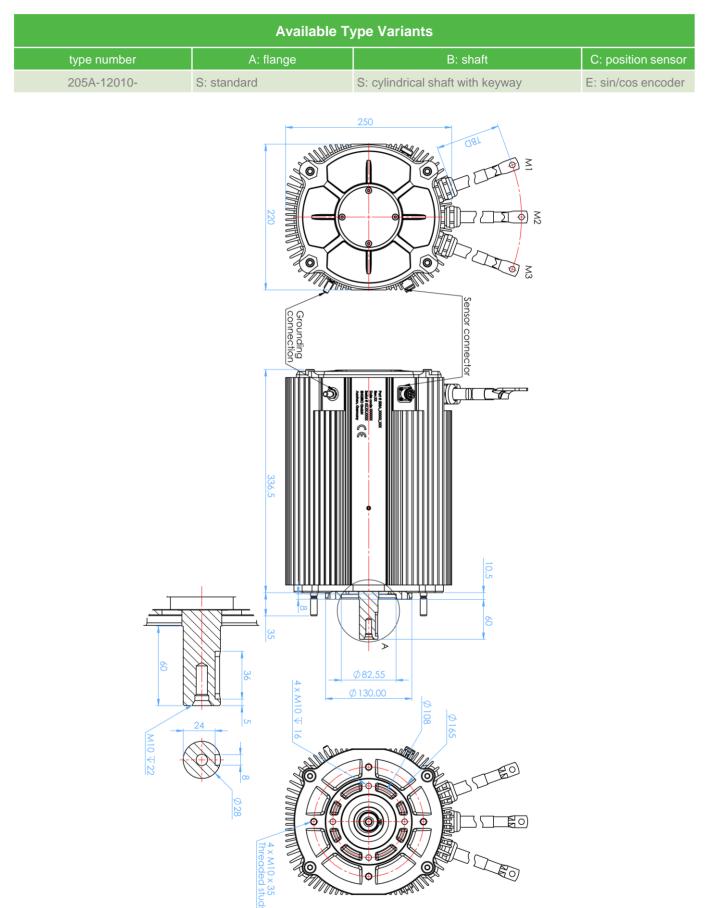
	ominal Operation (S1	, ocomig us spe	cified belo			
Torque	T _{nom}		81			
Power	P _{nom}	28				kW
Speed	n _{nom}	3250				rpm
Phase rms-current	I _{nom}	300 ^{1,2)}				А
Battery voltage (DC)	Unom	96				V
Electric frequency	f _{el,nom}				216	Hz
Power factor	$\cos(\phi)$				0.75	
Ma	ximal Values (S2, 10	s, cooling as sp	ecified belc	ow)		
Torque	T_{\max}				295	Nm
Power	P _{max}		kW			
Phase rms-current	/ _{max}	1250 ²⁾				A
Battery voltage (DC)	U _{max}	200				V
Speed	n _{max}	8000				rpm
Electric frequency	f _{el, max}	533			Hz	
	Elec	trical Data				
umber of phases			3			
Number of pole pairs		4			4	
Maximal efficiency		96			%	
T/I constant (I <i<sub>nom)</i<sub>					0.27	Nm/A _{rms}
U/n constant (AC) at a temperature of 30°C		rms:	17.1	peak:	29.1	V/(1000rpm
$K_{\rm e}$ constant (AC) at a temperature of 30°C		rms:	0.041	peak:	0.069	V/(rad*s-1)
	Addi	tional Data				
Weight (w/o cables)					37	kg
Rotor moment of inertia		0.019				kg*m²
Protection category		IP6K9K ³⁾				
Maximal motor temperature		120				°C
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				
ustoms tariff number 8501 5230						
	Co	onnectors				
Power terminals			3 x 50mm² c	ables with M8 o	cable lugs	
Weight power cables	3.3				kg	
Length power cables					m	

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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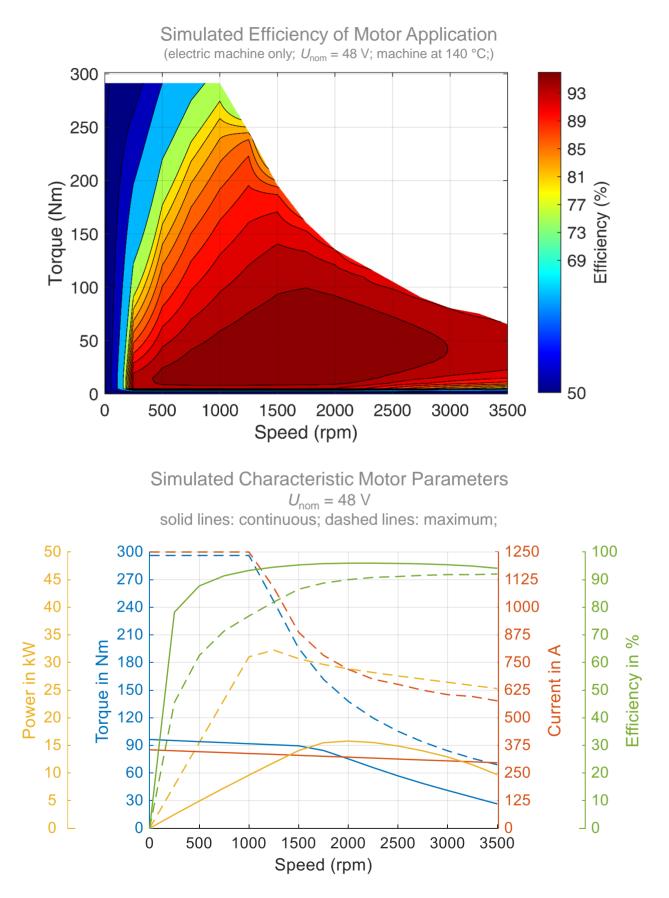




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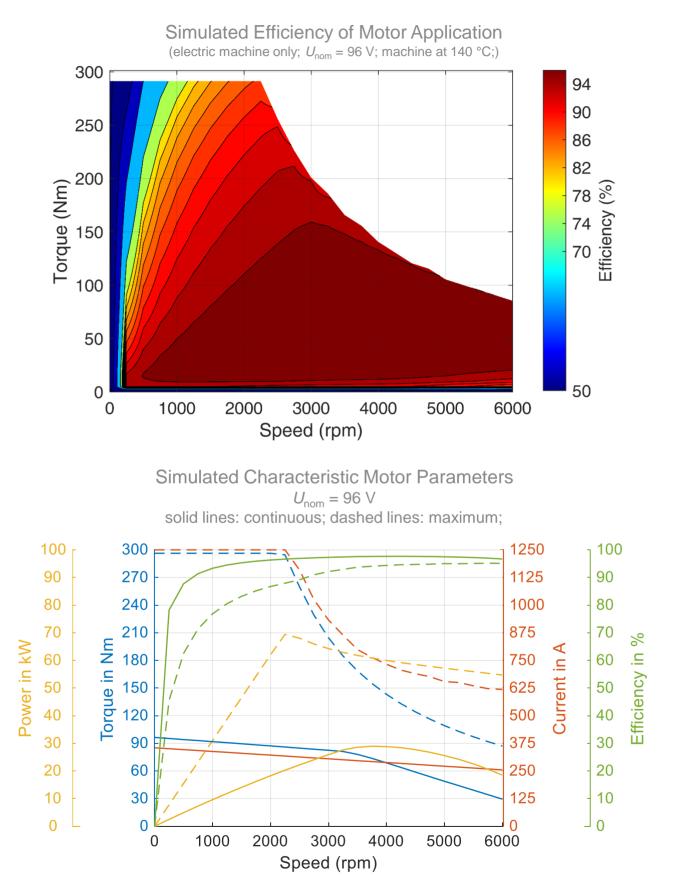




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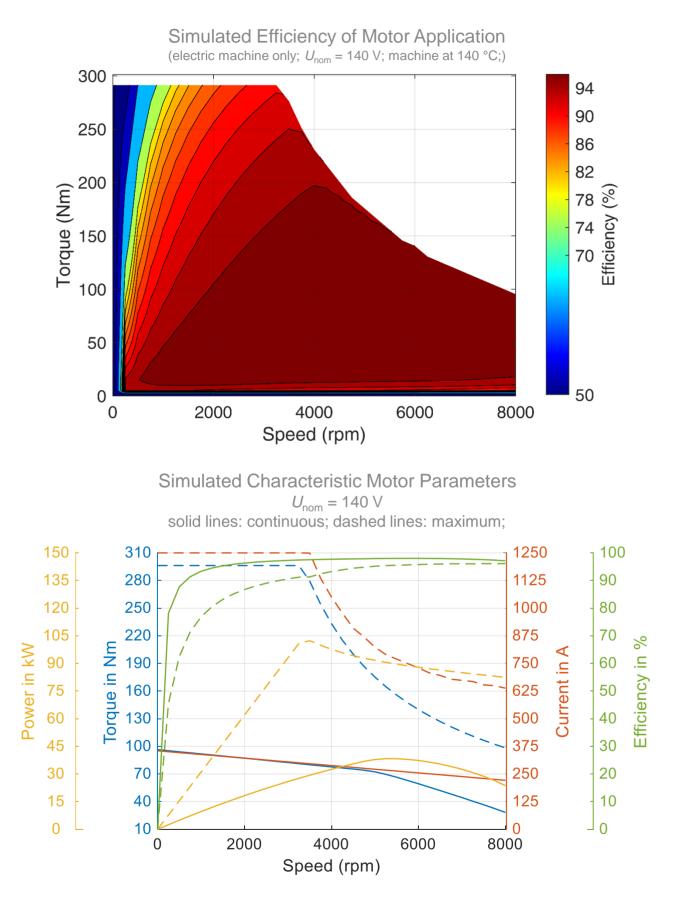




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