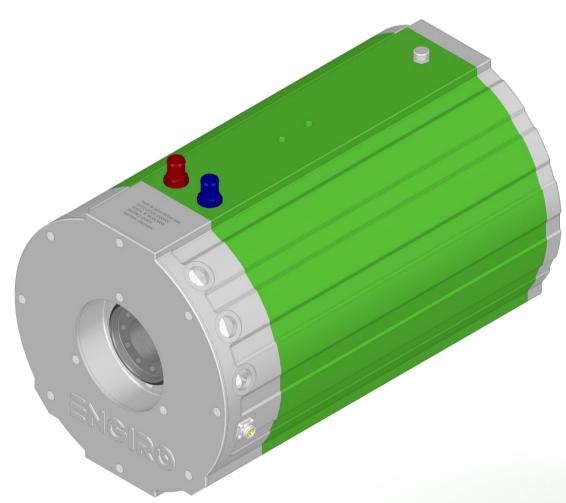


Data Sheet 260W-25018-ABC

water-cooled motor/generator with up to 163 kW power



KEY FEATURES

- permanent magnet synchronous machine
- water-cooled
- high peak power for motor applications
- convincing cost-benefit ratio
- recommended voltage range from 300V to 850V
- delivery with controller possible
- Double shaft end with screw flange

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
Table Shaft and Flange Combinations	4
Technical Drawings Machine	4
Characteristics Machine – 400 V	5
Characteristics Machine – 700 V	6

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Data Sheet 260W-25018-ABC

Technical Data Machine



Νοι	minal Operation (S2, 6	0min, cooling a	s specified b	pelow)		
Torque	T _{nom}		778		780	Nm
Power	P _{nom}		102		163	kW
Speed	n _{nom}		1250		2000	rpm
Phase rms-current	I _{nom}		256 ^{1,2)}		2521,2)	A
Battery voltage (DC)	U _{nom}		400 700		V	
Electric frequency	f _{el,nom}		104 167			Hz
Power factor	cos(φ)		0.73		0.73	
	Maximal Values (S2, 1)	0s, cooling as s	pecified belo	ow)		
Torque	T _{max}		1386		1386	Nm
Power	P _{max}		145 254			kW
Phase rms-current	/ _{max}		547 ²⁾		547 ²⁾	A
Battery voltage (DC)	U _{max}				850	\vee
Speed	n _{max}		3740 rpm			
Electric frequency	f _{el, max}				312	Hz
	Ele	ctrical Data				
Number of phases					3	
Number of pole pairs	per of pole pairs		5			
Maximal efficiency					96	%
T/I constant (I <inom)< td=""><td></td><td></td><td></td><td></td><td>3.16</td><td>Nm/A_{rms}</td></inom)<>					3.16	Nm/A _{rms}
<i>U</i> / <i>n</i> constant (AC) at a temperature of 30°C		rms:	188.9	peak:	292.8	V/(1000rpm)
$K_{\rm e}$ constant (AC) at a temperature of 30°C		rms:	0.361	peak:	0.559	V/(rad*s-1)
	Add	litional Data				
Weight (w/o cables)	eight (w/o cables) 137			137	kg	
Rotor moment of inertia			0.158			kg*m²
Protection category			IP6K9K ³⁾			
Maximal motor temperature			140			°C
Allowed ambient temperature		-20 454)			°C	
Cooling (medium, flow rate, inlet tem	poling (medium, flow rate, inlet temperature, pressure) water/glycol 50/50, 24 l/min, ≤ 45°C, ≤ 0.5 ba		C, ≤ 0.5 bar			
emperature monitoring 1 x KTY84-13		KTY84-130				
Type approval		CE, EN 60034				
ustoms tariff number 8501 5381						
	C	onnectors				
Power terminals			3 x M25 cable gland			
Signal connectors		M16, 10 Pin				
Cooling connectors			2 x ¾" / 19 mm			

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. / Only applies to SFR Variant /

4) other range on request

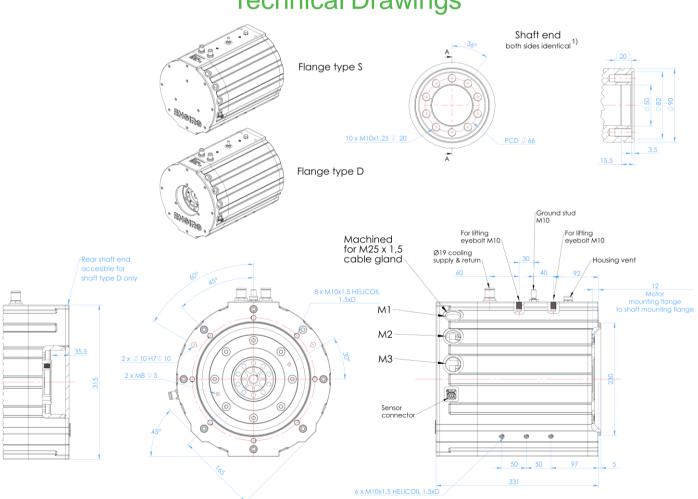
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Table Shaft and Flange **Combinations**



Shaft and Flange Combinations for 260W-25018-ABC		Flange (A)		
		S (Standard)	D (Double)	
Shaft (B)	F (Hollow shaft with two screw flanges)	۰	(●) DFR variant only approved for ≤ 3500 rpm	
Position Sensor (C)		R: Resolver		

Other individual combinations are also possible on request.



Technical Drawings

1) Applies to flange type D only

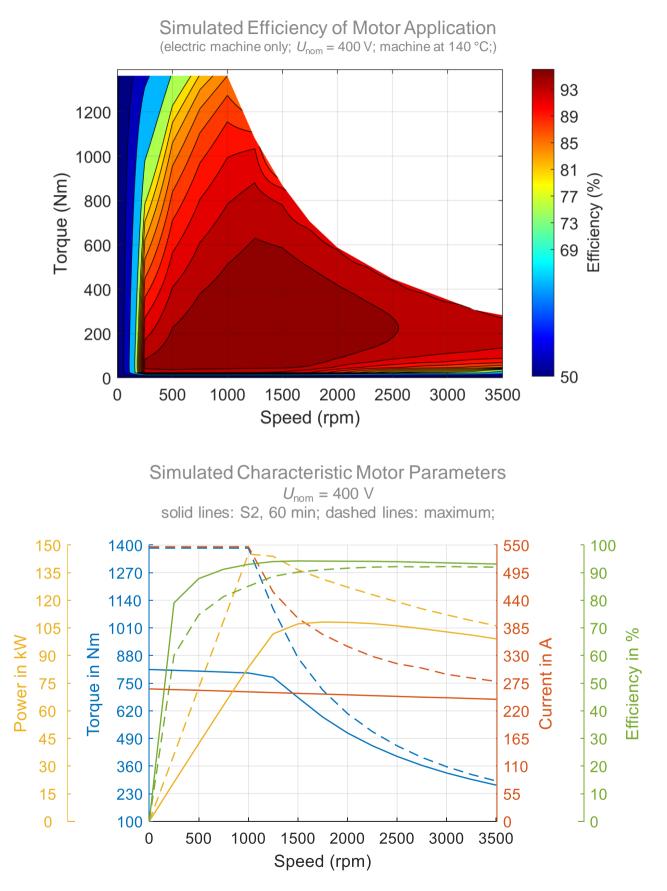
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Page: 4 Version: 011

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Characteristics Machine



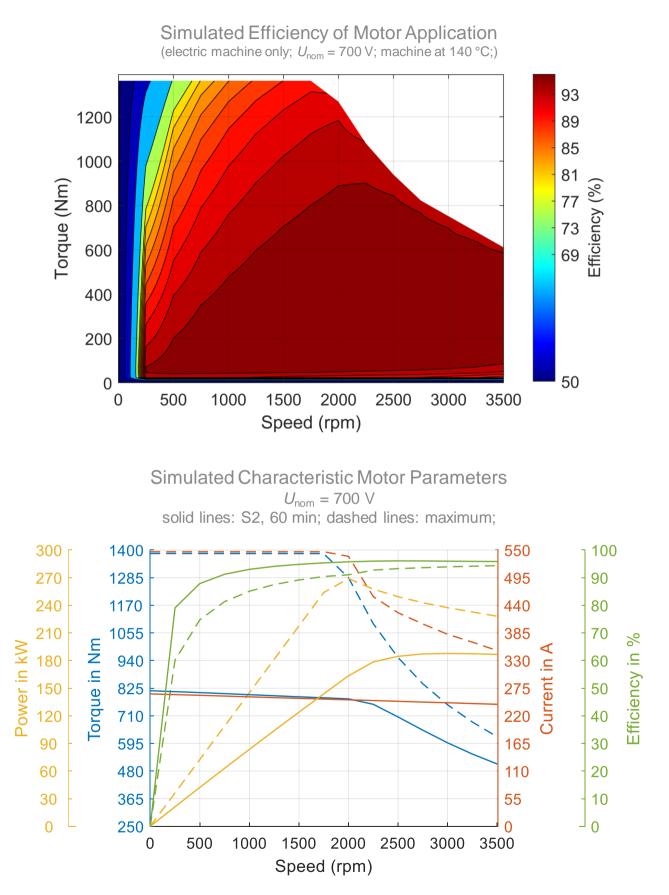


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Characteristics Machine





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