

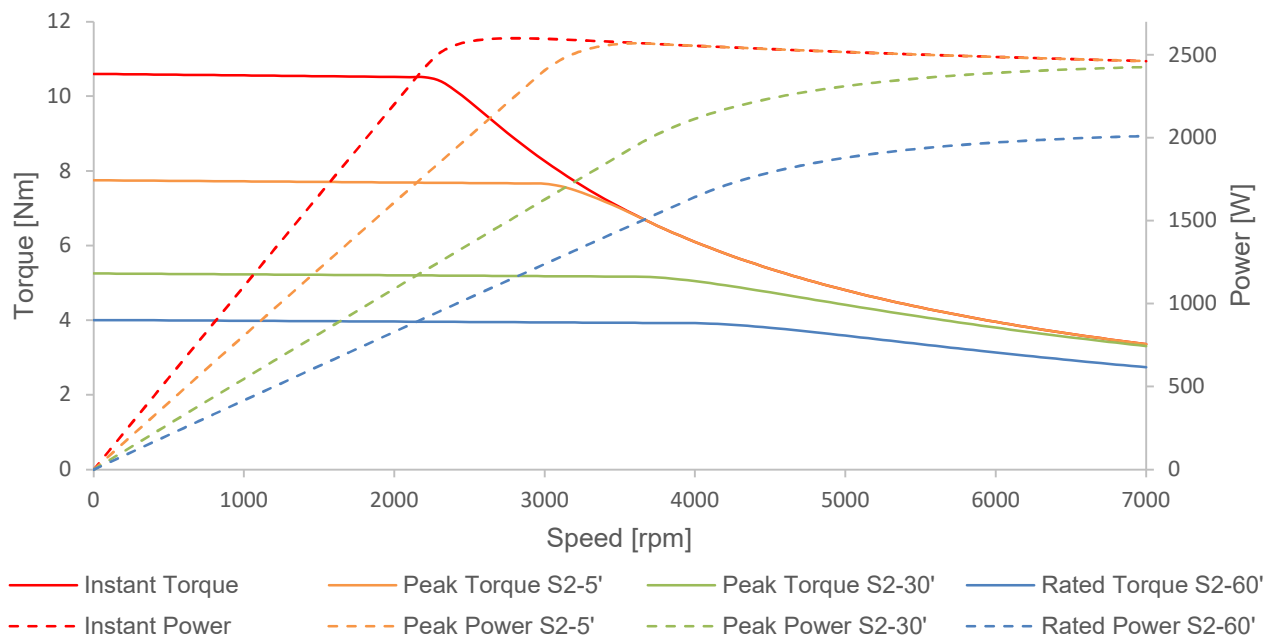
Motor Rated Power	1500W
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Inverter Power Supply	24Vdc
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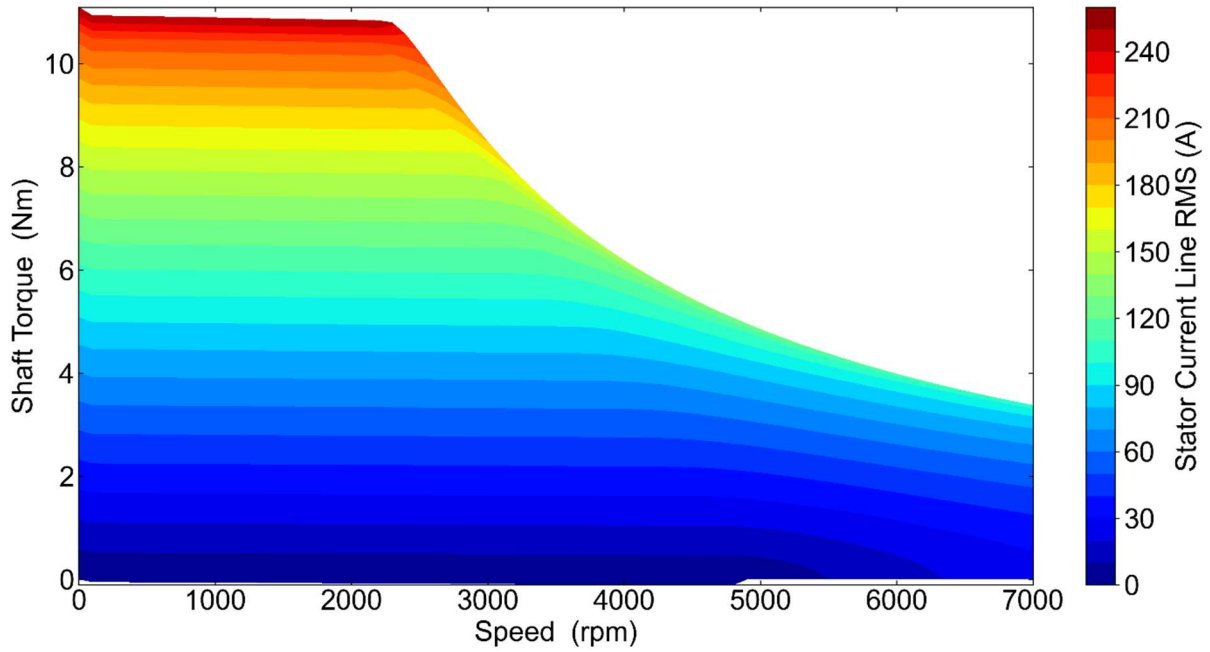
Description	Symbol	Unit		
Duty	-	-	S2-60'	
Nominal Speed	n_n	rpm	3000	
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)	
Voltage Constant	K_e	Vrms/Krpm	3.6	
Instant Torque	T_i	Nm	11.0	
Instant Current	I_i	Arms	250.0	
Peak Torque S2-5'	T_p	Nm	7.8	
Peak Current S2-5'	I_p	Arms	150.0	
Peak Torque S2-30'	T_r	Nm	5.2	
Peak Current S2-30'	I_r	Arms	95.0	
Rated Torque S2-60'	T_r	Nm	4.3	
Rated Current S2-60'	I_r	Arms	75.0	
Internal Connection Type	-	-	DELTA	
Short Circuit Current	I_{sc}	Arms	92.0	
Rotor Inertia	J_r	kg x m ²	0.008	
Ambient Temperature	θ_a	°C	-15 ÷ +40	
Protection Degree	IP		IP 54	up to IP67
Insulation Class	-	-	F	
Thermal protection	-	-	PTY 84-130	Alternative to KTY 84-130

Speed-Torque & Speed Power Motor Curves (*)

SMAC 132-025

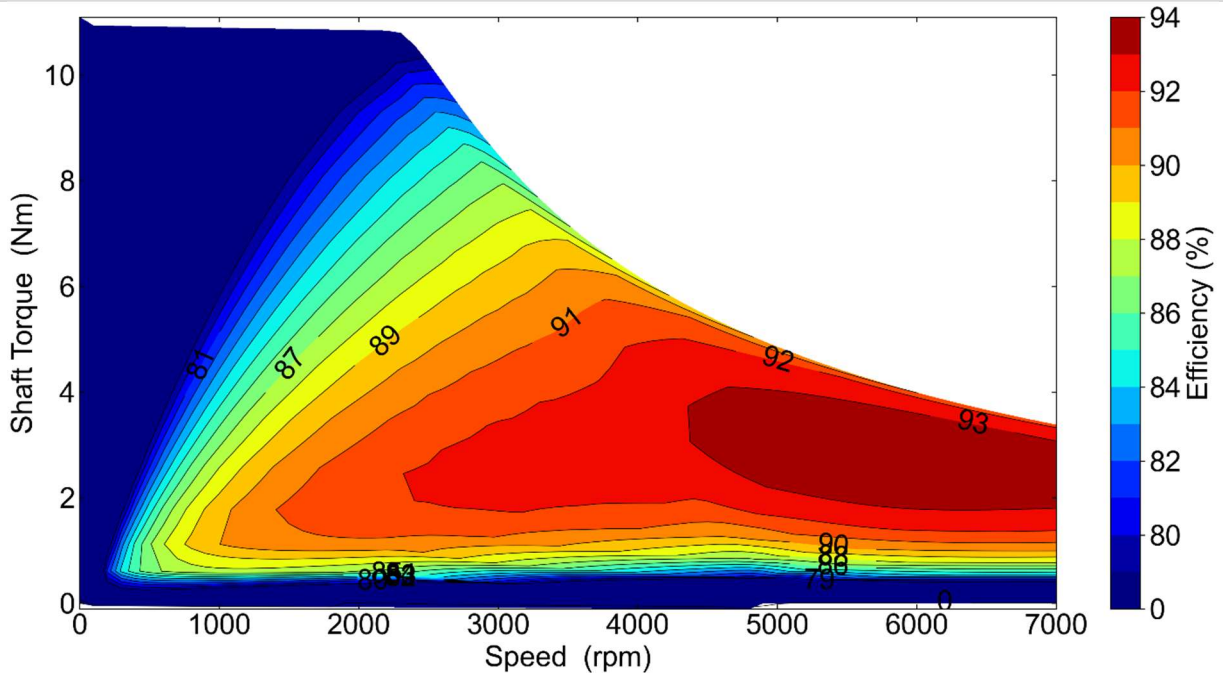


Current Map [Arms] (*)



* MTPA – MTPV Field Weakening strategy control & Optimized Advance Angle

Efficiency Map % (*)



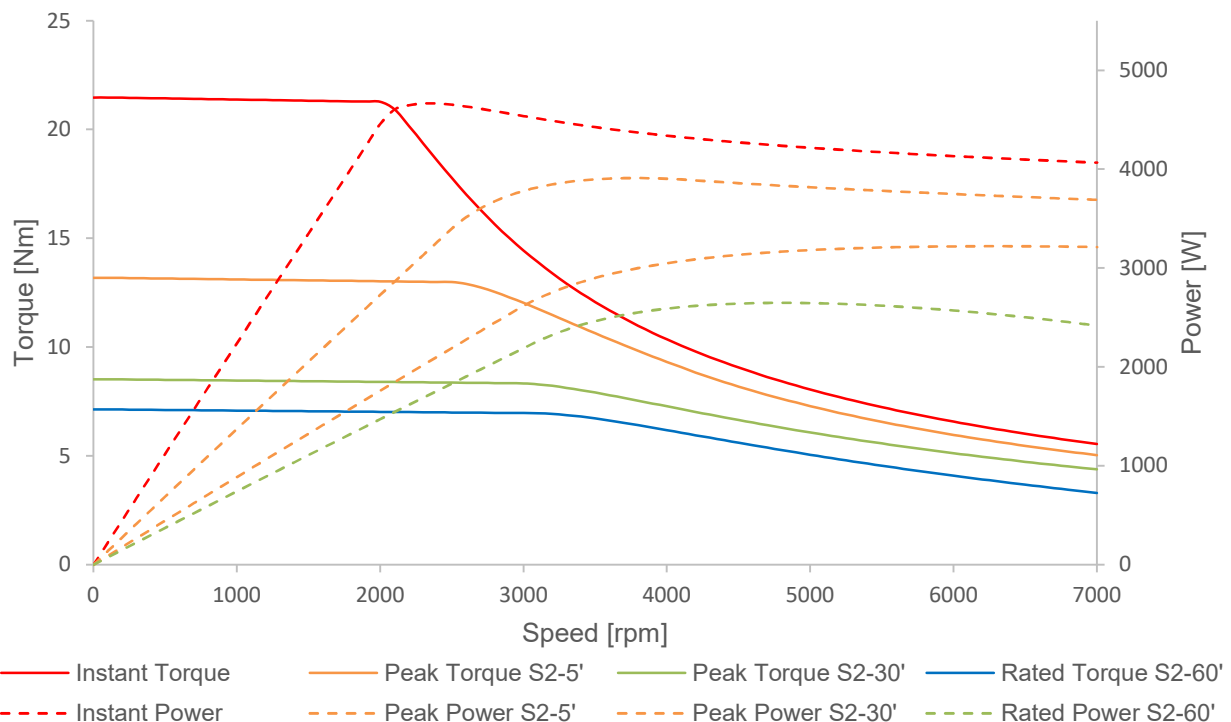
Motor Rated Power	2200W
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Inverter Power Supply	24Vdc
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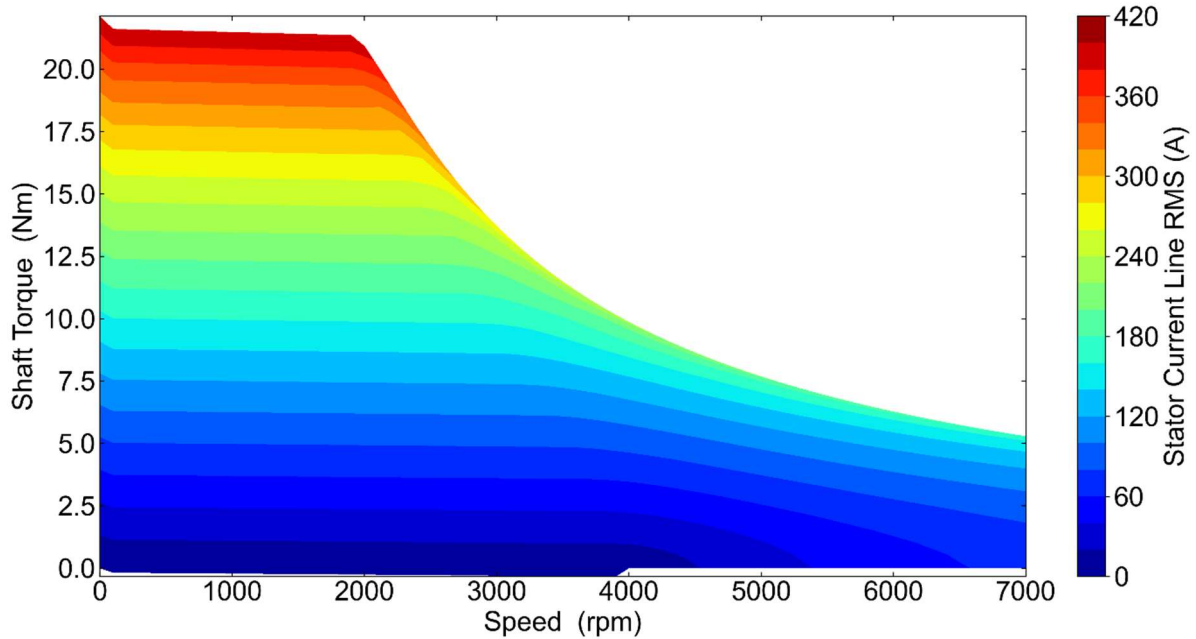
Description	Symbol	Unit	
Duty	-	-	S2-60'
Nominal Speed	n_n	rpm	3000
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)
Voltage Constant	K_e	Vrms/Krpm	4.2
Instant Torque	T_i	Nm	21.0
Instant Current	I_i	Arms	400.0
Peak Torque S2-5'	T_p	Nm	13.5
Peak Current S2-5'	I_p	Arms	205.0
Peak Torque S2-30'	T_r	Nm	9.0
Peak Current S2-30'	I_r	Arms	130.0
Rated Torque S2-60'	T_r	Nm	7.0
Rated Current S2-60'	I_r	Arms	105.0
Internal Connection Type	-	-	DELTA
Short Circuit Current	I_{sc}	Arms	164.0
Rotor Inertia	J_r	kg x m ²	0.007
Ambient Temperature	θ_a	°C	-15 ÷ +40
Protection Degree	IP		IP 54 up to IP67
Insulation Class	-	-	F
Thermal protection	-	-	PTY 84-130 Alternative to KTY 84-130

Speed-Torque & Speed Power Motor Curves (*)

SMAC 132-050

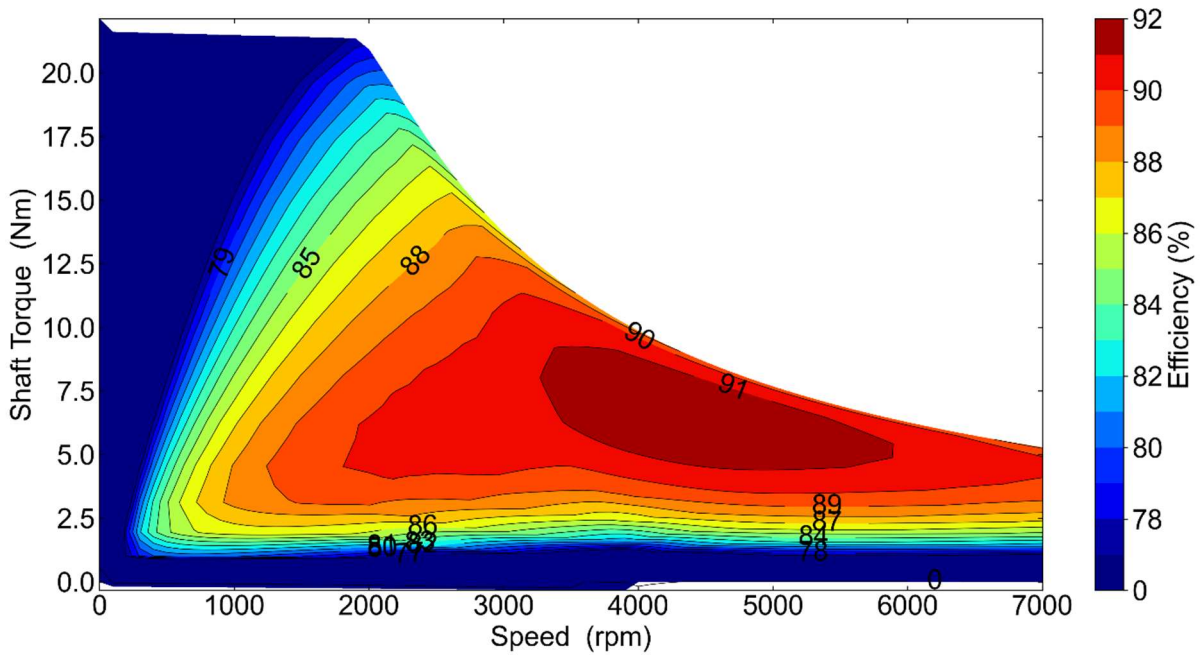


Current Map [Arms] (*)



* MTPA – MTPV Field Weakening strategy control & Optimized Advance Angle

Efficiency Map % (*)



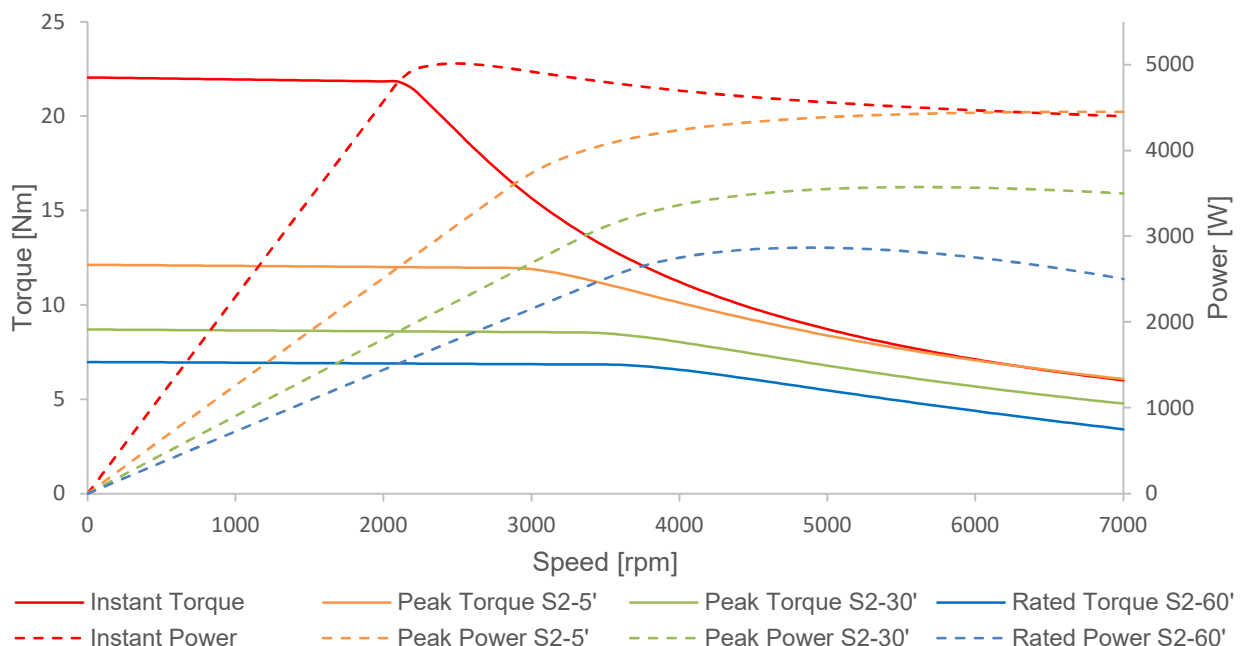
Motor Rated Power **2200W**

Inverter Power Supply **48Vdc**

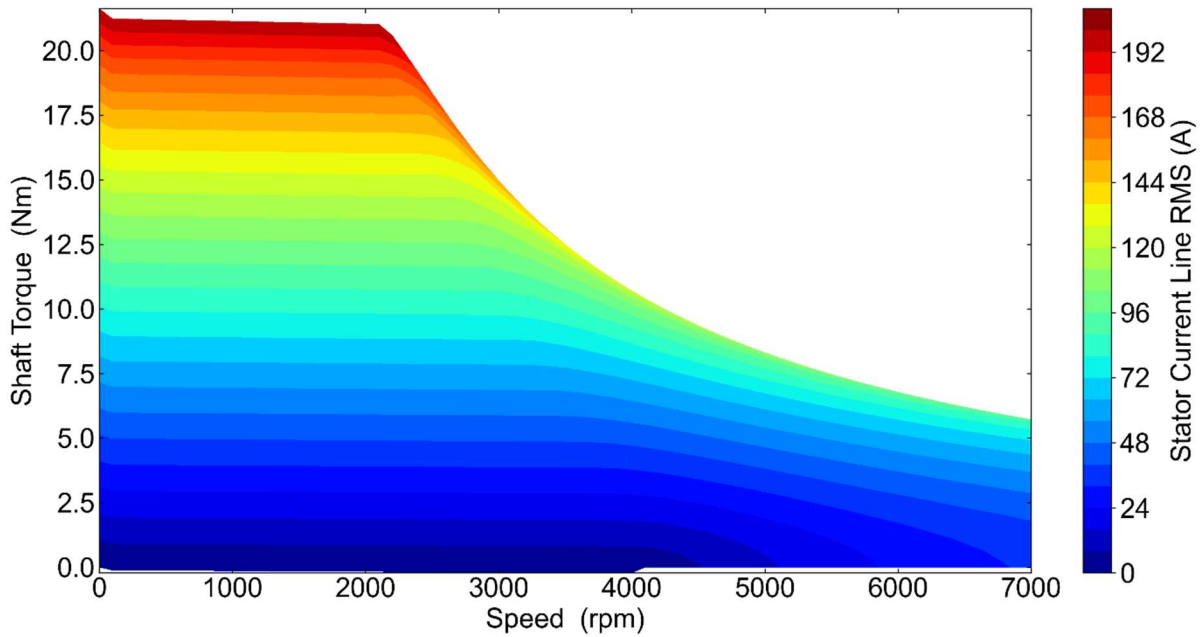
Description	Symbol	Unit		
Duty	-	-	S2-60'	
Nominal Speed	n_n	rpm	3000	
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)	
Voltage Constant	K_e	Vrms/Krpm	8.4	
Instant Torque	T_i	Nm	21.0	
Instant Current	I_i	Arms	200.0	
Peak Torque	T_p	Nm	12.0	S2-5'
Peak Current	I_p	Arms	93.0	S2-5'
Peak Torque	T_r	Nm	8.7	S2-30'
Peak Current	I_r	Arms	65.0	S2-30'
Rated Torque	T_r	Nm	7.0	S2-60'
Rated Current	I_r	Arms	52.0	S2-60'
Internal Connection Type	-	-	DELTA	
Short Circuit Current	I_{sc}	Arms	83.0	
Rotor Inertia	J_r	kg x m ²	0.007	
Ambient Temperature	θ_a	°C	-15 ÷ +40	
Protection Degree	IP		IP 54	up to IP67
Insulation Class	-	-	F	
Thermal protection	-	-	PTY 84-130	Alternative to KTY 84-130

Speed-Torque & Speed Power Motor Curves (*)

SMAC 132-050

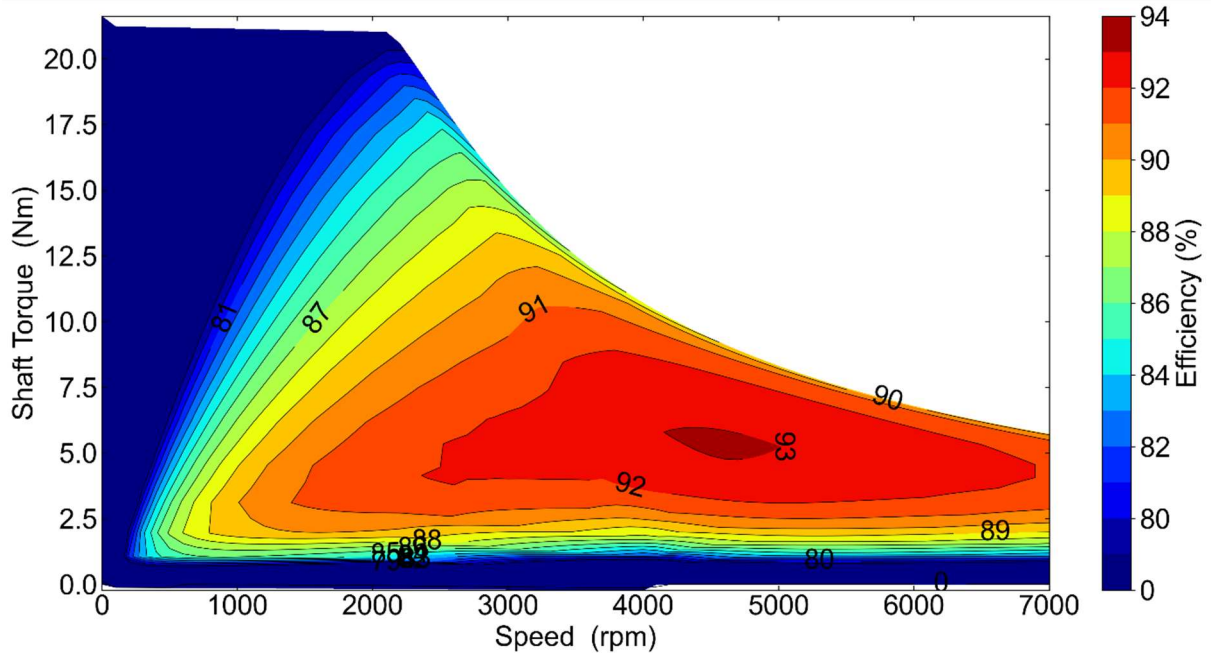


Current Map [Arms] (*)



* MTPA – MTPV Field Weakening strategy control & Optimized Advance Angle

Efficiency Map % (*)



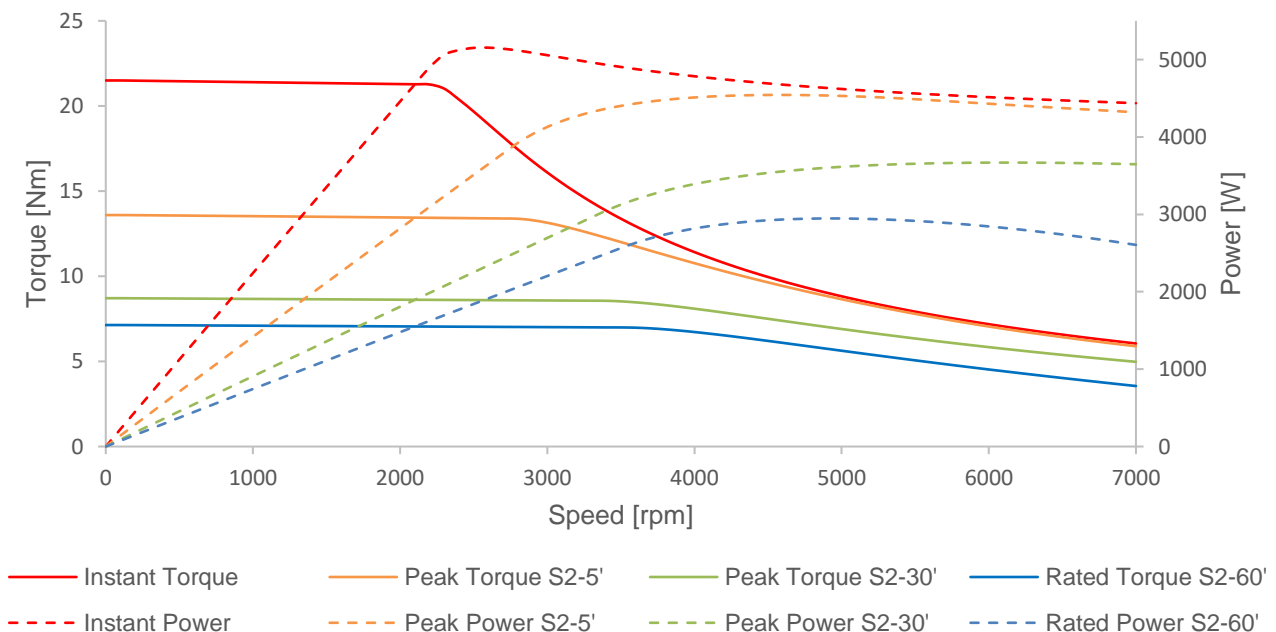
Motor Rated Power	2200W
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Inverter Power Supply	80Vdc
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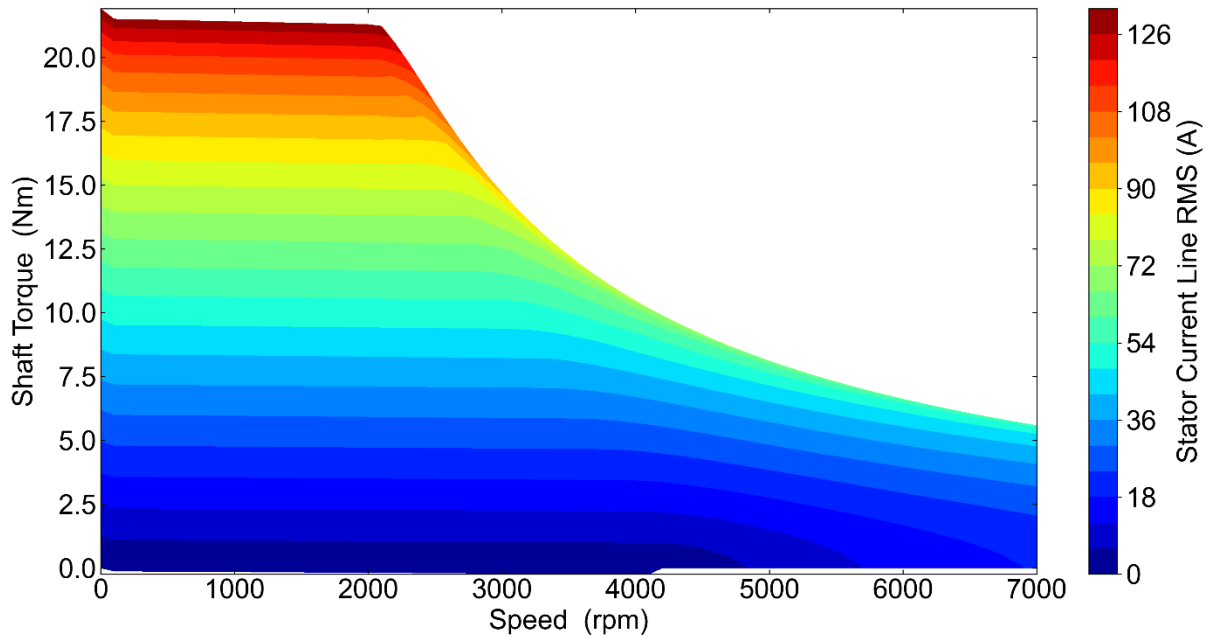
Description	Symbol	Unit		
Duty	-	-	S2-60'	
Nominal Speed	n_n	rpm	3000	
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)	
Voltage Constant	K_e	Vrms/Krpm	13.7	
Instant Torque	T_i	Nm	21.0	
Instant Current	I_i	Arms	130.0	
Peak Torque S2-5'	T_p	Nm	13.5	
Peak Current S2-5'	I_p	Arms	65.0	
Peak Torque S2-30'	T_r	Nm	9.0	
Peak Current S2-30'	I_r	Arms	40.0	
Rated Torque S2-60'	T_r	Nm	7.0	
Rated Current S2-60'	I_r	Arms	32.0	
Connection Type	-	-	DELTA	
Short Circuit Current	I_{sc}	Arms	50.0	
Rotor Inertia	J_r	kg x m ²	0.007	
Ambient Temperature	θ_a	°C	-15 ÷ +40	
Protection Degree	IP		IP 54	up to IP67
Insulation Class	-	-	F	
Thermal protection	-	-	PTY 84-130	Alternative to KTY 84-130

Speed-Torque & Speed Power Motor Curves (*)

SMAC 132-050

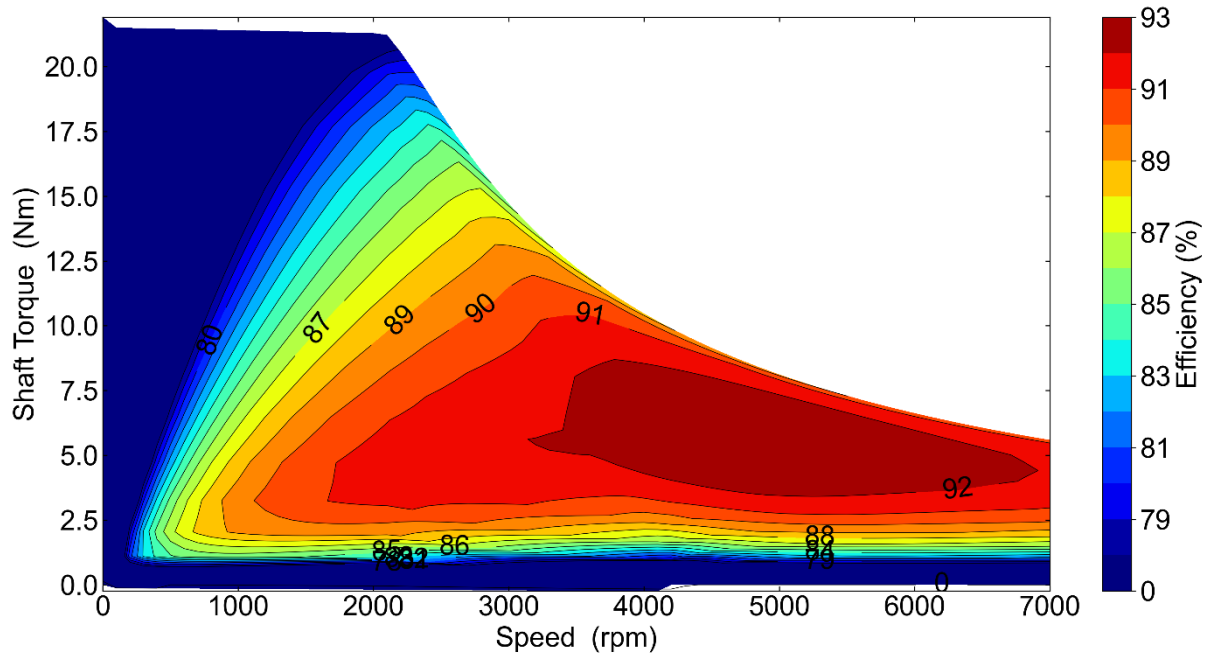


Current Map [Arms] (*)



* MTPA – MTPV Field Weakening strategy control & Optimized Advance Angle
(Ref. Simulation temperature 20.0°C)

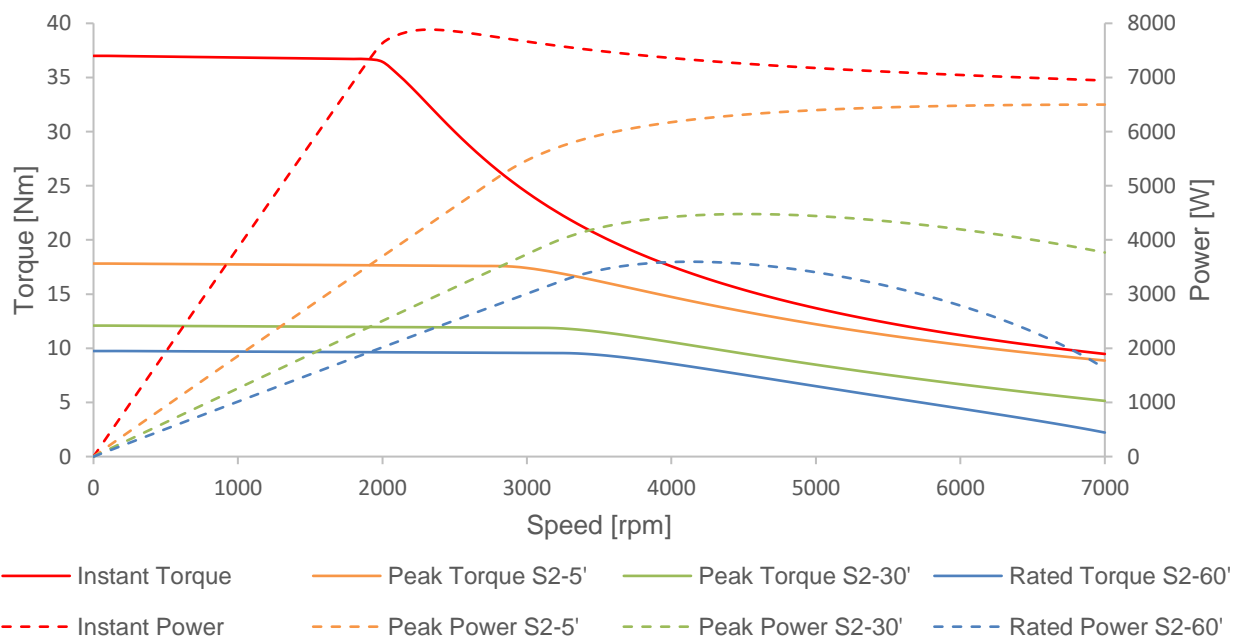
Efficiency Map % (*)



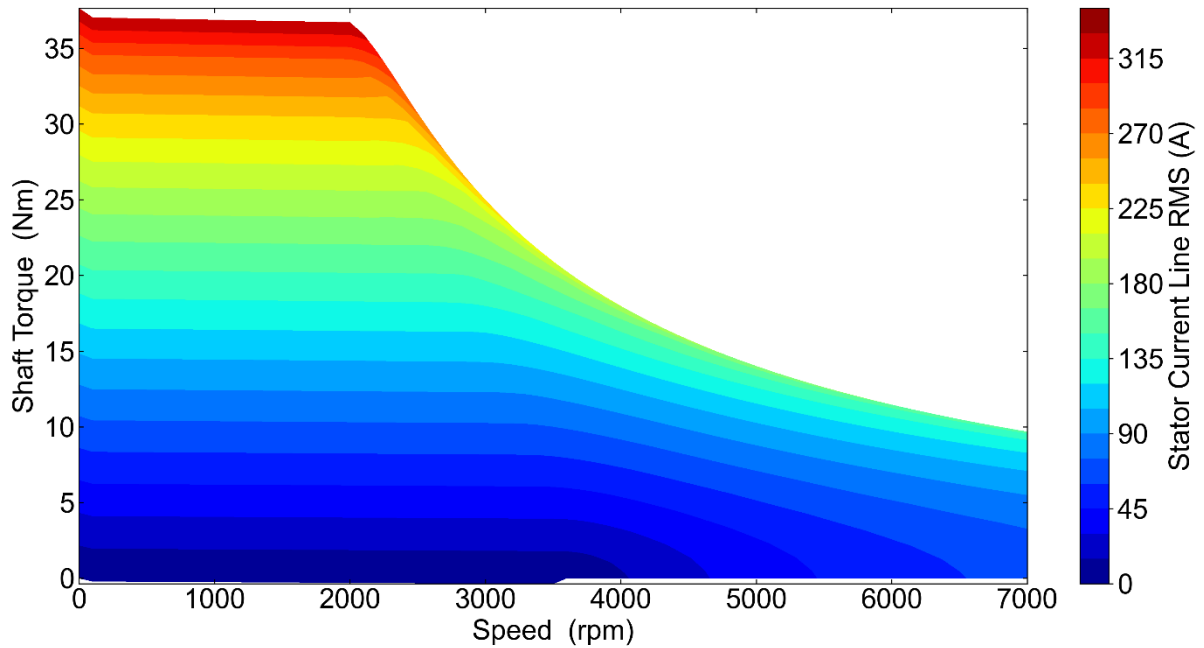
Motor Rated Power			3000W
Inverter Power Supply			48Vdc
Description	Symbol	Unit	
Duty	-	-	S2-60'
Nominal Speed	n_n	rpm	3000
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)
Voltage Constant	K_e	Vrms/Krpm	8.7
Instant Torque	T_i	Nm	36.0
Instant Current	I_i	Arms	330.0
Peak Torque S2-5'	T_p	Nm	18.0
Peak Current S2-5'	I_p	Arms	130.0
Peak Torque S2-30'	T_r	Nm	12.0
Peak Current S2-30'	I_r	Arms	87.0
Rated Torque S2-60'	T_r	Nm	9.5
Rated Current S2-60'	I_r	Arms	70.0
Internal Connection Type	-	-	DELTA
Short Circuit Current	I_{sc}	Arms	140.0
Rotor Inertia	J_r	kg x m ²	0.004
Ambient Temperature	θ_a	°C	-15 ÷ +40
Protection Degree	IP		IP 54 up to IP67
Insulation Class	-	-	F
Thermal protection	-	-	PTY 84-130 Alternative to KTY 84-130

Speed-Torque & Speed Power Motor Curves (*)

SMAC 132-075



Current Map [Arms] (*)



* MTPA – MTPV Field Weakening strategy control & Optimized Advance Angle

Efficiency Map % (*)

