

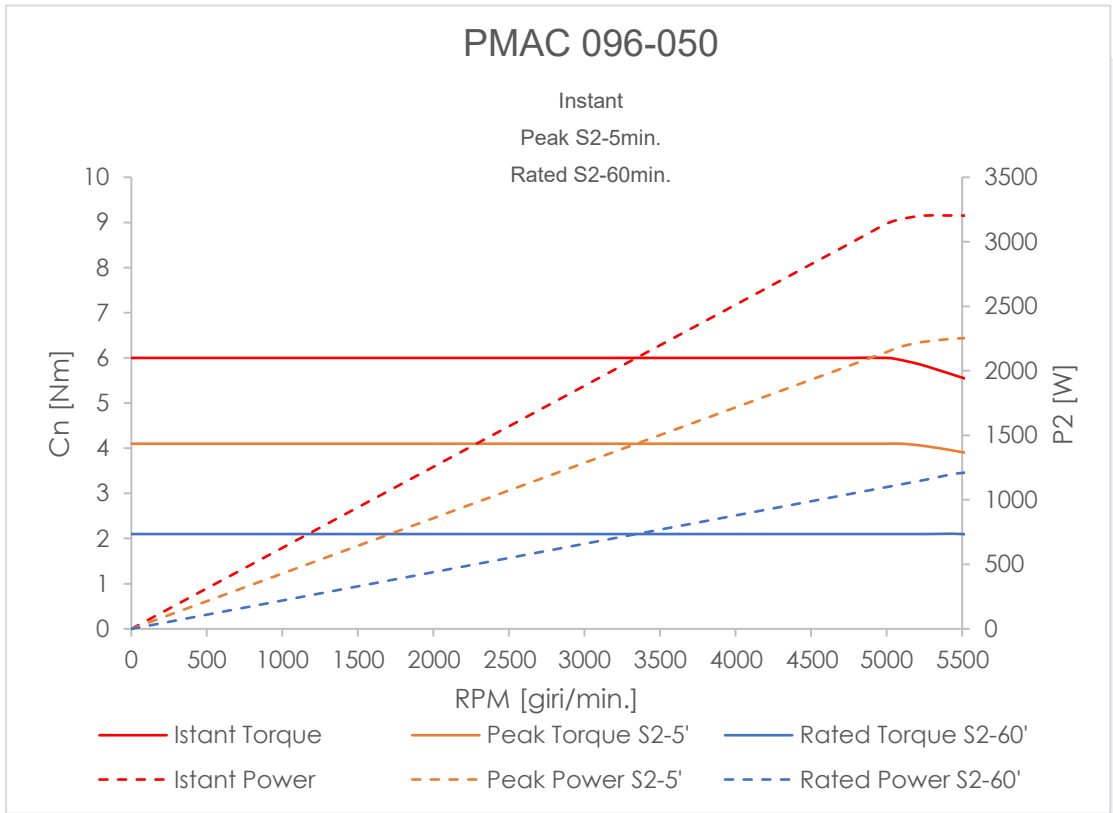
PMAC 096-050 018

Motor Rated Power			1000W	
Inverter Power Supply			24Vdc	

Description	Symbol	Unit		
<i>Duty</i>	-	-	S2-60min	
<i>Nominal Speed</i>	n_n	<i>rpm</i>	5000	
<i>Frequency (N° poles)</i>	$f (2p)$	<i>Hz</i>	250.0 (6)	
<i>Maximum speed</i>	n_{MAX}	<i>rpm</i>	5500	
<i>Constant Voltage</i>	K_e	<i>Vrms/Krpm</i>	3.0	
<i>Constant Torque</i>	K_t	<i>Nm/Arms</i>	0.04	
<i>Instant Torque</i>	T_{inst}	<i>Nm</i>	6.0	
<i>Instant Current</i>	i_{inst}	<i>Arms</i>	120.0	
<i>Peak Torque S2-5min.</i>	T_{peak}	<i>Nm</i>	4.1	
<i>Peak Current S2-5min.</i>	i_{peak}	<i>Arms</i>	80.0	
<i>Nominal Torque S2-60min.</i>	T_n	<i>Nm</i>	2.1	
<i>Nominal Current S2-60min.</i>	I_n	<i>Arms</i>	40.0	
<i>Rotor Inertia</i>	J_r	<i>kg x m²</i>	1.5×10^{-3}	
<i>Ambient Temperature</i>	θ_a	<i>°C</i>	-15 ÷ +40	
<i>Protection Degree</i>	<i>IP</i>		IP 54	up to IP67
<i>Insulation Class</i>	-	-	F	
<i>Thermal protection</i>	-	-	KTY 84-130	
<i>Motor Weight</i>	M	<i>kg</i>	2.5	

PRELIMINARY

Speed-Torque & Speed Power Motor Curves



Efficiency Map

