

ME1905 Air-Cooled IPM Motor



KEY FEATURES

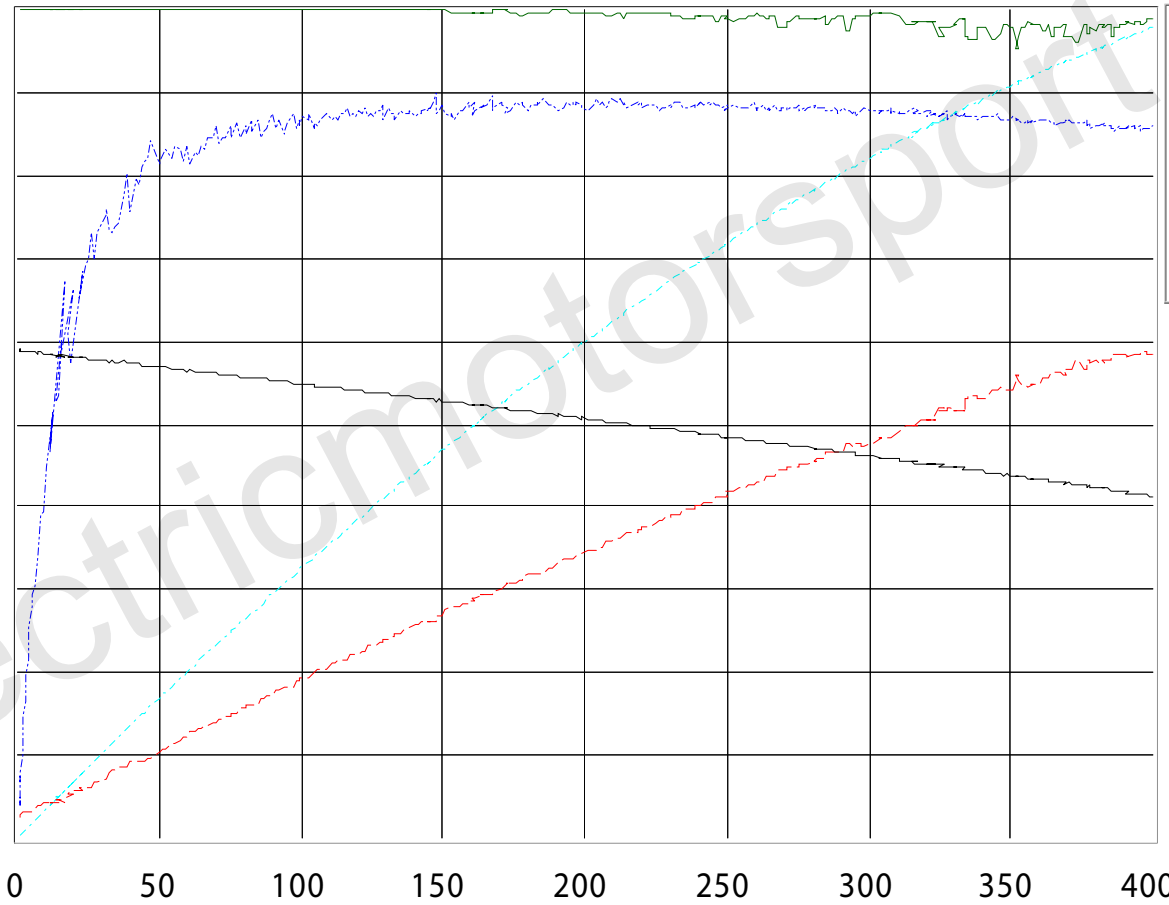
- **Internal Permanent Magnet Synchronous Motor**
- **Fully enclosed**
- **Air-cooled**
- **Low Cogging**
- **High Torque**

Specifications

	Nominal	Maximum	
Power	18	47	kW
Voltage	48 - 120	120	V
Torque	44	134	Nm
Speed	4500	8000	rpm
Phase Current	220	550	A
Rotor temperature	80	140	°C
Power factor (cos φ)	0.78		
Maximal efficiency		>92	%
Weight	21.4		kg
Rotor moment of inertia	0.00911		kg*m ²
Protection category	IP65		
Ambient temperature	24	- 20 to +50	°C

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Eff.	Watts	Volts	Amps	RPM
1.00	10000	100	200	5000
0.90	9000	90	180	4500
0.80	8000	80	160	4000
0.70	7000	70	140	3500
0.60	6000	60	120	3000
0.50	5000	50	100	2500
0.40	4000	40	80	2000
0.30	3000	30	60	1500
0.20	2000	20	40	1000
0.10	1000	10	20	500
0.00	0	0	0	0



RPM	
Amps	
Volts	
Watts Out	
Eff.	

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