



ME1004

Permanent Magnet, brushed DC Motor with Neodymium Iron Boron Magnets.
The 1" shaft is similar to the shaft on most Lawn and Garden Tractor engines.
This motor is perfect for an engine replacement on a Lawn and Garden tractor when converting the tractor to electric propulsion.
Capable of 200 amps continuous, and 400 amps for 30 seconds. The peak efficiency is 88%.

NOTES:

- 1.CCW
- 2.Front bearing: NTN6006 LLUC3/5K (Made in Japan)
- 3.Product to be shipped in plain white box, styrofoam packaging
Include Dyno Plot in box.
- 4.Box to be marked:
Part Number: ME1004
Made in China

ME1004

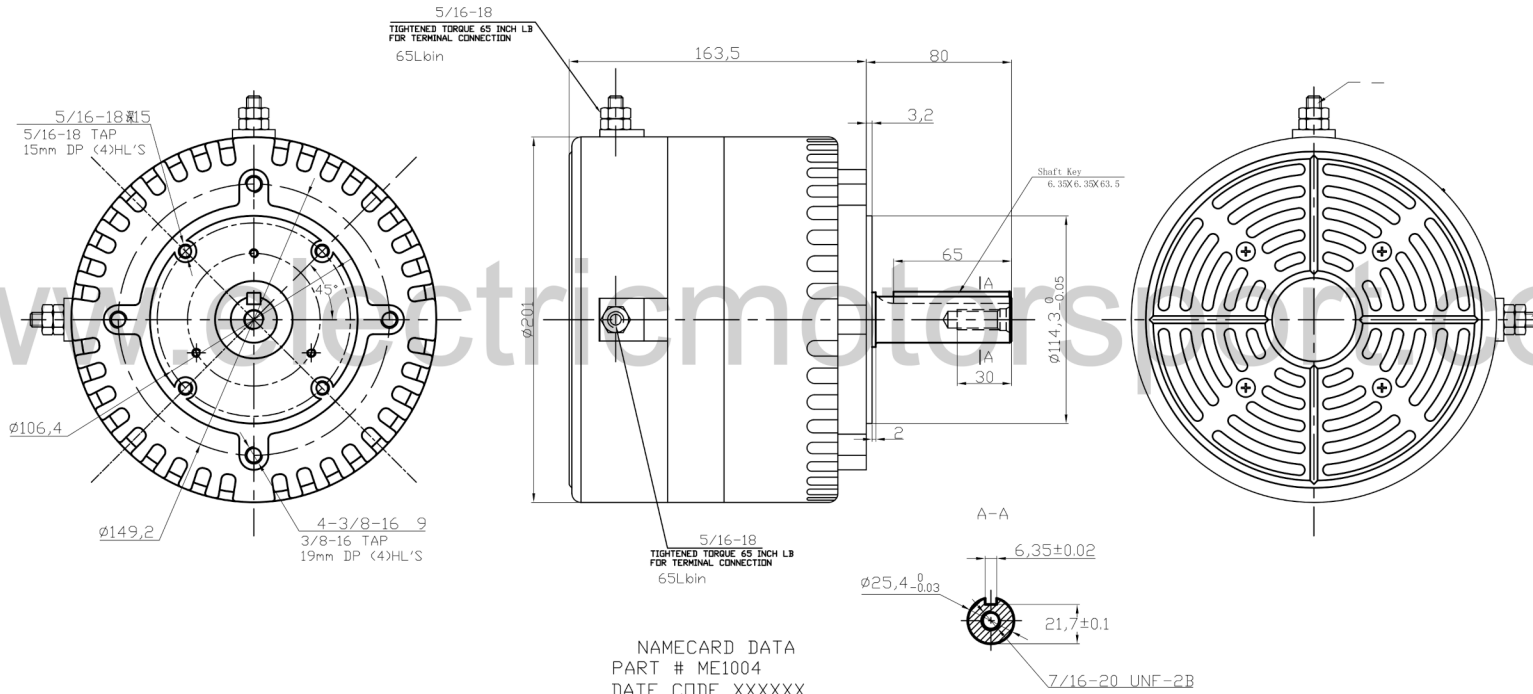
B

A

5

A

B



MODEL	(W) POWER(W)	(V.DC) VOLTAGE(V.DC)	(LB-IN) TORQUE (LB-IN)	(RPM) LOADED SPEED(RPM)	(RPM) NO LOAD SPEED(RPM)	(A) CURRENT (A)
ME1004	8000	48	218	3100 ³⁵⁰ / ₂₀₀	appr. 3700	≥200

REV	CHANGES	BY	ECO NO.	DATE	DO NOT SCALE DRAWING THIS DRAWING IS PROPRIETARY PROPERTY OF MARS ELECTRIC LLC CORPORATION DISCLOSED IN CONFIDENCE WHICH MAY NOT BE USED OR DISCLOSED WITHOUT PERMISSION. RETURN PROMPTLY AFTER USE.	DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1994	MATERIAL	TITLE	DESIGN VENDOR
-	-	-	-	-	-	-	-	OUTLINE	MLWAUKEE, WISCONSIN, U.S.A.
-	-	-	-	-	-	-	-	DRAWN: lxp 10.04.25	-
-	-	-	-	-	-	-	-	APPR:	-
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-	-	-	-	-	-	-	-	MODEL NO:	-
-	-	-	-	-	-	-	-	DESIGN VENDOR:	0JW1.301.355
-	-	-	-	-	-	-	-	REVISION:	1/1

4

3

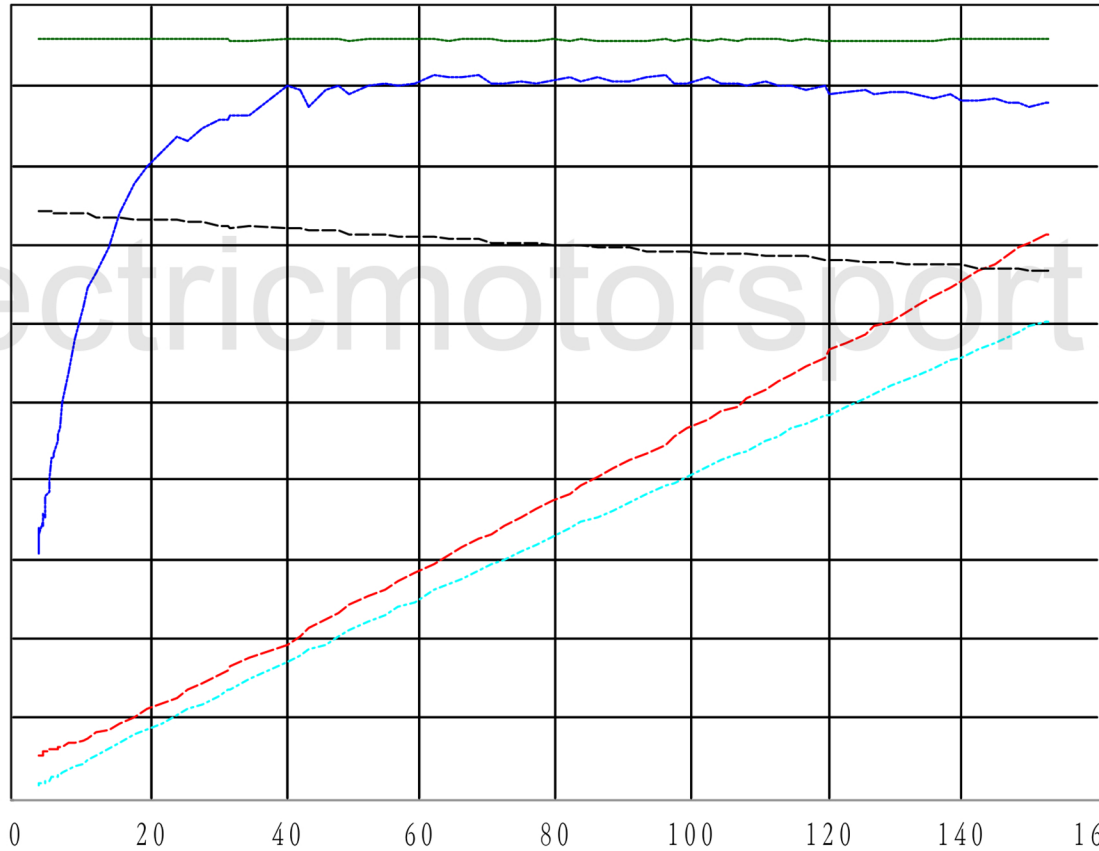
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1

REV SHEET
- 1/1

ME1004 0025-CW 10.07.20

Eff.	Watts	Volts	Amps	RPM
1.00-	10000-	50-	200-	5000-
0.90-	9000-	45-	180-	4500-
0.80-	8000-	40-	160-	4000-
0.70-	7000-	35-	140-	3500-
0.60-	6000-	30-	120-	3000-
0.50-	5000-	25-	100-	2500-
0.40-	4000-	20-	80-	2000-
0.30-	3000-	15-	60-	1500-
0.20-	2000-	10-	40-	1000-
0.10-	1000-	5-	20-	500-
0.00-	0-	0-	0-	0-



RPM	
Amps	
Volts	
Watts Out	
Eff.	

in-lb