



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00056A2TBR

Serie: NEMA Elite

Issued Date	11/14/2022	Doc. #	390-R0
Issued By	LD	Issued Rev	0

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5.00	3.70	6	1160	215T	230/460	60	3	13.8/6.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	89.5	B	J	40 C

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	5.00	3.70	6.9	89.6	78.2
¾ Load	3.75	2.80	5.3	89.7	73.2
½ Load	2.50	1.90	4.3	88.2	63.0
¼ Load	1.25	0.90	3.6	80.9	39.7
No Load			3.1		5.5
Locked Rotor			45.5		45.6

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
22.60	185.0	175.0	330.0	1.32

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
35 / 15	-	6308ZC3	6308ZC3	176

*Bearings are the only recommended spare part(s).

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00056A2TBR
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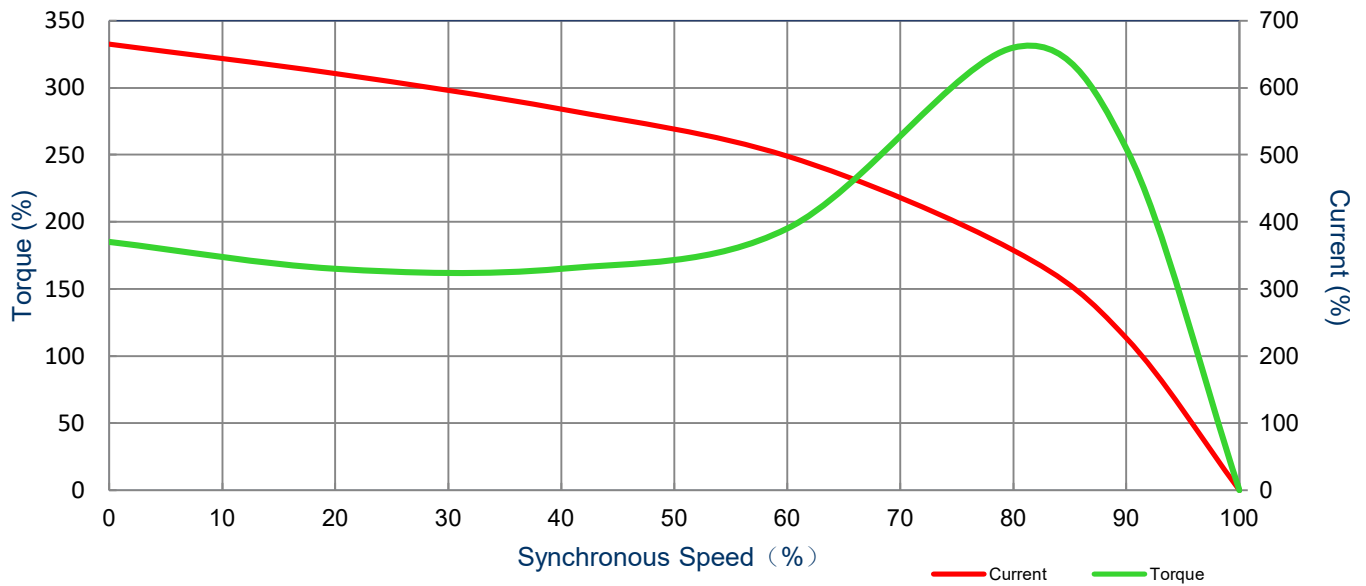
SPEED TORQUE/CURRENT CURVE

Model: MNET00056A2TBR

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5.00	3.70	6	1160	215T	230/460	60	3	13.8/6.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	89.5	B	J	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
45.5	1.32	22.6	185.0	175.0	330.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5.00	3.70	6	955	215T	190/380	50	3	18.0/9.0
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	85.5	B	J	40 C

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	5.00	3.70	9.0	89.7	69.5
¾ Load	3.75	2.80	6.1	90	65.3
½ Load	2.50	1.90	4.7	88.8	56.2
¼ Load	1.25	0.90	3.7	82.6	46
No Load			3.0		5.7
Locked Rotor			55.0		59

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
27.50	190.0	175.0	230.0	1.32

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
30 / 20	-	6308ZZC3	6308ZZC3	176

*Bearings are the only recommended spare part(s).

Included Accessories:

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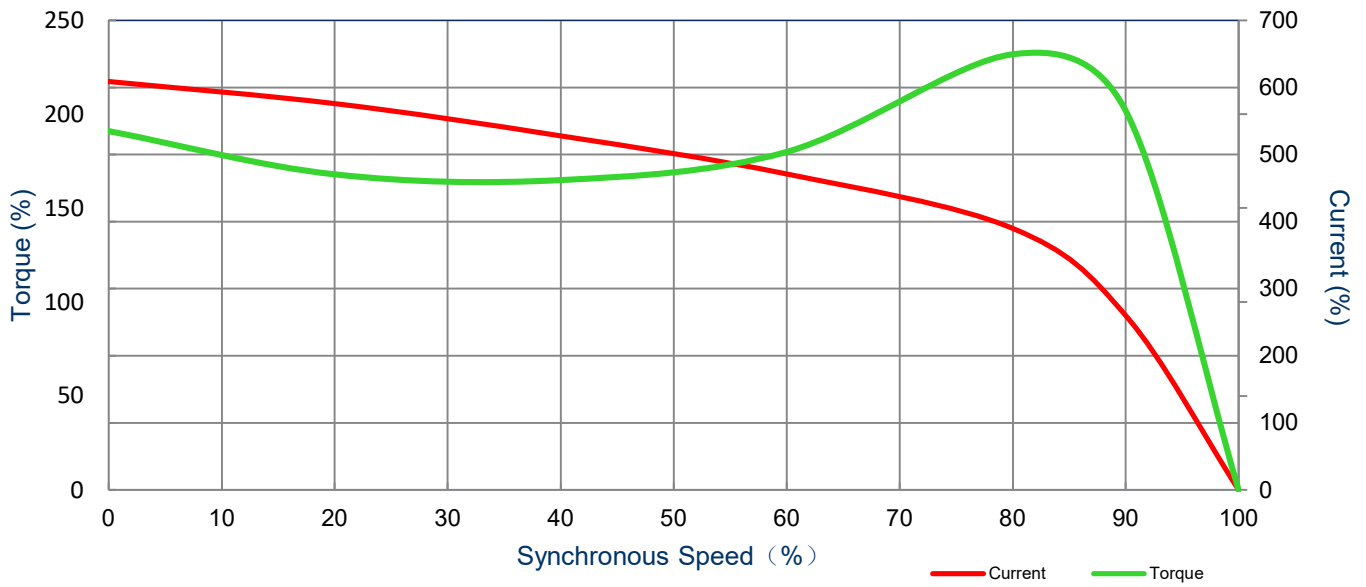
SPEED TORQUE/CURRENT CURVE

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5.00	3.7	6	955	215T	190/380	50	3	18.0/9.0
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	85.5	B	J	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
		55.0	190.0	175.0	230.0			



All characteristics are average expected values.

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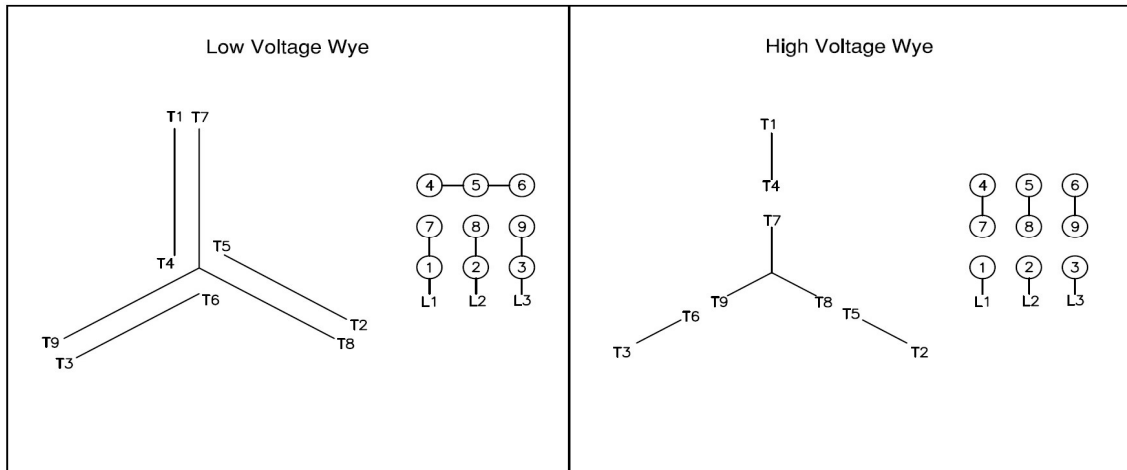
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Motor Connection Diagram

Model: MNET00056A2TBR

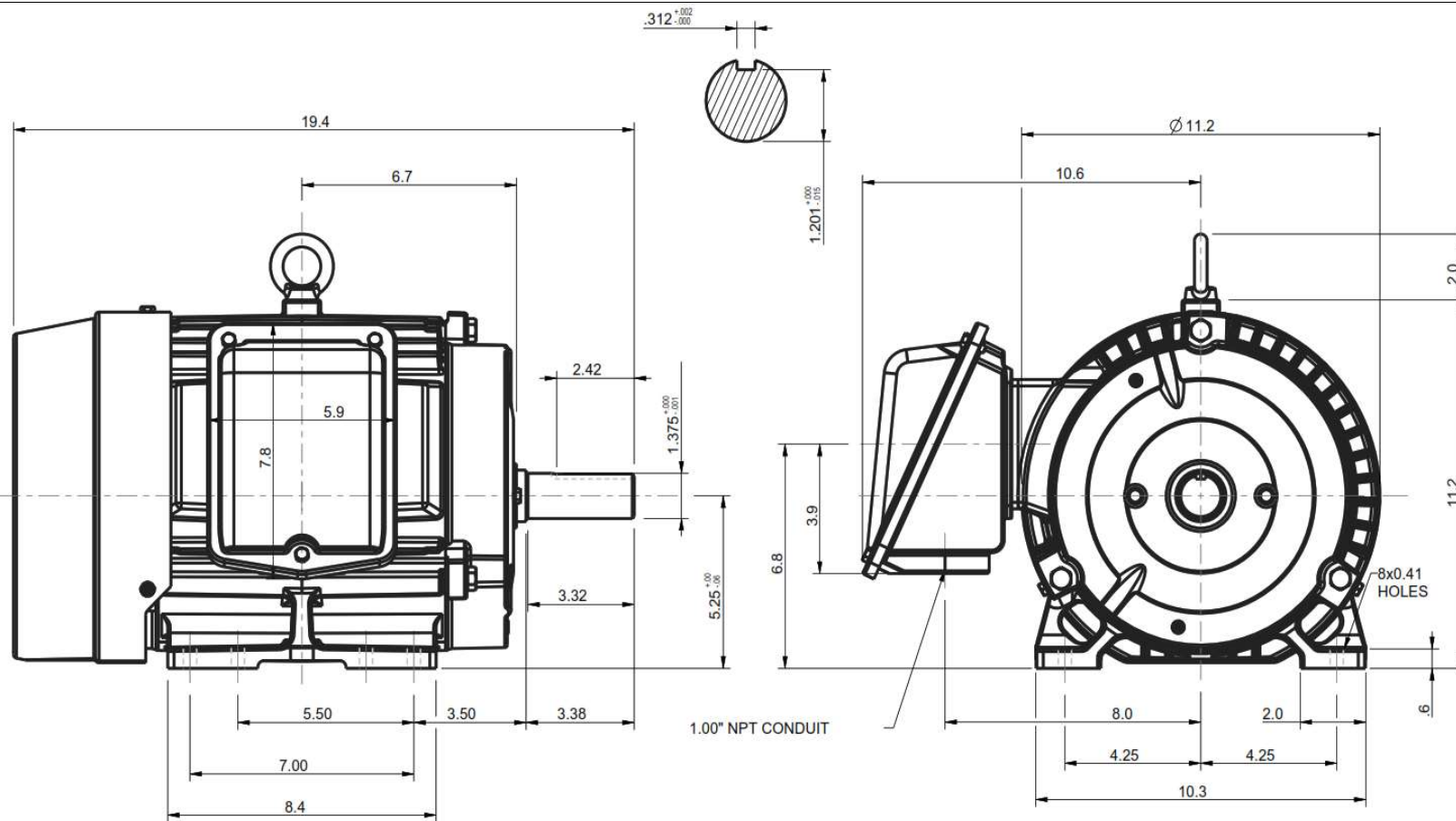
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9 Leads Connection Diagram



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ROTATION FROM NDE			1. MAIN CONDUIT BOX MAY BE ROTATED IN 90 DEGREE INCREMENTS			
CCW	CW		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.			
X						
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DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED			X	CERTIFIED		
		TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR	Drawing #:		MNET00056A2TBR	
			Rev. Date:	11/14/2022	Rev. #:	0
			Standard:	NEMA	Mount.:	F1
			Frame	213T-215T	Per.:	LD