



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00014A2TBR

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
1.00	0.75	4	1760	143T	230/460	60	3	3.2/1.6
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	85.5	B	M	40 C

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.00	0.75	1.6	86.1	67.5
¾ Load	0.75	0.60	1.4	84.3	58.9
½ Load	0.50	0.40	1.2	79.5	46.4
¼ Load	0.25	0.20	1.1	66.5	29.9
No Load			1.1		7.9
Locked Rotor			13.8		65.7

Torque				Rotor Inertia
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(lb-ft²)
2.98	340.0	295.0	490.0	0.11

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
35 / 15	-	6305ZZC3	6305ZZC3	58

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00014A2TBR
Engr. Date		Doc. Approved By		Doc. Issued	



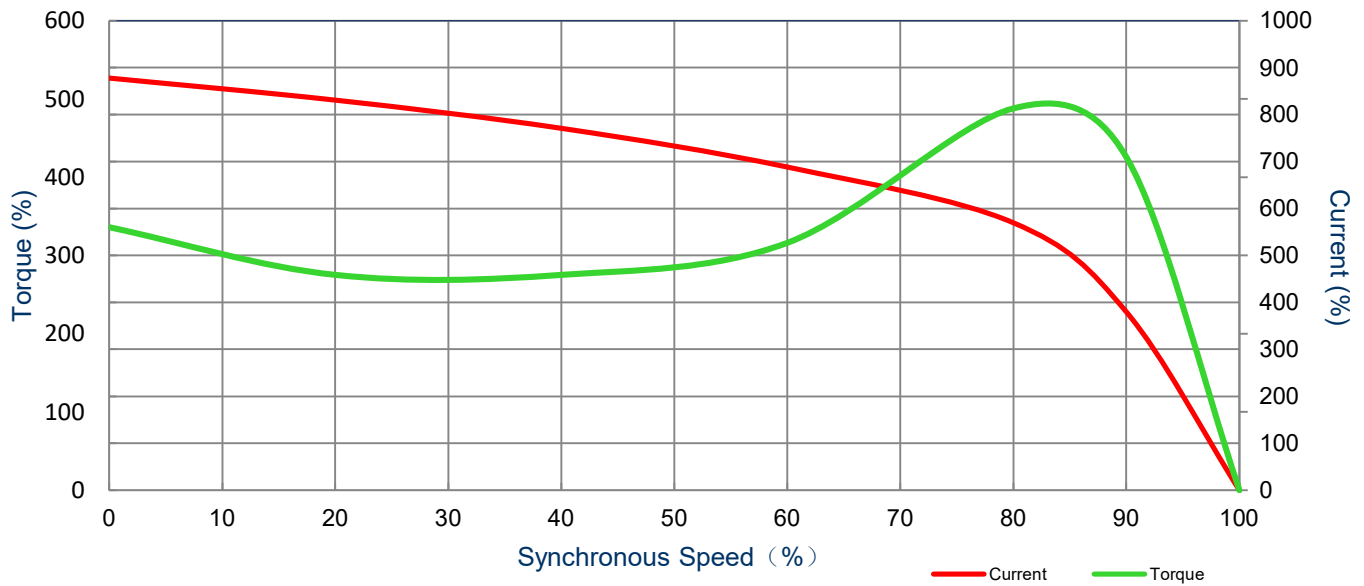
SPEED TORQUE/CURRENT CURVE

Model: MNET00014A2TBR

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Issued Date	11/14/2022	Doc. #	390-R0
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.00	0.75	4	1760	143T	230/460	60	3	3.2/1.6
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	85.5	B	M	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
13.8	0.11	2.98	340.0	295.0	490.0			



All characteristics are average expected values.

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.00	0.75	4	1450	143T	190/380	50	3	3.6/1.8
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	84.0	B	N	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.00	0.75	1.8	86.1	68.5
¾ Load	0.75	0.60	1.5	85.3	60.4
½ Load	0.50	0.40	1.2	84.2	48.0
¼ Load	0.25	0.20	0.9	71.8	40.3
No Load			1.0		8.1
Locked Rotor			18.0		85.2

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
3.62	275.0	235.0	320.0	0.11

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
26 / 21	-	6305ZZC3	6305ZZC3	58

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

Included Accessories:

All characteristics are average expected values.

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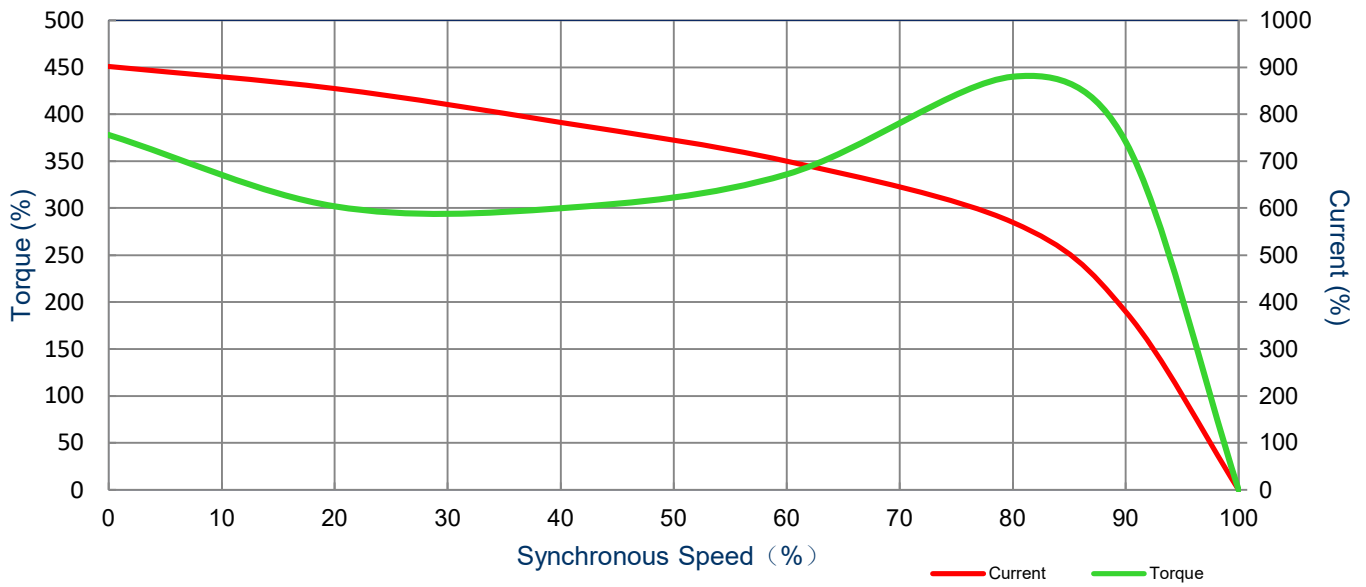
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.00	0.75	4	1450	143T	190/380	50	3	3.6/1.8
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	84.0	B	N	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
18.0	0.11	3.62	275.0	235.0	320.0			



All characteristics are average expected values.

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Engr. Date	Doc. Approved By	Doc. Issued	

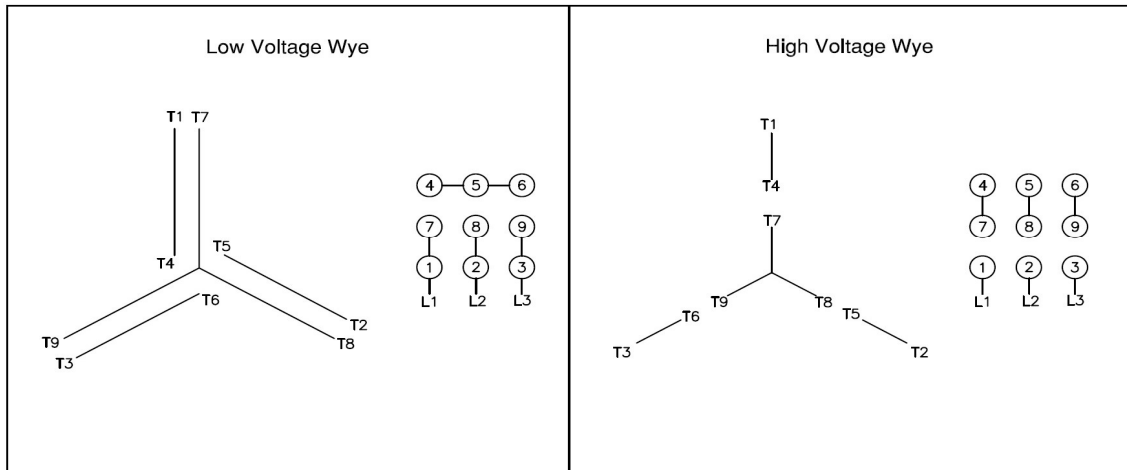
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Motor Connection Diagram

Model: MNET00014A2TBR

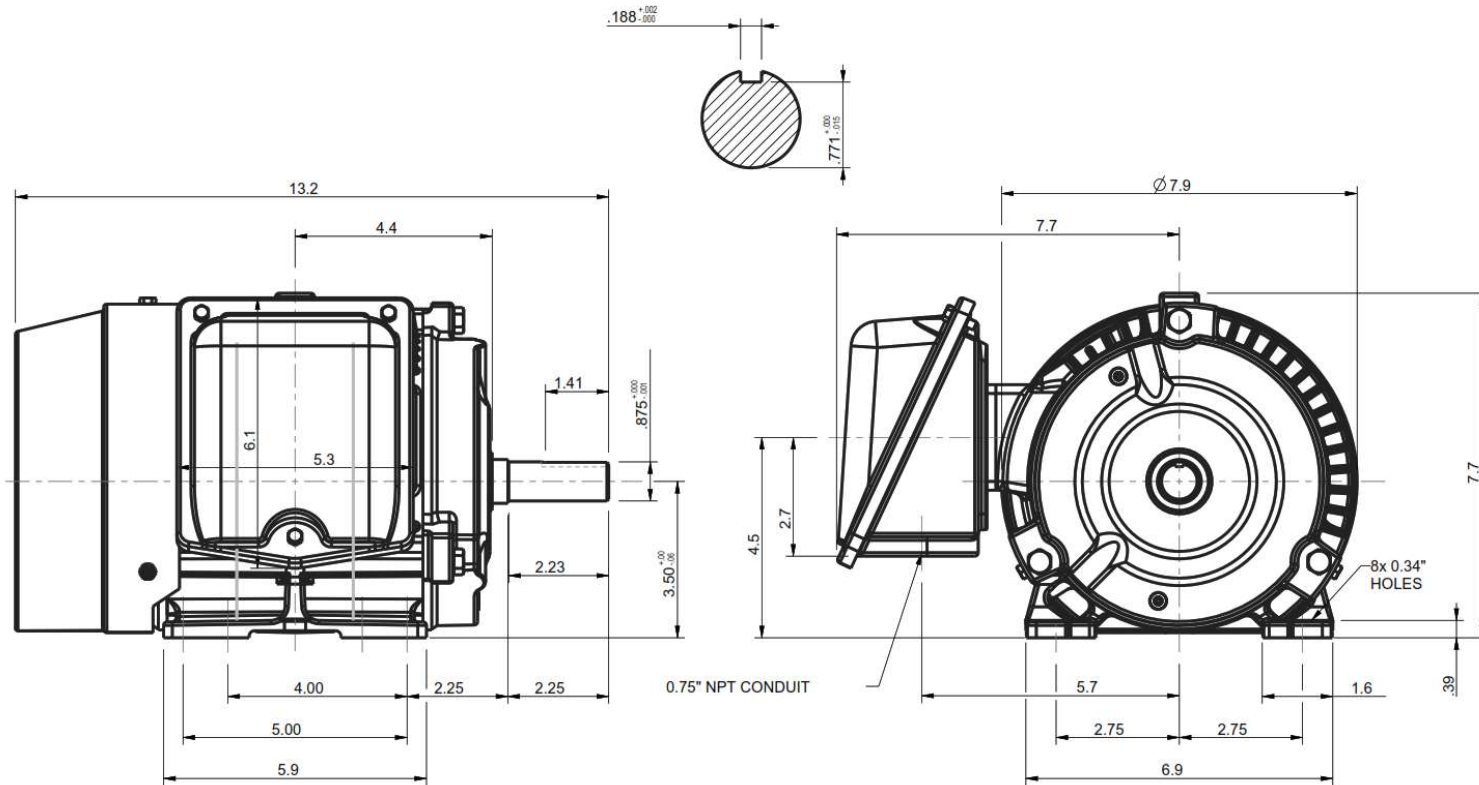
Serie: NEMA Elite




9 Leads Connection Diagram



All characteristics are average expected values.

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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 #: MNET00014A2TBR	
			Rev. Date: 11/14/2022	Rev. #: 0
			Standard: NEMA	Mount.: F1
			Frame 143T	Per.: LD