



## TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00254A2TBR

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
25.00	18.50	4	1770	284T	230/460	60	3	62/31
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	93.6	B	G	40 C

\* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	25.00	18.50	31.0	93.8	83.5
¾ Load	18.75	14.00	23.8	93.1	80.5
½ Load	12.50	9.30	18.3	91.4	73.0
¼ Load	6.25	4.70	14.1	84.0	49.3
No Load			11.0		5.6
Locked Rotor			182.0		34.3

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
74.20	190.0	165.0	295.0	5.23

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
35 / 15	-	6310ZC3	6310ZC3	492

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00254A2TBR
Engr. Date		Doc. Approved By		Doc. Issued	



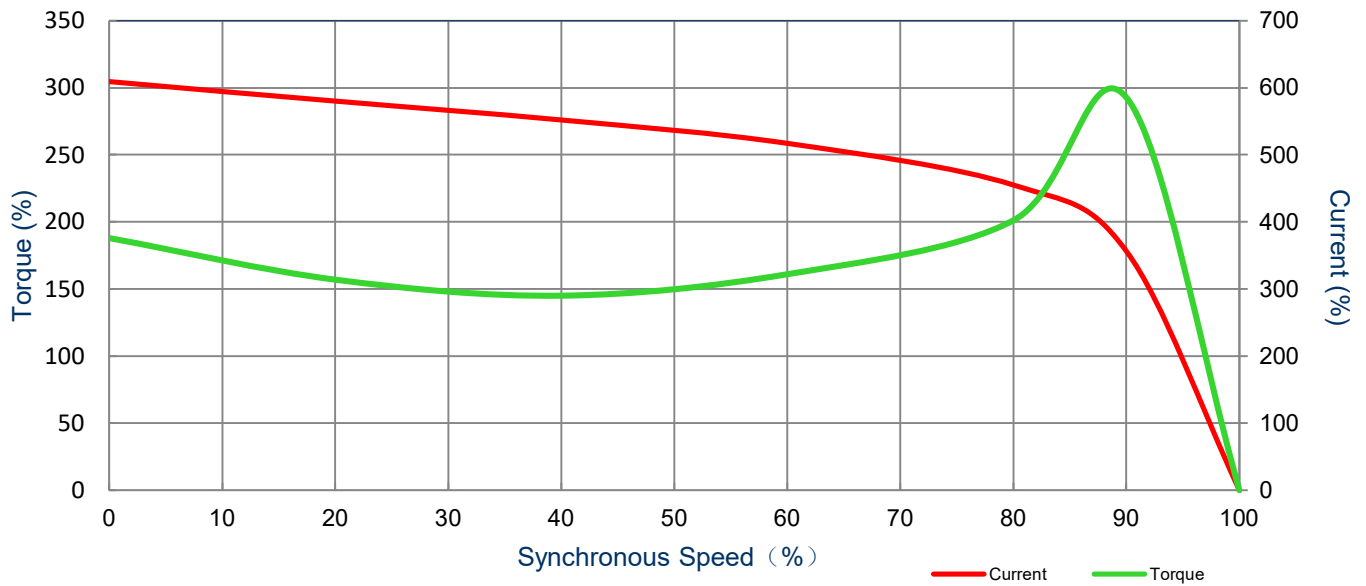
## SPEED TORQUE/CURRENT CURVE

Model: MNET00254A2TBR

Serie: NEMA Elite

<b>Issued Date</b>	11/14/2022	<b>Doc. #</b>	390-R0
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25.00	18.50	4	1770	284T	230/460	60	3	62/31
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	93.6	B	G	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft <sup>2</sup> )	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
182.0	5.23	74.2	190.0	165.0	295.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25.00	18.50	4	1460	284T	190/380	50	3	72/36
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	91.7	B	G	40 C

\* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	25.00	18.50	36.0	93.8	83.8
¾ Load	18.75	14.00	27.7	94.4	80.9
½ Load	12.50	9.30	20.0	94.2	73.4
¼ Load	6.25	4.70	13.7	85.3	60.5
No Load			10.8		5.1
Locked Rotor			215.0		35

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
89.90	150.0	135.0	230.0	5.23

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
26 / 13	-	6310ZC3	6310ZC3	492

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

**Included Accessories:**

All characteristics are average expected values.

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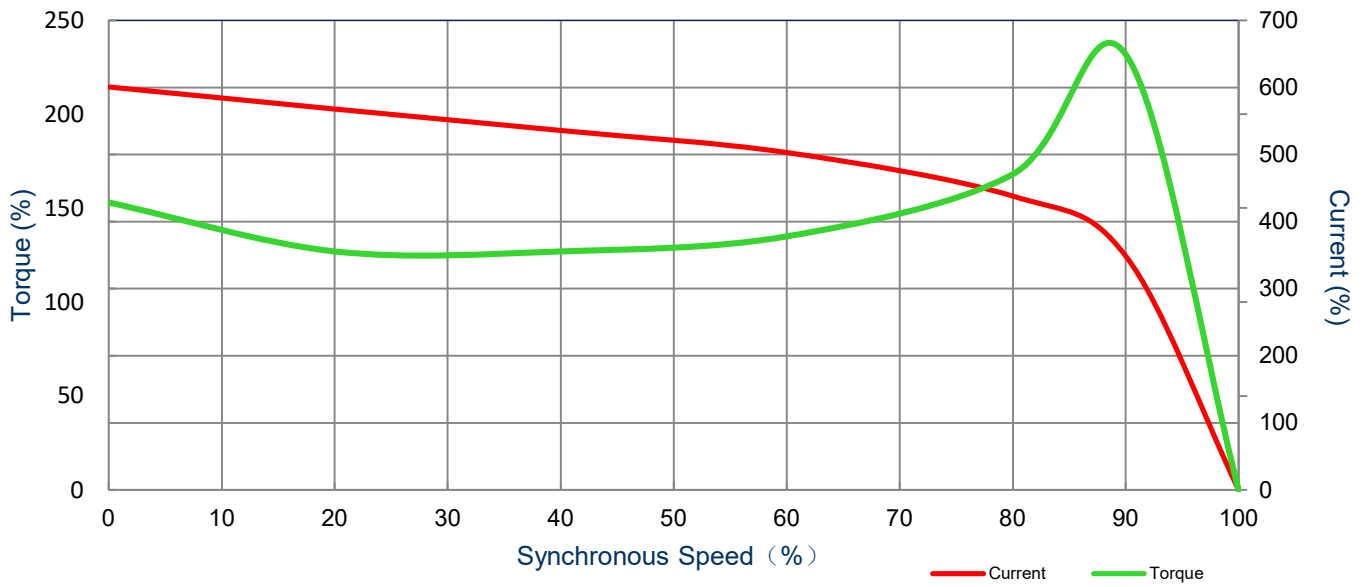
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Serie: NEMA Elite

<b>Issued Date</b>	11/14/2022	<b>Doc. #</b>	382-R0
<b>Issued By</b>	LD	<b>Issued Rev</b>	0

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25.00	18.5	4	1460	284T	190/380	50	3	72/36
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	91.7	B	G	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque				Pull Up (%)	Break Down (%)	
		Full Load (lb-ft)	Locked Rotor (%)					
215.0	5.23	89.9	150.0		135.0	230.0		



All characteristics are average expected values.

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Engr. Date	Doc. Approved By	Doc. Issued	

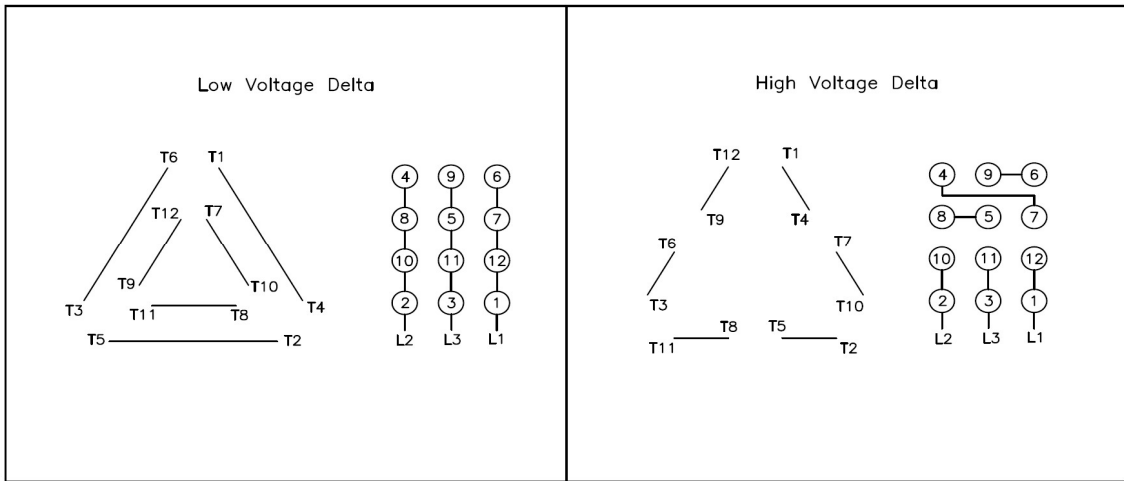
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## Motor Connection Diagram

Model: MNET00254A2TBR

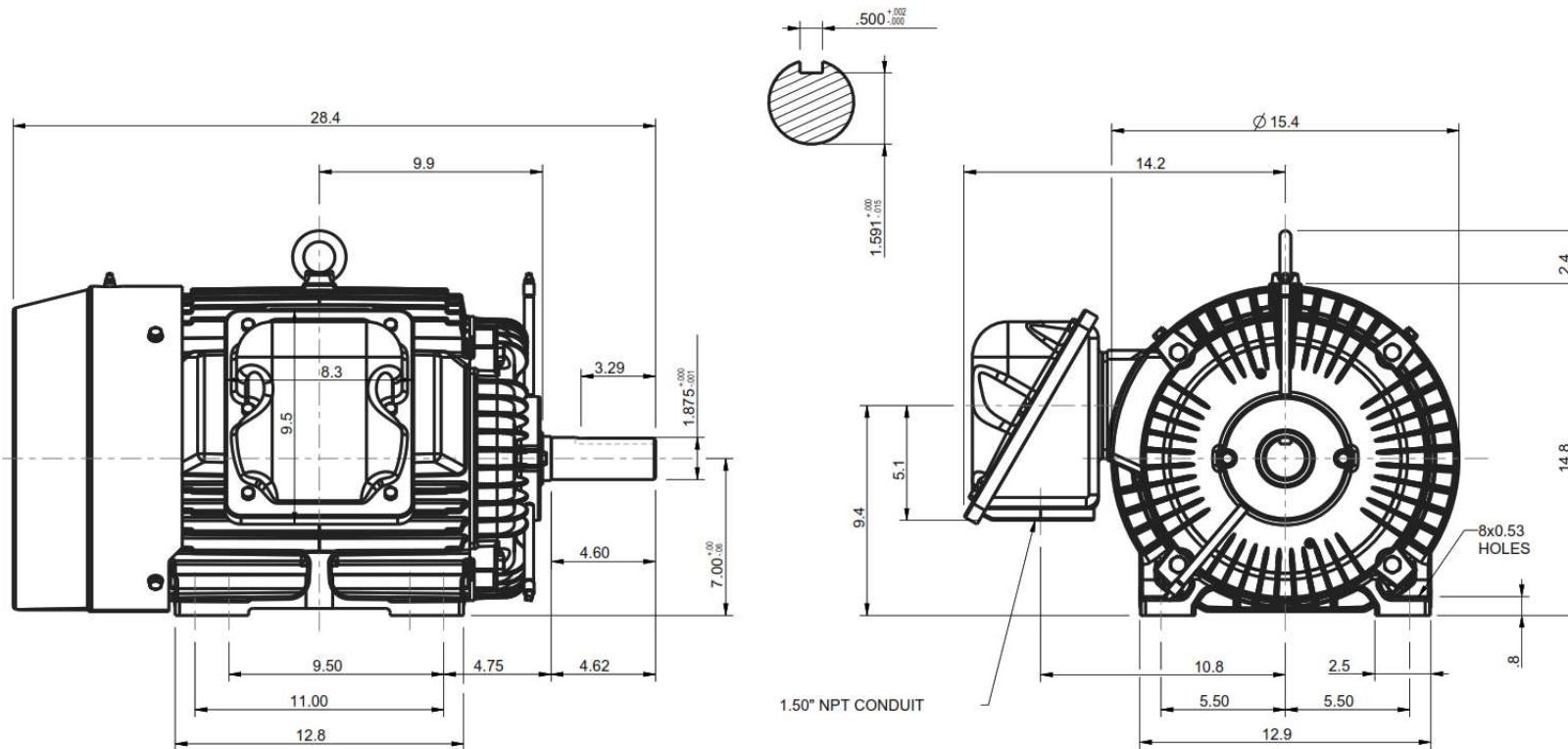
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### 12 Leads Connection Diagram



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.			
 <b>X</b>						
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DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED			<b>X</b>	CERTIFIED		
		<b>TOTALLY ENCLOSED FAN COOLED          HORIZONTAL FOOT MOUNTED          3 PHASE INDUCTION MOTOR</b>	Drawing #: MNET00254A2TBR			
			Rev. Date:	11/14/2022	Rev. #:	0
			Standard:	NEMA	Mount.:	F1
			Frame	284T - 286T	Per.:	LD