



### TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00154A2TBR

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
15.00	11.00	4	1770	254T	230/460	60	3	38/19.0
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	92.4	B	G	40 C

\* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	15.00	11.00	19.0	92.6	81.0
¾ Load	11.25	8.40	15.3	92.1	78.2
½ Load	7.50	5.60	12.0	90.3	70.8
¼ Load	3.75	2.80	9.6	82.8	44.2
No Load			7.5		
Locked Rotor			113.0		

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
44.50	240.0	185.0	265.0	2.33

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
35 / 15	-	6309ZZC3	6309ZZC3	315

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

#### Included Accessories:

All characteristics are average expected values.

Engineering	Doc. Written By	Doc.# / Rev	MNET00154A2TBR
Engr. Date	Doc. Approved By	Doc. Issued	



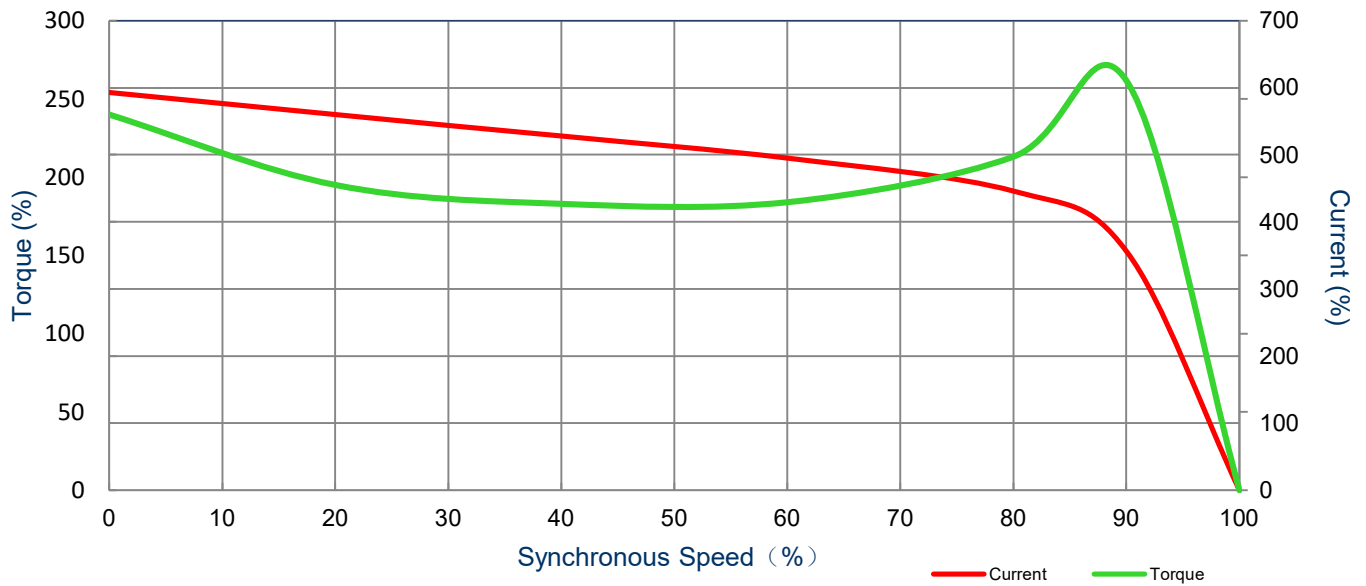
## SPEED TORQUE/CURRENT CURVE

Model: MNET00154A2TBR

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
15.00	11.00	4	1770	254T	230/460	60	3	38/19.0
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	92.4	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 (%)			
113.0	2.33	44.5	240.0	185.0	265.0			



All characteristics are average expected values.

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15.00	11.00	4	1450	254T	190/380	50	3	48/24
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	90.2	B	G	40 C

\* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	15.00	11.00	24.0	92.4	76
¾ Load	11.25	8.40	17.9	92.6	73.5
½ Load	7.50	5.60	13.3	91.6	66.5
¼ Load	3.75	2.80	9.9	83.6	51.2
No Load			7.4		5.8
Locked Rotor			130.0		40.1

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
54.30	170.0	145.0	200.0	2.33

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
27 / 14	-	6309ZZC3	6309ZZC3	315

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

Included Accessories:

All characteristics are average expected values.

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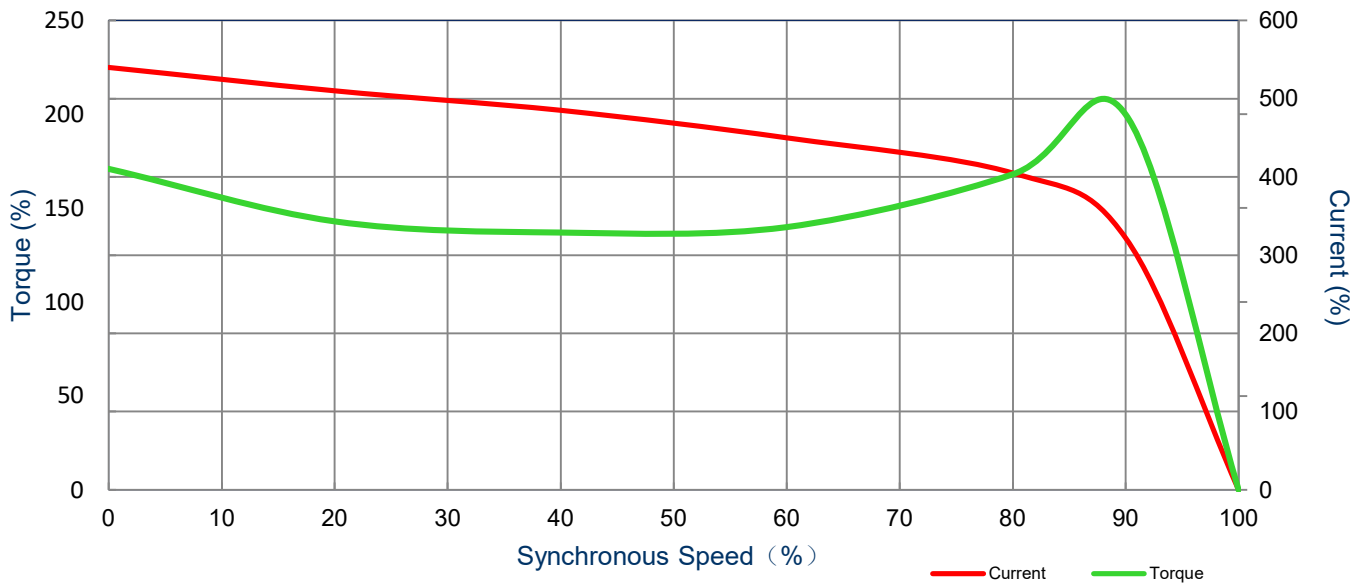
## SPEED TORQUE/CURRENT CURVE

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Serie: NEMA Elite

<b>Issued Date</b>	11/14/2022	<b>Doc. #</b>	382-R0
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15.00	11	4	1450	254T	190/380	50	3	48/24
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	90.2	B	G	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
130.0	2.33	54.3	170.0	145.0	200.0			



All characteristics are average expected values.

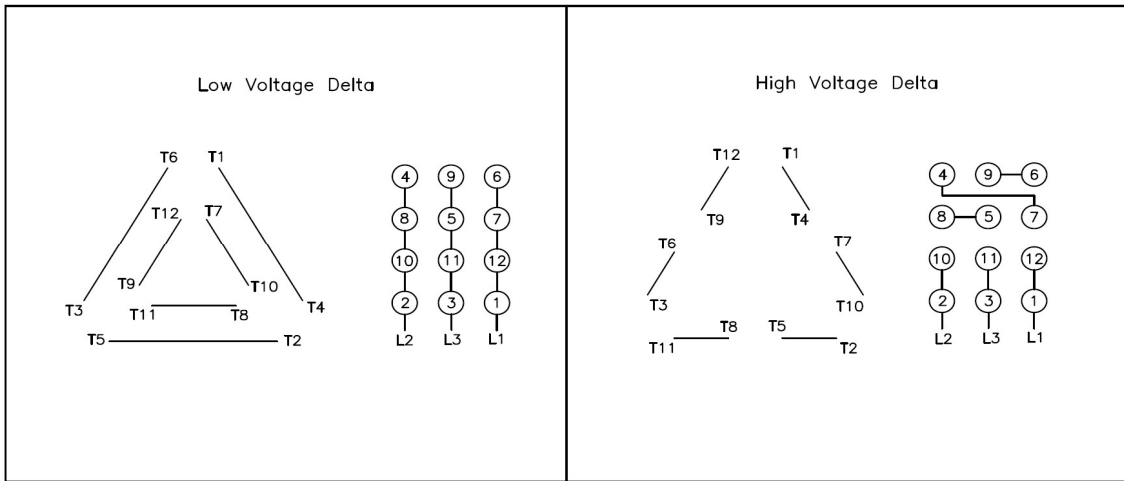
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Engr. Date	Doc. Approved By	Doc. Issued	

## Motor Connection Diagram

Model: MNET00154A2TBR

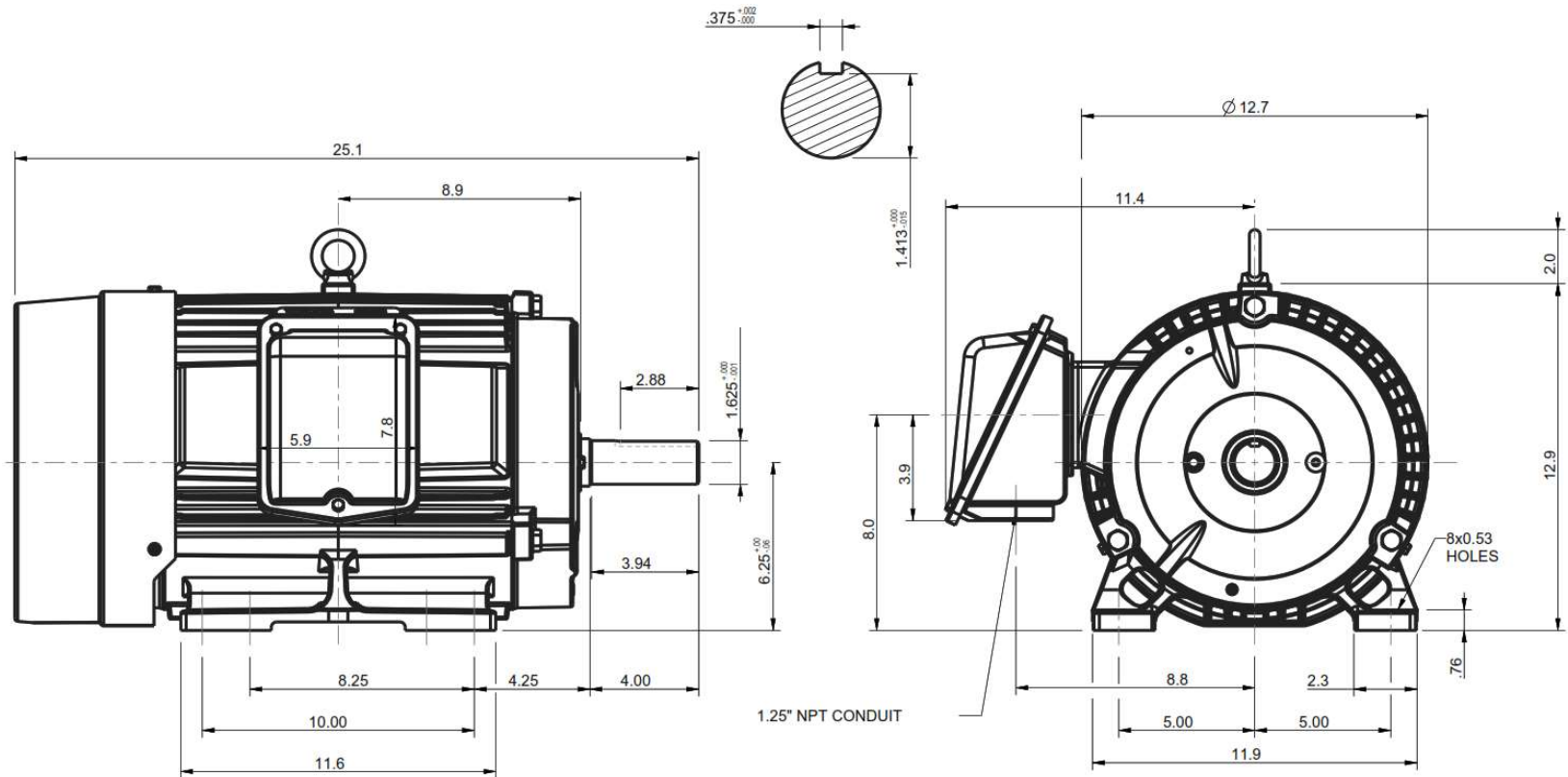
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### 12 Leads Connection Diagram



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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.			
 <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 #: MNET00154A2TBR			
			Rev. Date:	11/14/2022	Rev. #:	0
			Standard:	NEMA	Mount.:	F1
			Frame	254T - 256T	Per.:	LD