



## TYPICAL MOTOR PERFORMANCE DATA

Model: MNET01X56A2TBR

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
1.50	1.10	6	1170	182T	230/460	60	3	5.0/2.5
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	87.5	B	M	40 C

\* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.10	2.5	87.7	65.4
¾ Load	1.13	0.80	2.1	86.0	55.7
½ Load	0.75	0.60	1.9	81.8	44.1
¼ Load	0.38	0.30	1.8	69.6	28.1
No Load			1.5		7.1
Locked Rotor			20.0		45.5

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
6.73	245.0	185.0	420.0	0.43

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
35 / 15	-	6306ZC3	6306ZC3	99

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET01X56A2TBR
Engr. Date		Doc. Approved By		Doc. Issued	



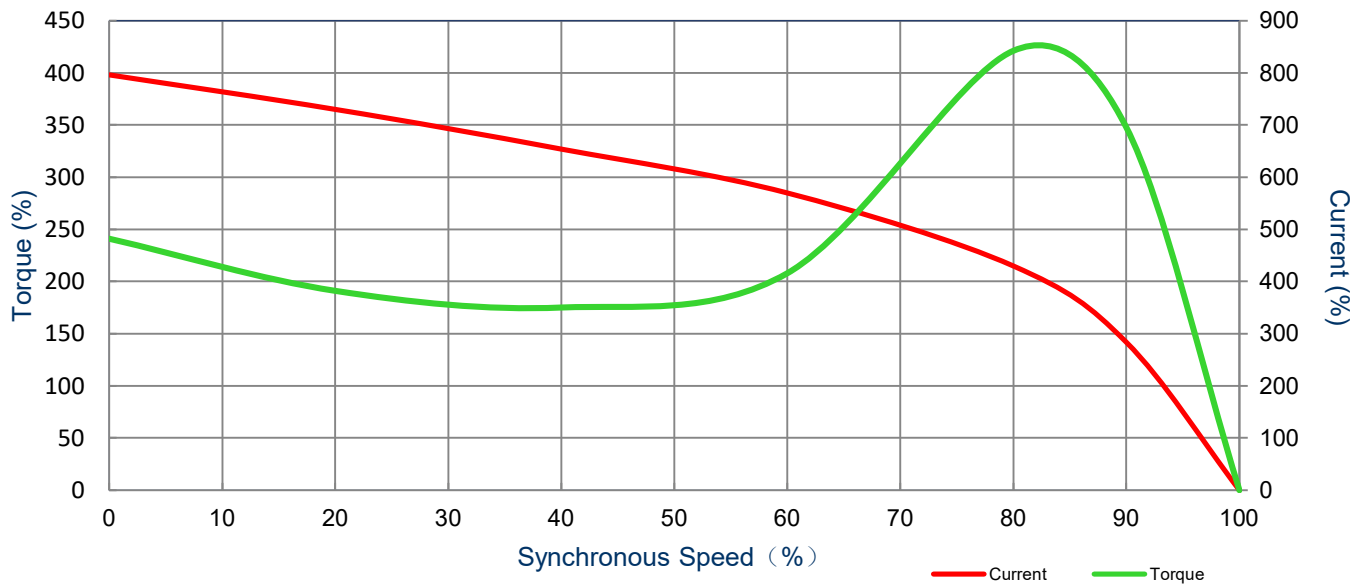
## SPEED TORQUE/CURRENT CURVE

Model: MNET01X56A2TBR

Serie: NEMA Elite

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Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	87.5	B	M	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft <sup>2</sup> )	Torque				Pull Up (%)	Break Down (%)	
		Full Load (lb-ft)	Locked Rotor (%)					
20.0	0.43	6.73	245.0		185.0	420.0		



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.10	6	960	182T	190/380	50	3	5.8/2.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	82.5	B	M	40 C

\* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.10	2.9	84.9	61.5
¾ Load	1.13	0.80	2.3	84.4	54.2
½ Load	0.75	0.60	2.0	81.8	42.9
¼ Load	0.38	0.30	1.8	71	32.1
No Load			1.6		6.9
Locked Rotor			25.0		59.9

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
8.21	255.0	210.0	315.0	0.43

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
35 / 29	-	6306ZZC3	6306ZZC3	99

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

**Included Accessories:**

All characteristics are average expected values.

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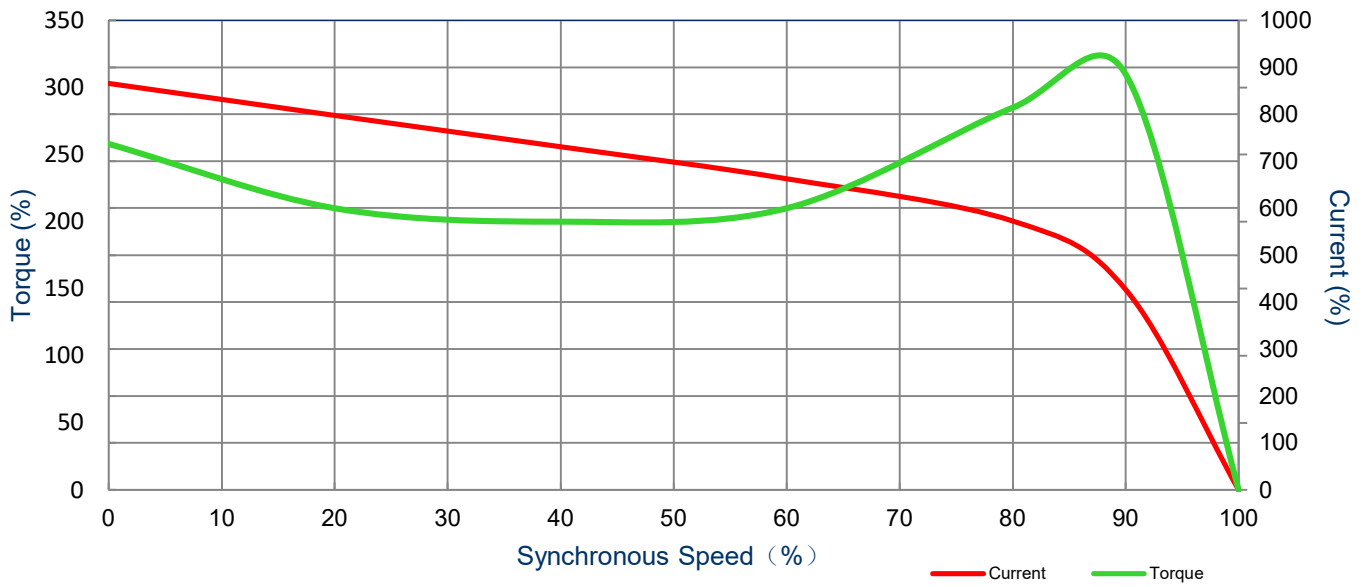
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1.50	1.1	6	960	182T	190/380	50	3	5.8/2.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	82.5	B	M	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
25.0	0.43	8.21	255.0	210.0	315.0			



All characteristics are average expected values.

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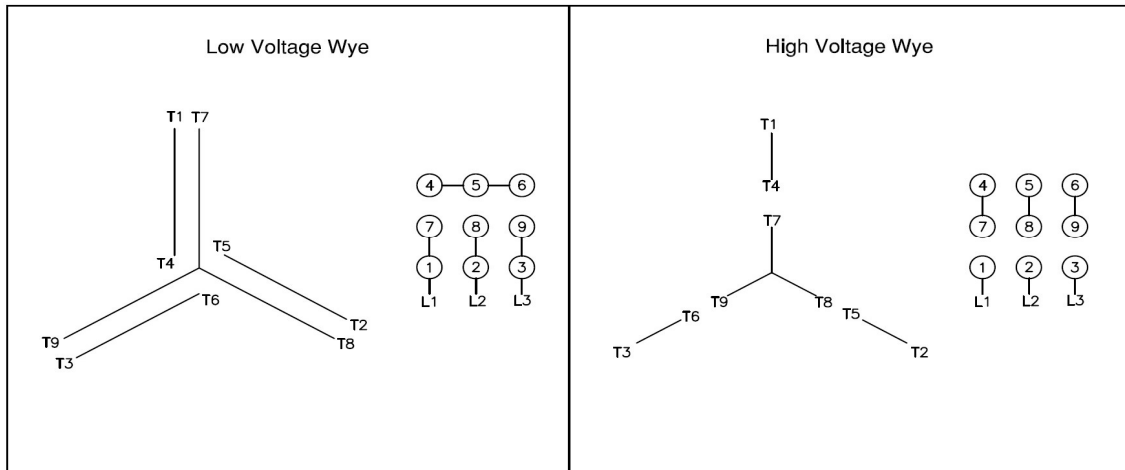
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## Motor Connection Diagram

Model: MNET01X56A2TBR

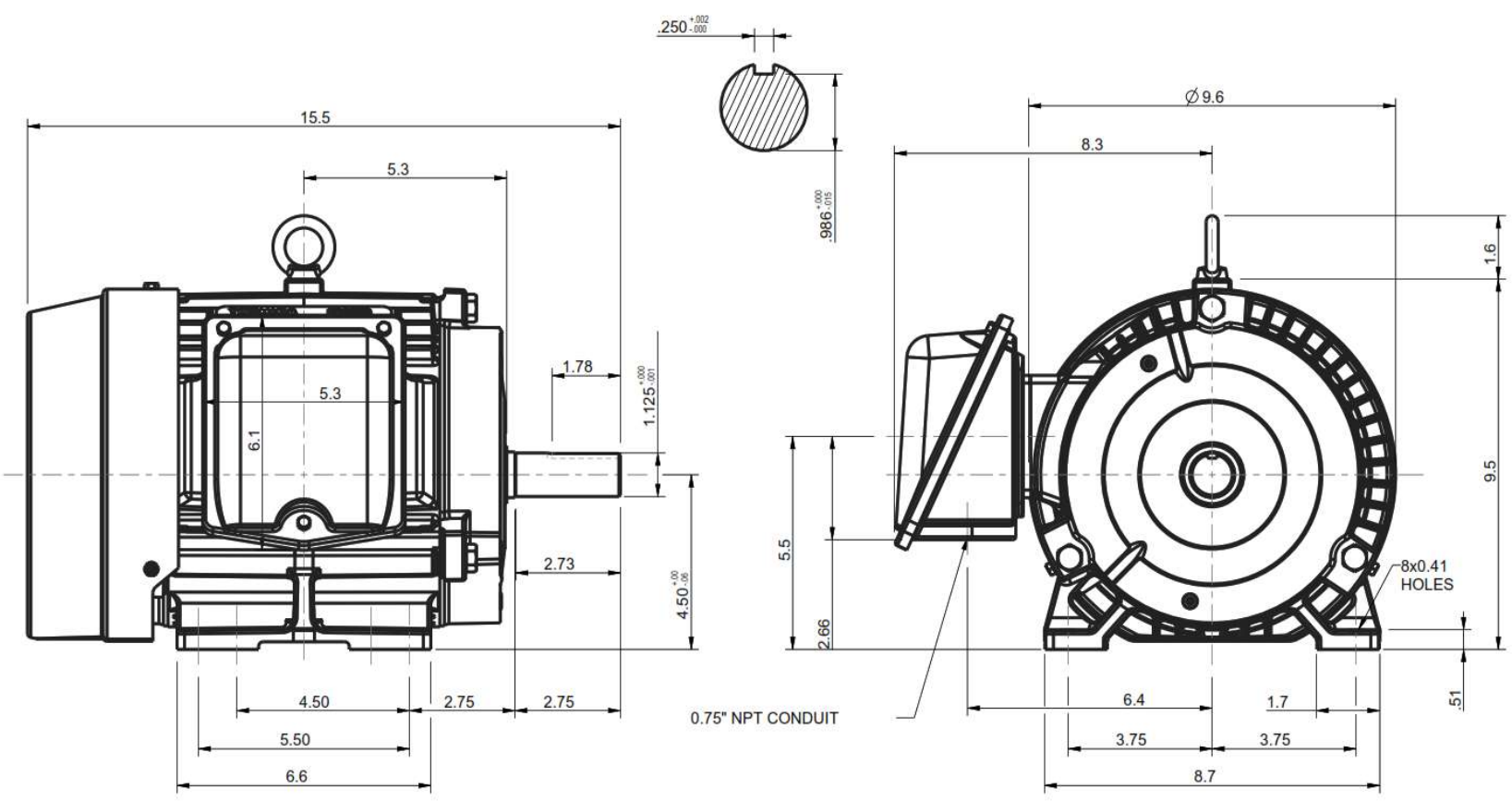
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### 9 Leads Connection Diagram



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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.						
 <b>X</b>									
TASHIDA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE				PRELIMINARY					
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>	<b>Drawing #:</b>		<b>MNET01X56A2TBR</b>				
			<b>Rev. Date:</b>		11/14/2022	<b>Rev. #:</b>		0	
			<b>Standard:</b>		NEMA		<b>Mount.:</b>		F1
			<b>Frame</b>		182T-184T		<b>Per.:</b>		LD