



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET01X54A2TBR

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	4	1755	145T	230/460	60	3	4.5/2.2
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	86.5	B	L	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.10	2.2	85.8	73.1
¾ Load	1.12	0.80	1.9	84.7	65.3
½ Load	0.75	0.60	1.6	81.0	52.7
¼ Load	0.37	0.30	1.5	69.1	33.8
No Load			1.3		8.2
Locked Rotor			17.1		54.3

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
4.49	260.0	325.0	365.0	0.12

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
35 / 15	-	6305ZZC3	6305ZZC3	60

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET01X54A2TBR
Engr. Date		Doc. Approved By		Doc. Issued	



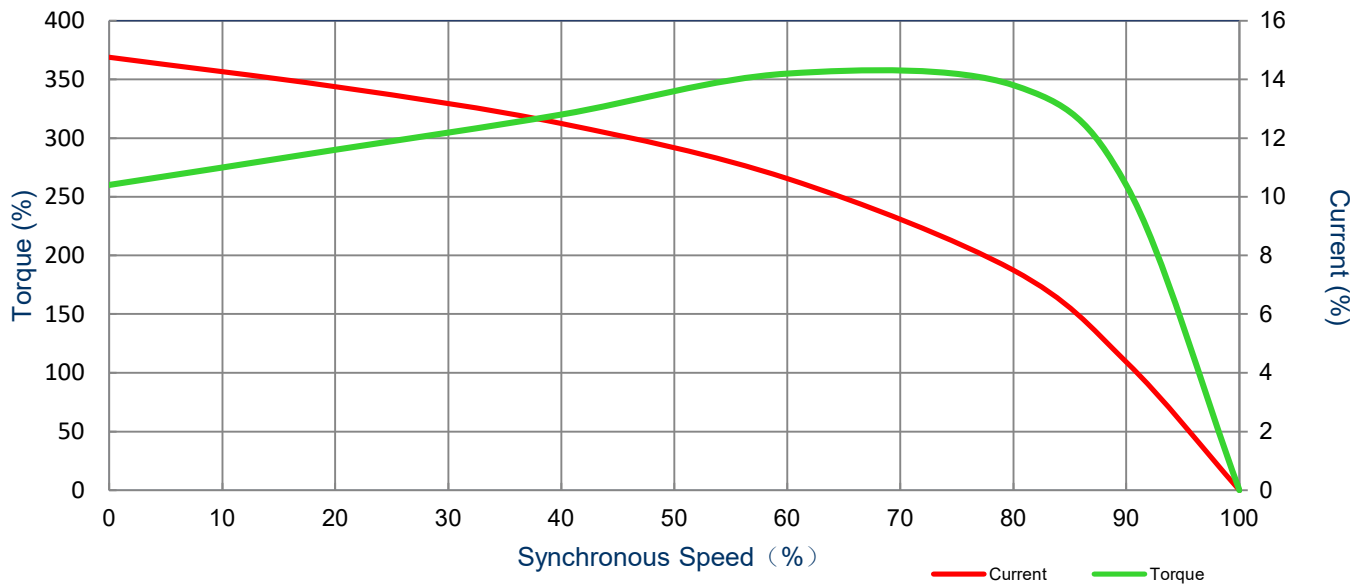
SPEED TORQUE/CURRENT CURVE

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1.50	1.10	4	1755	145T	230/460	60	3	4.5/2.2
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	86.5	B	L	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
17.1	0.12	4.49	260.0	325.0	365.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.10	4	1440	145T	190/380	50	3	5.2/2.6
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	L	40 C

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.10	2.6	86.1	69.5
¾ Load	1.13	0.80	2.0	85.7	62.2
½ Load	0.75	0.60	1.7	83.1	50.1
¼ Load	0.38	0.30	1.4	71.5	40.4
No Load			1.3		8.4
Locked Rotor			25.0		72.9

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
5.47	250.0	195.0	280.0	0.12

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
17 / 12	-	6305ZZC3	6305ZZC3	60

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

Included Accessories:

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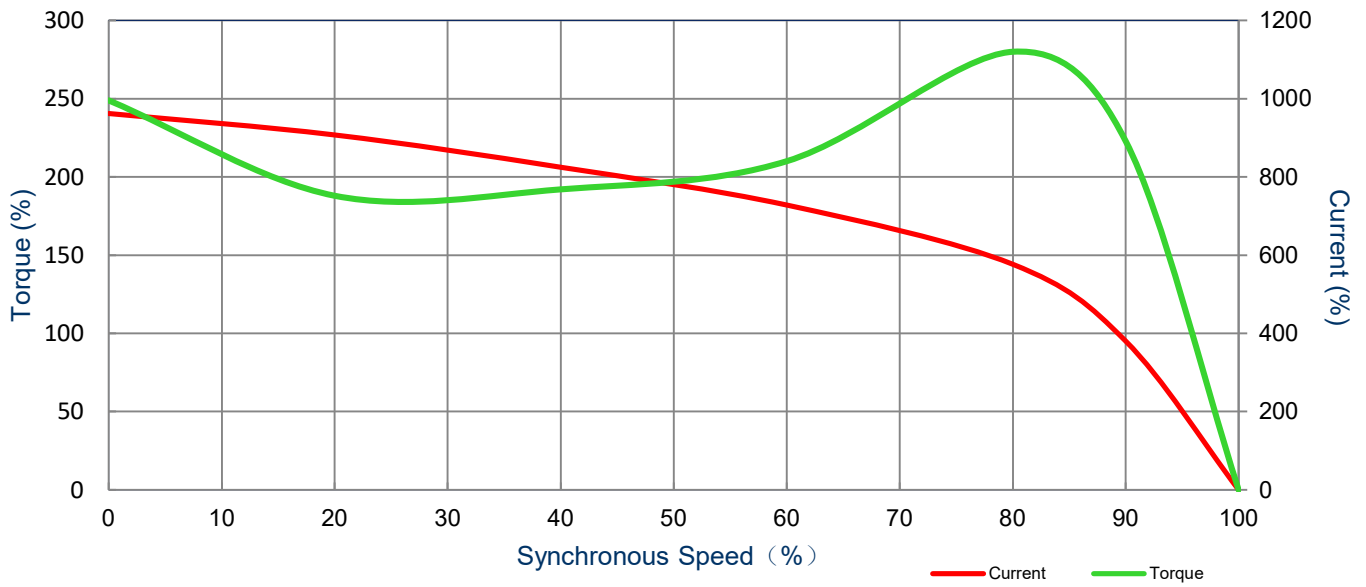
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1.50	1.1	4	1440	145T	190/380	50	3	5.2/2.6
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	84.0	B	L	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
25.0	0.12	5.47	250.0	195.0			280.0	



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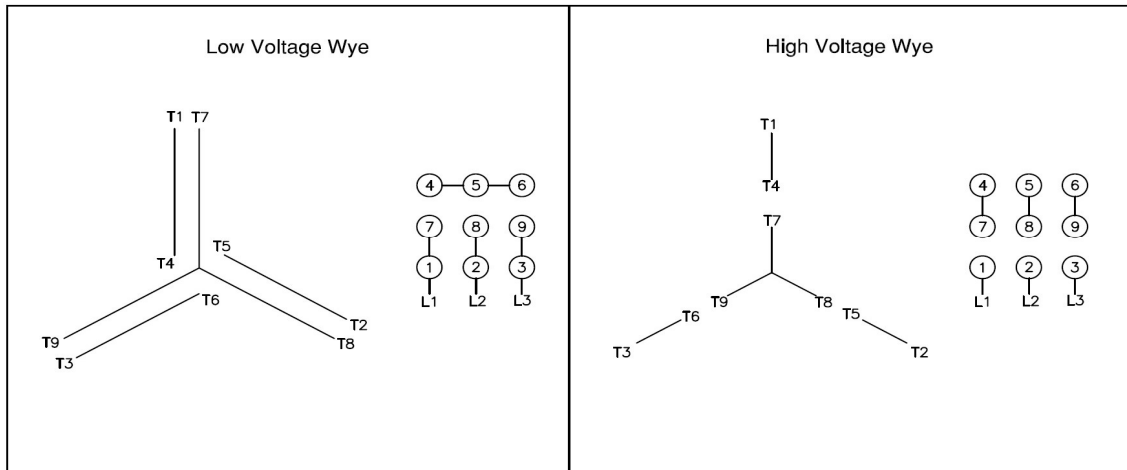
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Motor Connection Diagram

Model: MNET01X54A2TBR

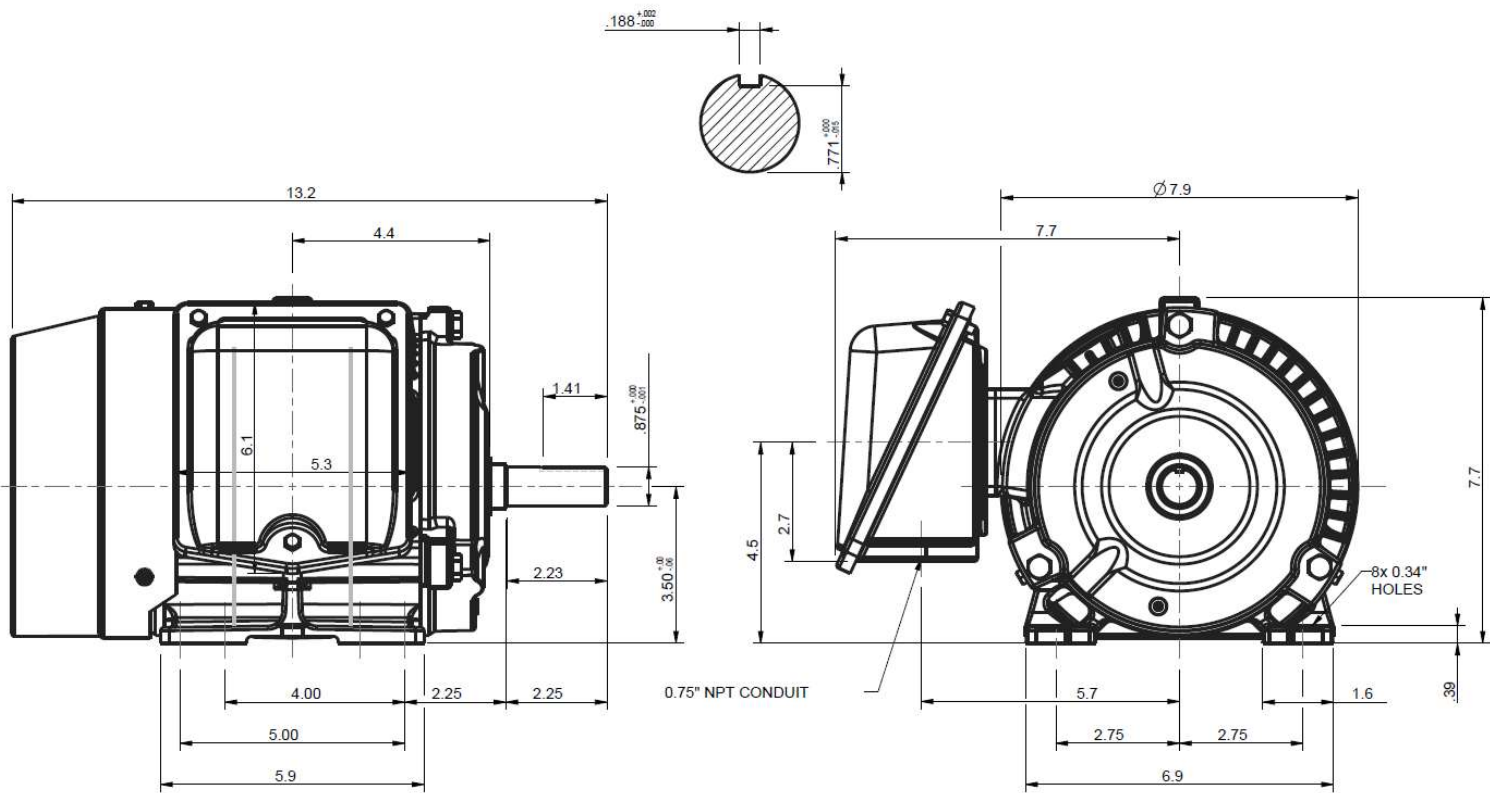
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9 Leads Connection Diagram



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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.	
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	TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR		Drawing #:		MNET01X54A2TBR		
			Rev. Date:		11/14/2022	Rev. #:	0
			Standard:		NEMA	Mount.:	F1
			Frame	145T	Per.:	LD	