



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET07X54A2TBR

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
7.50	5.50	4	1760	213T	230/460	60	3	19.6/9.8
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	91.7	B	H	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7.50	5.50	9.8	91.8	79.9
¾ Load	5.63	4.20	7.8	90.9	75.3
½ Load	3.75	2.80	6.3	88.5	65.8
¼ Load	1.88	1.40	4.5	80.8	48.0
No Load			4.4		6.3
Locked Rotor			63.0		45.7

Torque				Rotor Inertia
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(lb-ft²)
22.40	270.0	215.0	340.0	1.15

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
35 / 15	-	6308ZC3	6308ZC3	186

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET07X54A2TBR
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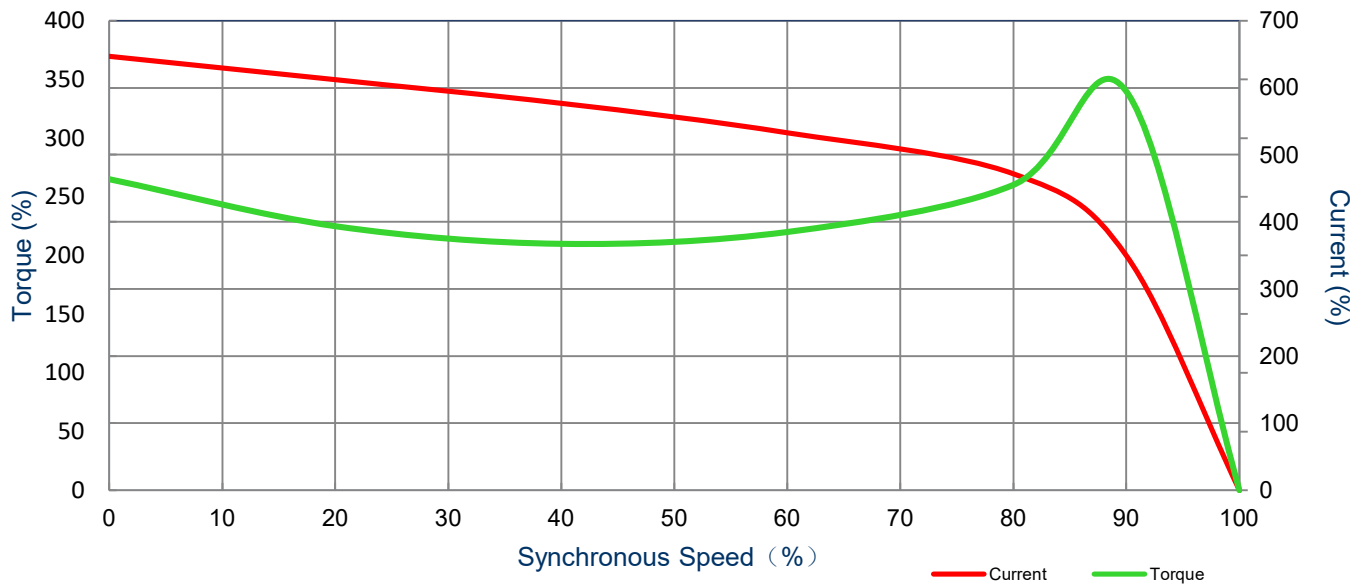
SPEED TORQUE/CURRENT CURVE

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7.50	5.50	4	1760	213T	230/460	60	3	19.6/9.8
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	91.7	B	H	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
63.0	1.15	22.4	270.0	215.0	340.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.50	4	1450	213T	190/380	50	3	24/12.0
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	H	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7.50	5.50	12.0	91.8	77
¾ Load	5.63	4.20	8.9	91.8	72.8
½ Load	3.75	2.80	6.9	90.5	63.7
¼ Load	1.88	1.40	5.4	82.2	47.2
No Load			4.3		6.1
Locked Rotor			75.0		46.7

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
27.20	215.0	175.0	245.0	1.15

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
32 / 23	-	6308ZZC3	6308ZZC3	186

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

Included Accessories:

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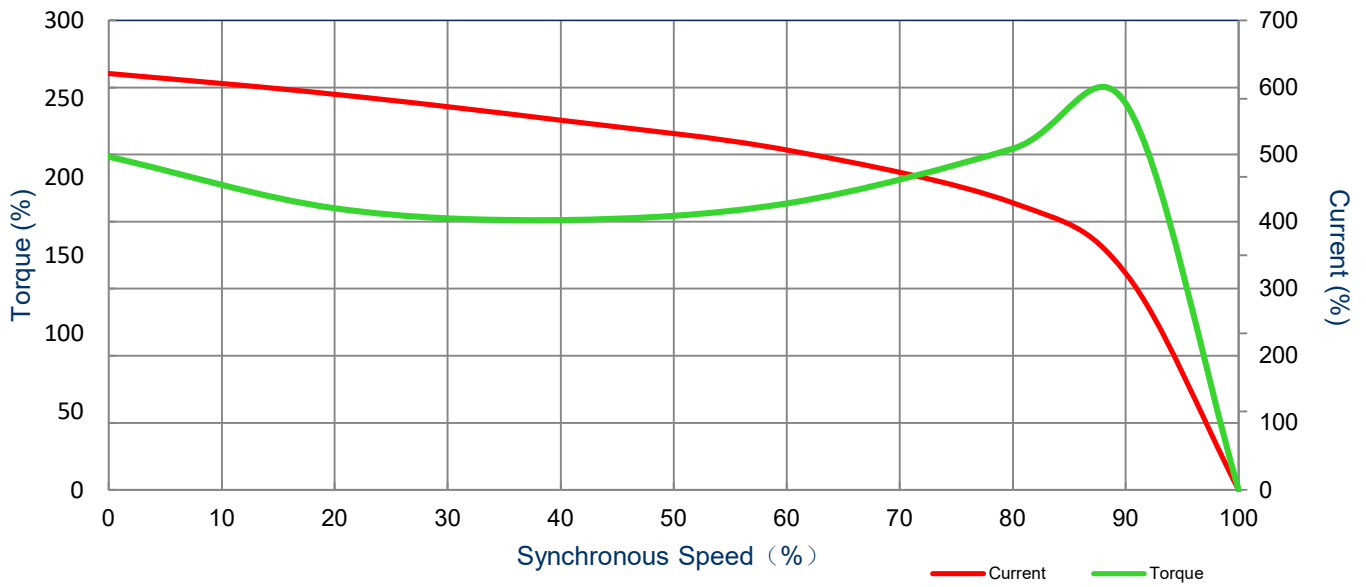
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.5	4	1450	213T	190/380	50	3	24/12.0
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	90.2	B	H	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
75.0	1.15	27.2	215.0	175.0	245.0			



All characteristics are average expected values.

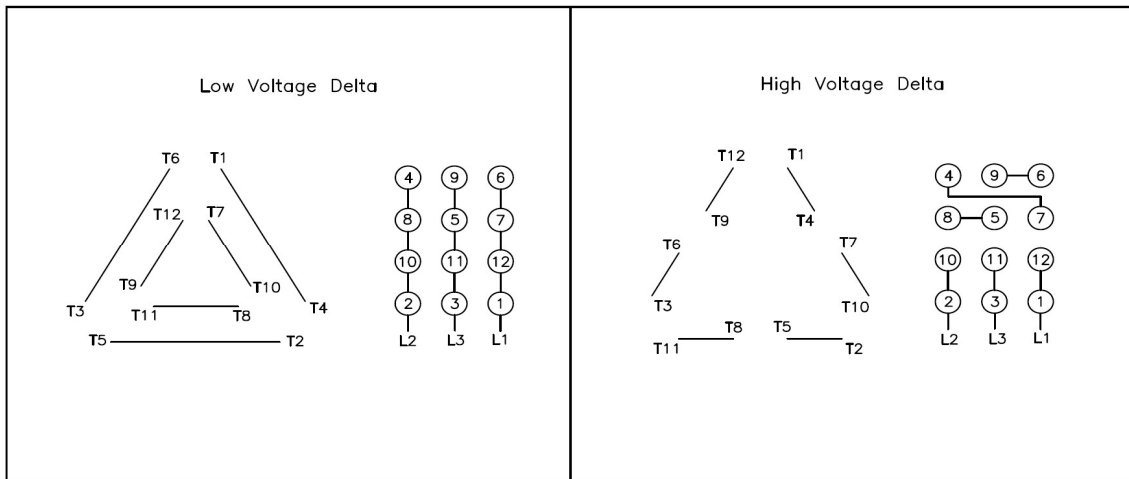
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Motor Connection Diagram

Model: MNET07X54A2TBR

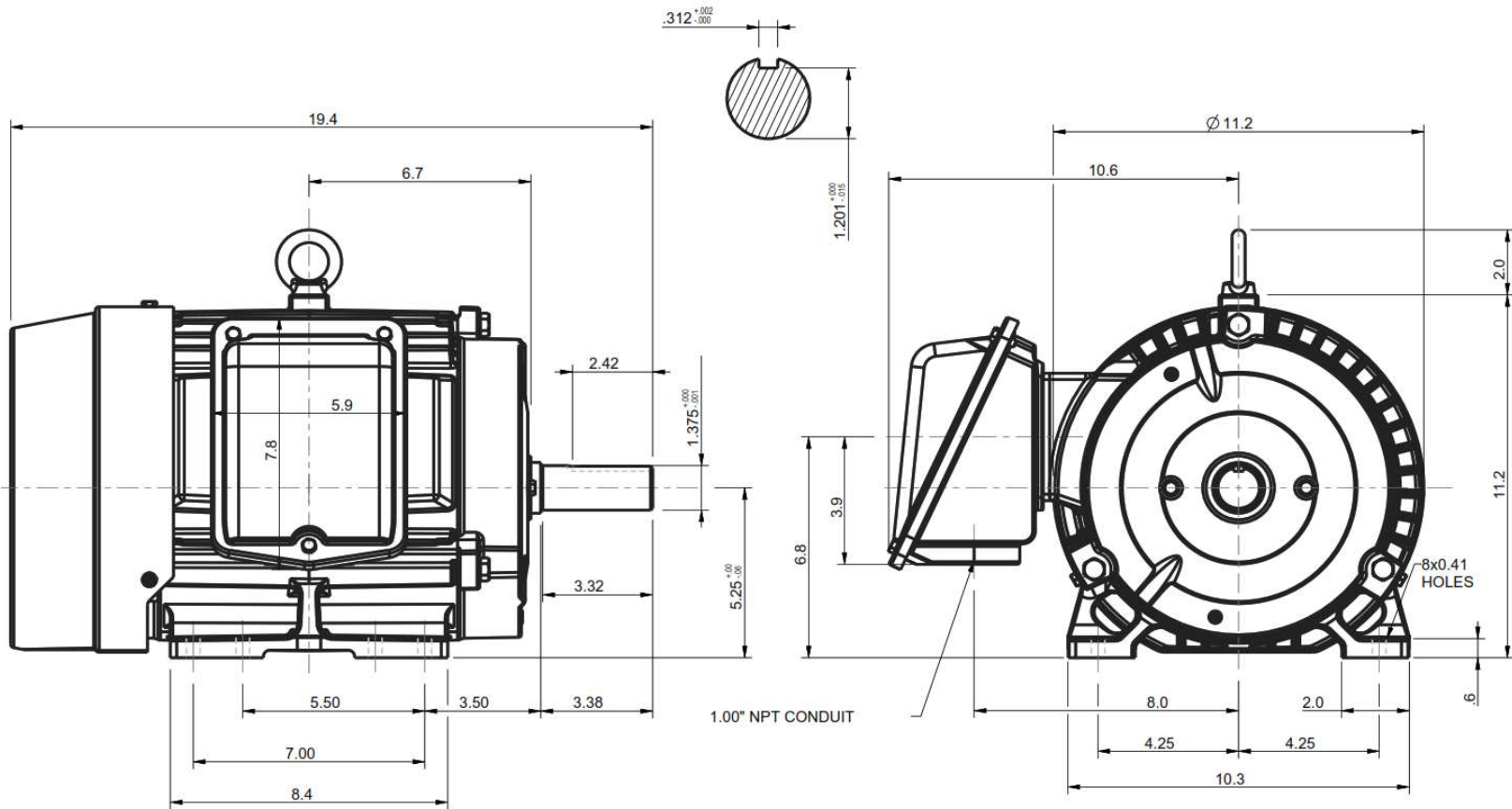
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12 Leads Connection Diagram



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Units: inches		<p align="center">PROPRIETARY INFORMATION</p> <p>We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authorization is strictly forbidden. Offenders will be held liable for payment of damages.</p>	Notes:	
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 #: MNET07X54A2TBR	
			Rev. Date: 11/14/2022	Rev. #: 0
			Standard: NEMA	Mount.: F1
			Frame 213T -213T	Per.: LD