



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET01X52A2TBR

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	2	3490	143T	230/460	60	3	4.0/2.0
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	84.0	B	L	40 C

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.10	2.0	84.3	83.2
¾ Load	1.13	0.80	1.5	83.5	78.6
½ Load	0.75	0.60	1.2	80.4	68.1
¼ Load	0.38	0.30	1.0	69.2	47.8
No Load			1.0		10.5
Locked Rotor			18.0		75.8

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
2.26	265.0	225.0	360.0	0.05

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
28 / 15	-	6305ZZC3	6305ZZC3	57

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

Included Accessories:

All characteristics are average expected values.

Engineering	Doc. Written By	Doc.# / Rev	MNET01X52A2TBR
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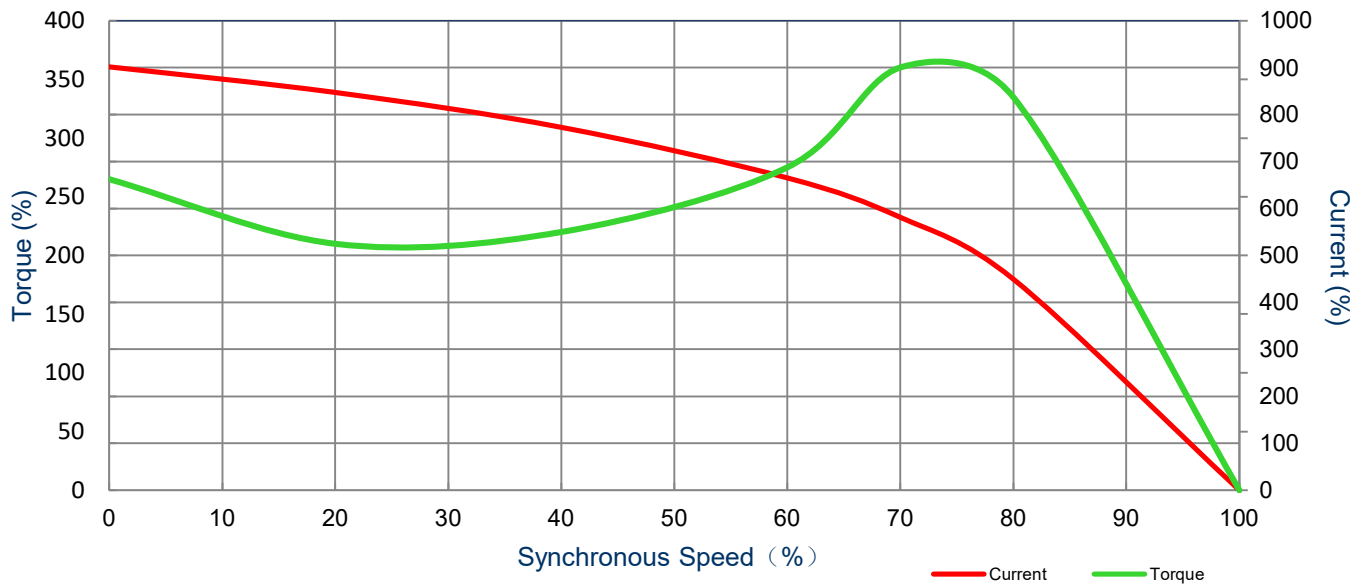
SPEED TORQUE/CURRENT CURVE

Model: MNET01X52A2TBR

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.10	2	3490	143T	230/460	60	3	4.0/2.0
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	84.0	B	L	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
18.0	0.05	2.26	265.0	225.0	360.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.10	2	2855	143T	190/380	50	3	5.0/2.5
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	80.0	B	L	40 C

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.10	2.5	84.2	81
¾ Load	1.13	0.80	1.8	84.6	76
½ Load	0.75	0.60	1.4	82.8	65.8
¼ Load	0.38	0.30	1.1	69.9	54.5
No Load			0.8		
Locked Rotor			22.0		

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
2.76	180.0	170.0	250.0	0.05

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
32 / 8	-	6305ZZC3	6305ZZC3	57

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

Included Accessories:

All characteristics are average expected values.

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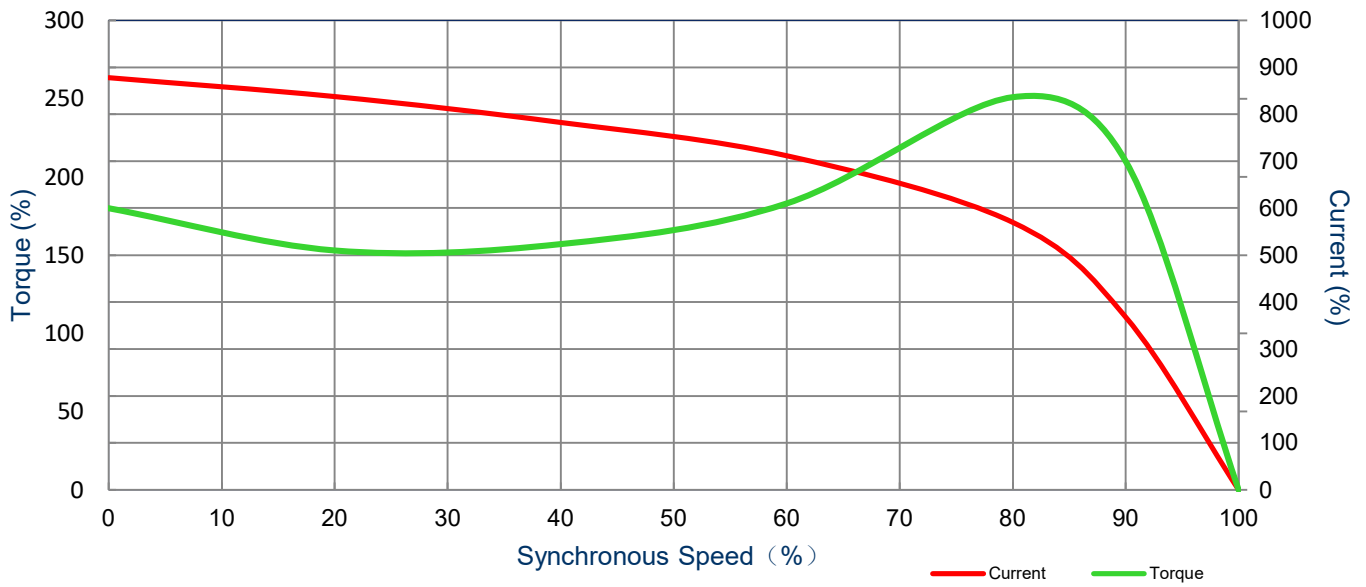
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	2	2855	143T	190/380	50	3	5.0/2.5
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	80.0	B	L	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
22.0	0.05	2.76	180.0	170.0	250.0			



All characteristics are average expected values.

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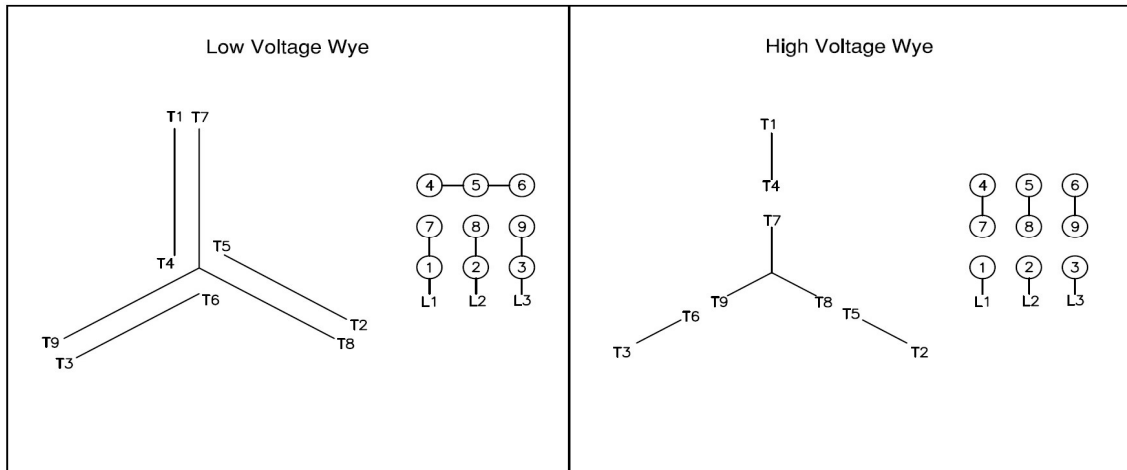
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Motor Connection Diagram

Model: MNET01X52A2TBR

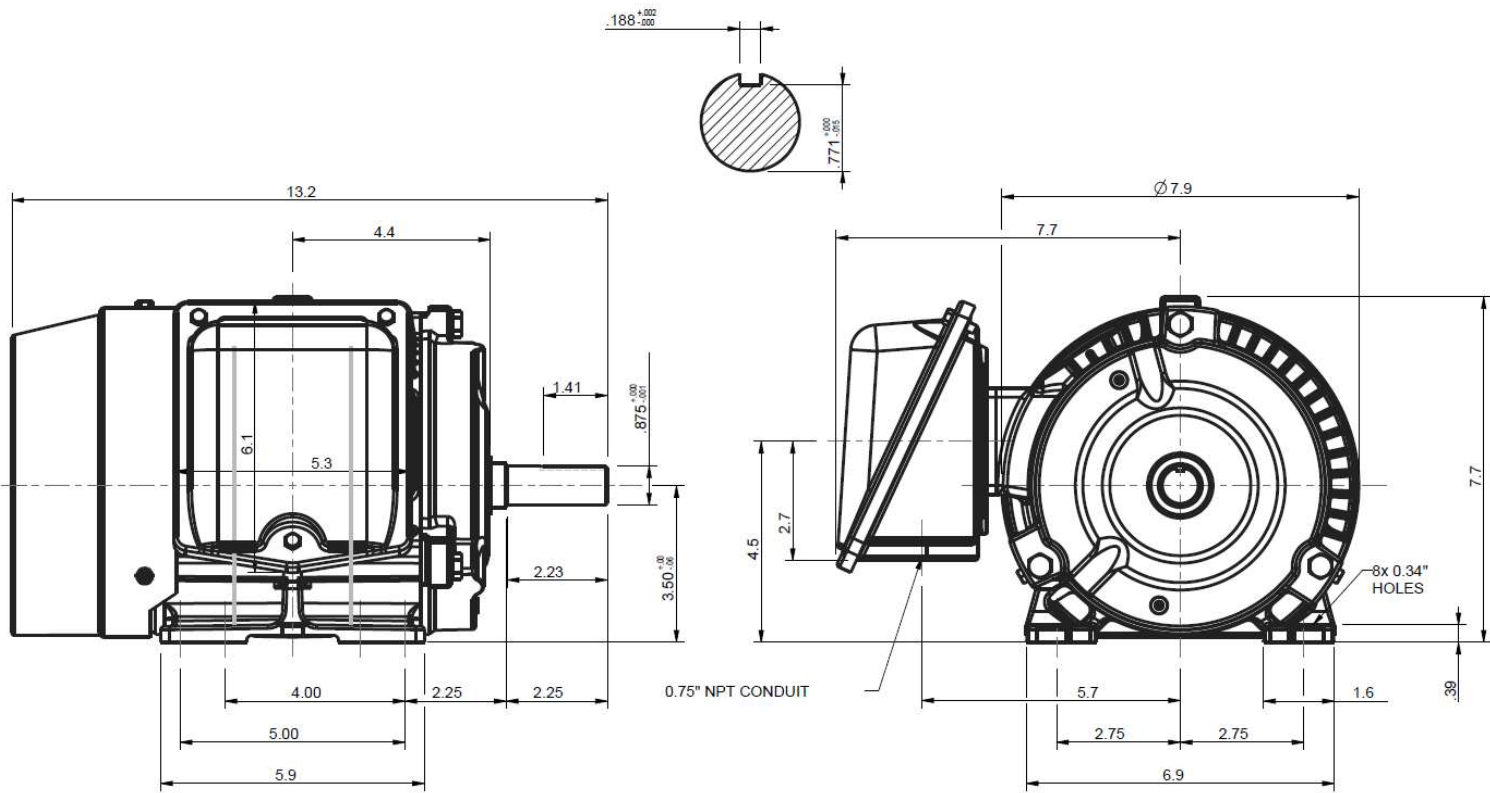
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9 Leads Connection Diagram



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.			
						
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 #: MNET01X52A2TBR			
			Rev. Date:	11/14/2022	Rev. #:	0
			Standard:	NEMA	Mount.:	F1
			Frame	143T-145T	Per.:	LD