



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00022A2TBR

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
2.00	1.50	2	3490	145T	230/460	60	3	5.2/2.6
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	85.5	B	L	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	2.00	1.50	2.6	85.6	84.4
¾ Load	1.50	1.10	2.0	84.9	79.8
½ Load	1.00	0.70	1.6	82.2	69.5
¼ Load	0.50	0.40	1.3	72.8	48.9
No Load			1.2		8.5
Locked Rotor			24.0		76.1

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
3.01	275.0	245.0	360.0	0.06

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
27 / 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	MNET00022A2TBR
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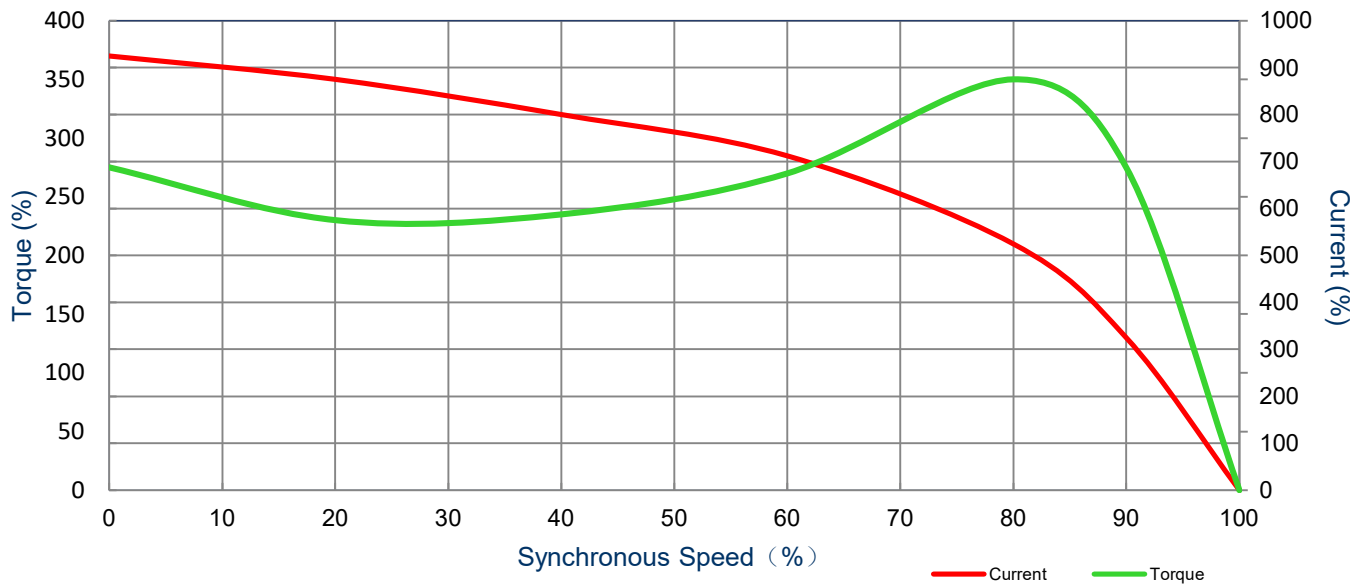
SPEED TORQUE/CURRENT CURVE

Model: MNET00022A2TBR

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2.00	1.50	2	3490	145T	230/460	60	3	5.2/2.6
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	85.5	B	L	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
24.0	0.06	3.01	275.0	245.0	360.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2.00	1.50	2	2855	145T	190/380	50	3	6.4/3.2
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

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	2.00	1.50	3.2	84	84.5
¾ Load	1.50	1.10	2.4	85.4	79.6
½ Load	1.00	0.70	1.8	84.9	69.3
¼ Load	0.50	0.40	1.4	70.9	56.3
No Load			1.0		9.4
Locked Rotor			30.0		97.2

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
3.68	190.0	180.0	240.0	0.06

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
11 / 5	-	6305ZZC3	6305ZZC3	60

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

Included Accessories:

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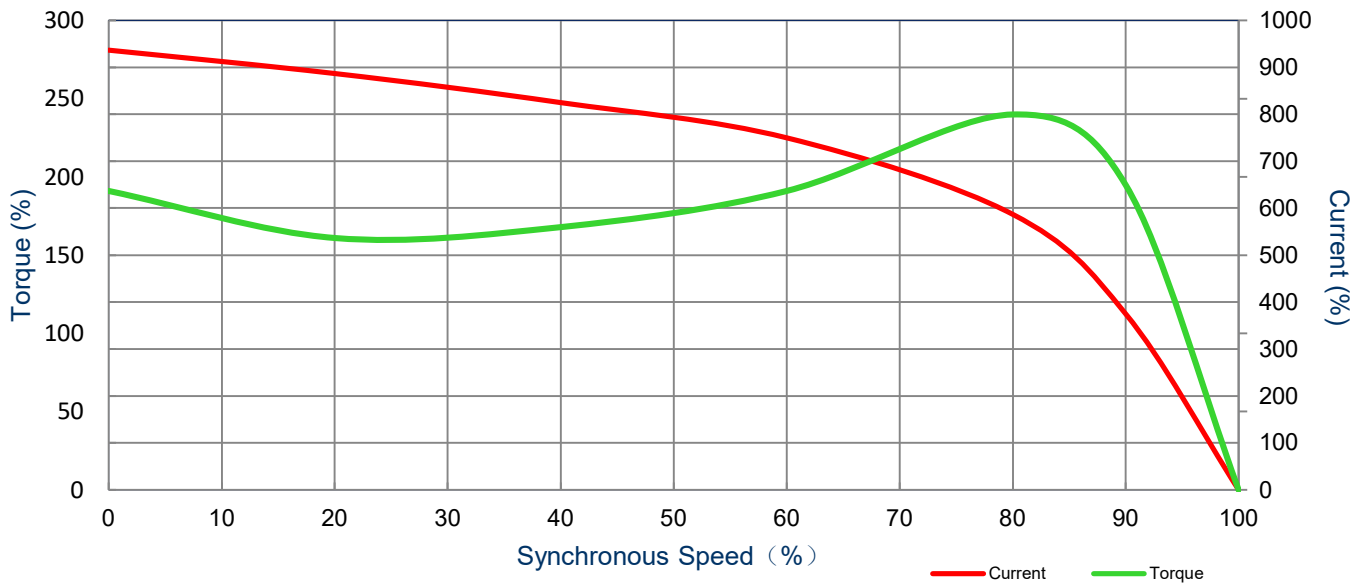
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2.00	1.5	2	2855	145T	190/380	50	3	6.4/3.2
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	80.0	B	L	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)		Pull Up (%)		Break Down (%)	
		3.68	190.0		180.0		240.0	



All characteristics are average expected values.

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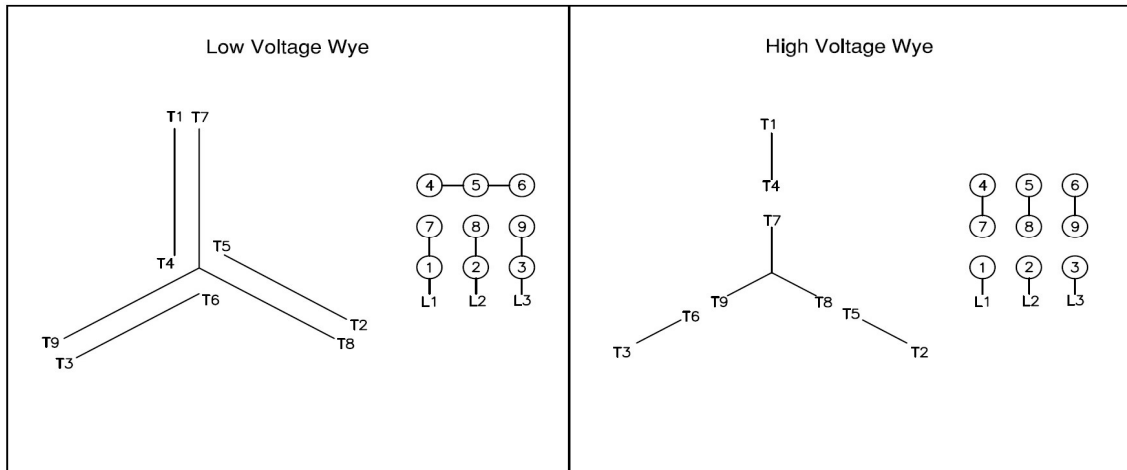
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Motor Connection Diagram

Model: MNET00022A2TBR

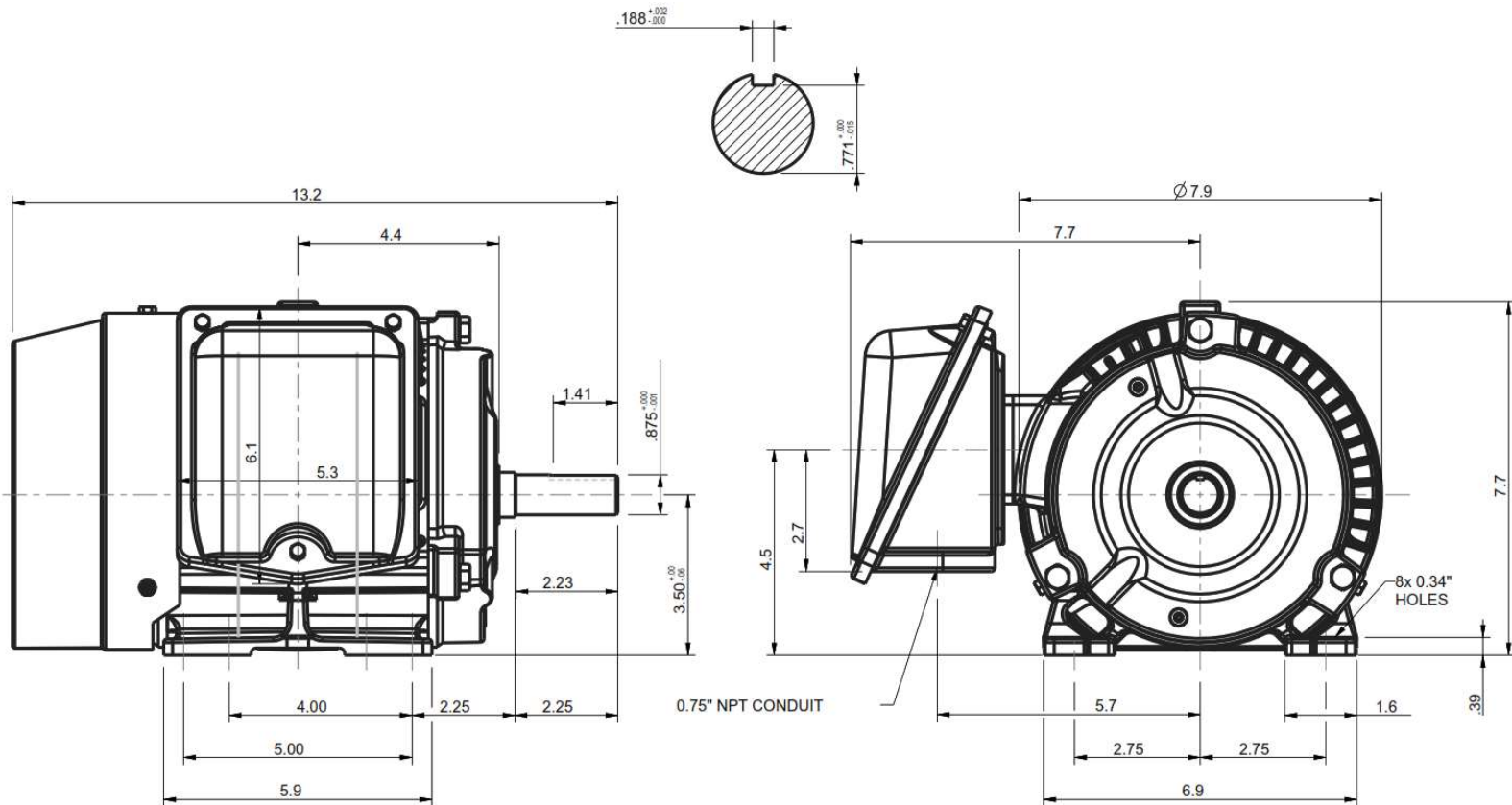
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9 Leads Connection Diagram



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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.				
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 #:	MNET00022A2TBR		
				Rev. Date:	11/14/2022	Rev. #:	0
		Standard:	NEMA	Mount.:	F1		
		Frame	143T-145T	Per.:	LD		