



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00404A2TBR

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
40.00	30.00	4	1775	324T	230/460	60	3	96/48
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	94.1	B	G	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	40.00	30.00	48.0	94.1	85.4
¾ Load	30.00	22.40	37.2	93.4	82.9
½ Load	20.00	14.90	28.1	91.6	76.3
¼ Load	10.00	7.50	21.2	84.9	52.0
No Load			15.6		6.1
Locked Rotor			289.0		31.3

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
118.00	180.0	155.0	275.0	9.8

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
35 / 15	-	6312ZC3	6312ZC3	0

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

Included Accessories:

All characteristics are average expected values.

Engineering	Doc. Written By	Doc.# / Rev	MNET00404A2TBR
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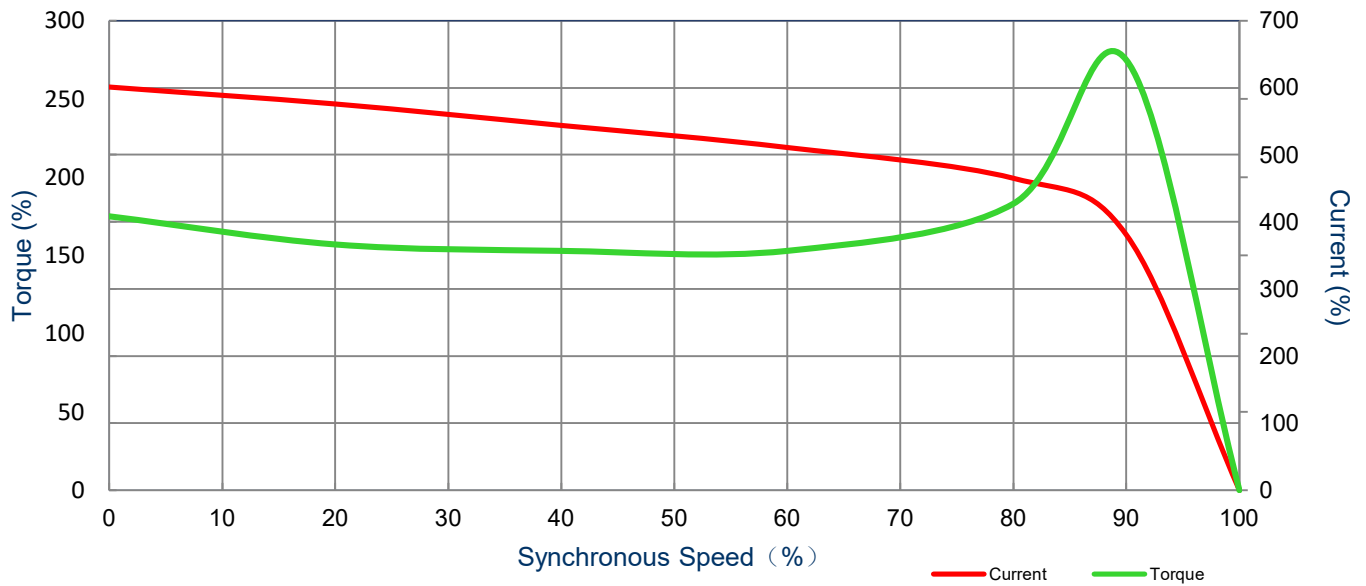
SPEED TORQUE/CURRENT CURVE

Model: MNET00404A2TBR

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40.00	30.00	4	1775	324T	230/460	60	3	96/48
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	94.1	B	G	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
289.0	9.8	118	180.0	155.0	275.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40.00	30.00	4	1470	324T	190/380	50	3	116/58
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	93.0	B	G	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	40.00	30.00	58.0	94.2	94.2
¾ Load	30.00	22.40	43.5	94.2	91.6
½ Load	20.00	14.90	31.1	94.3	84.3
¼ Load	10.00	7.50	20.7	86.1	63.3
No Load			15.7		5.3
Locked Rotor			345.0		29.3

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
143.00	140.0	135.0	225.0	9.8

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
24 / 10	-	6312ZC3	6312ZC3	0

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

Included Accessories:

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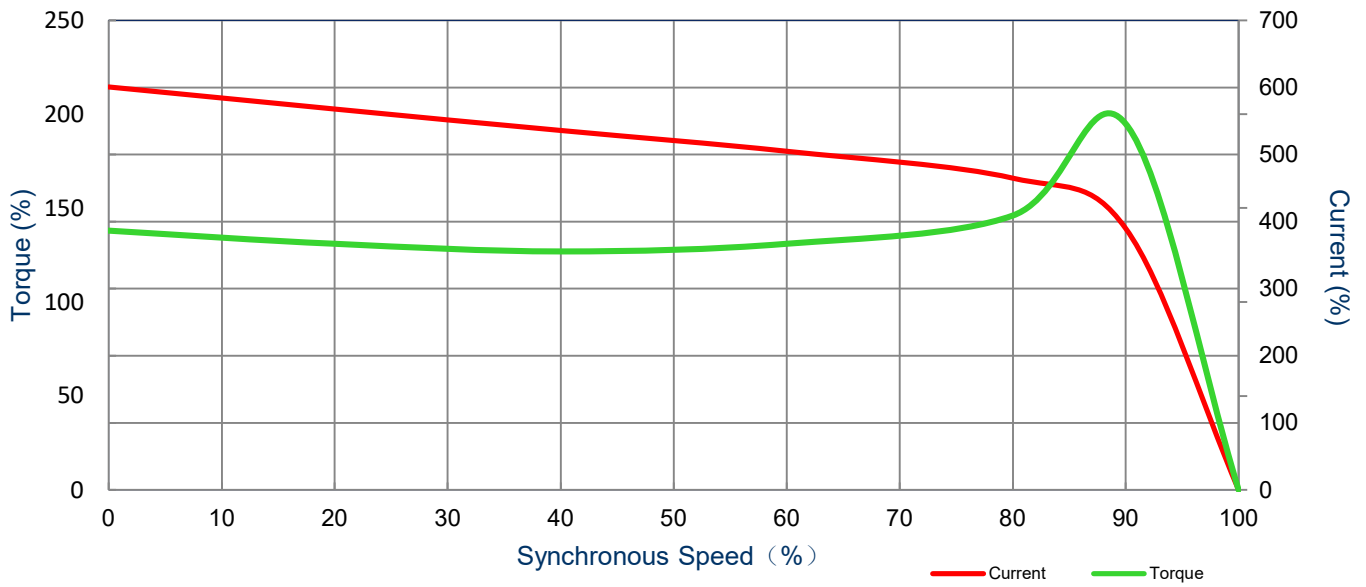
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40.00	30	4	1470	324T	190/380	50	3	116/58
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	93.0	B	G	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
345.0	9.8	143	140.0	135.0	225.0			



All characteristics are average expected values.

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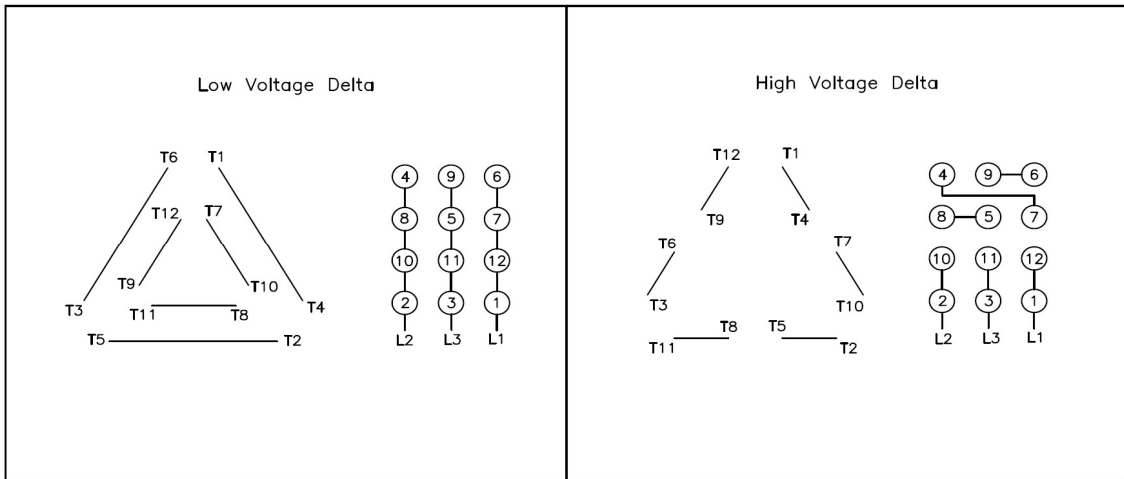
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Motor Connection Diagram

Model: MNET00404A2TBR

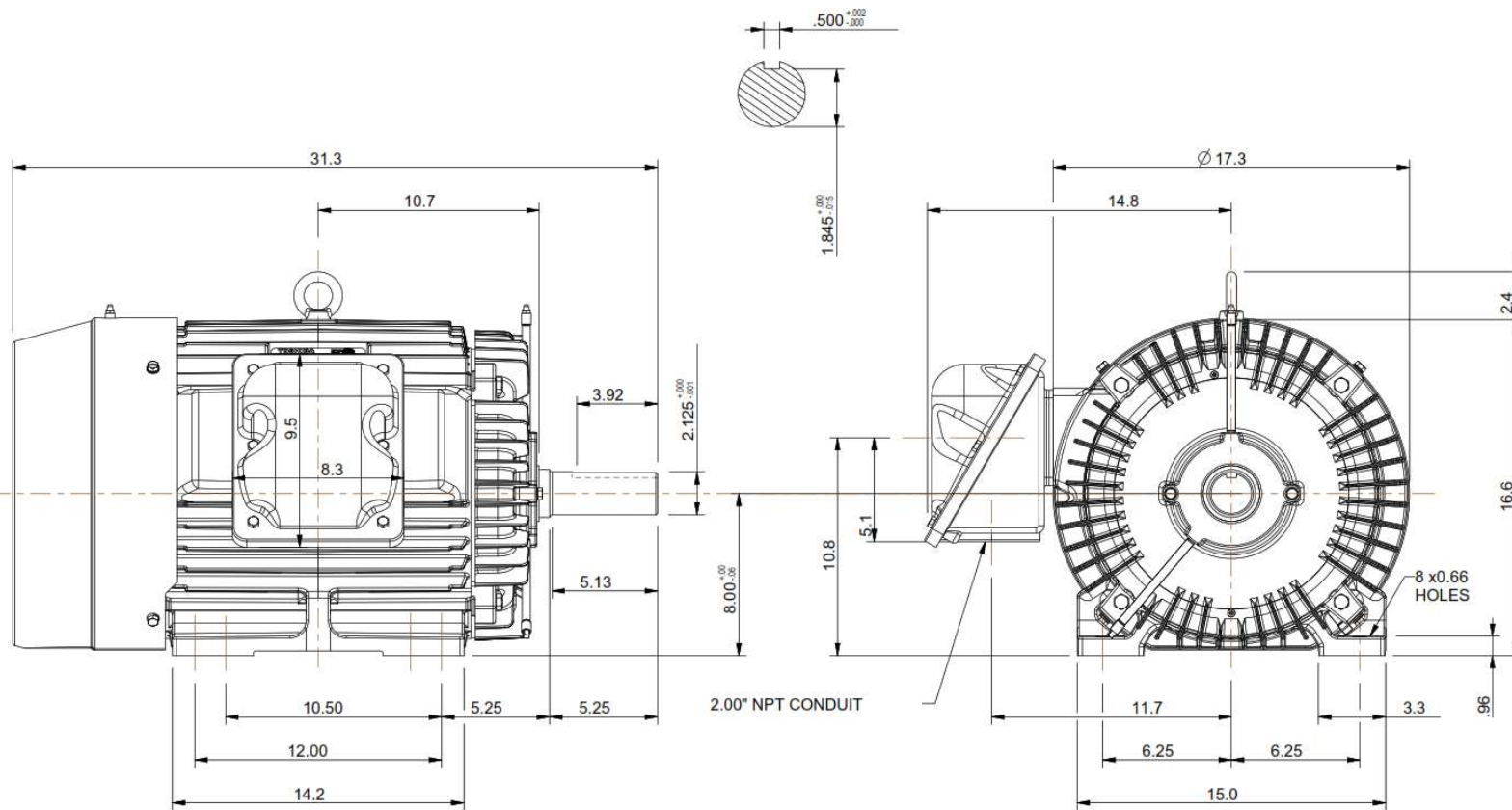
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12 Leads Connection Diagram



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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 #: MNET00404A2TBR	
			Rev. Date: 11/14/2022	Rev. #: 0
			Standard: NEMA	Mount.: F1
			Per.:	LD