



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00506A2TBR

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
50.00	37.00	6	1180	365T	230/460	60	3	120/60
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	50.00	37.00	60.0	94.1	85.2
¾ Load	37.50	28.00	45.7	94.0	82.4
½ Load	25.00	18.60	33.9	93.2	75.2
¼ Load	12.50	9.30	24.7	89.2	53.0
No Load			18.2		4.2
Locked Rotor			360.0		36.3

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
223.00	185.0	165.0	250.0	20.06

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
35 / 15	-	6314ZC3	6312ZC3	834

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00506A2TBR
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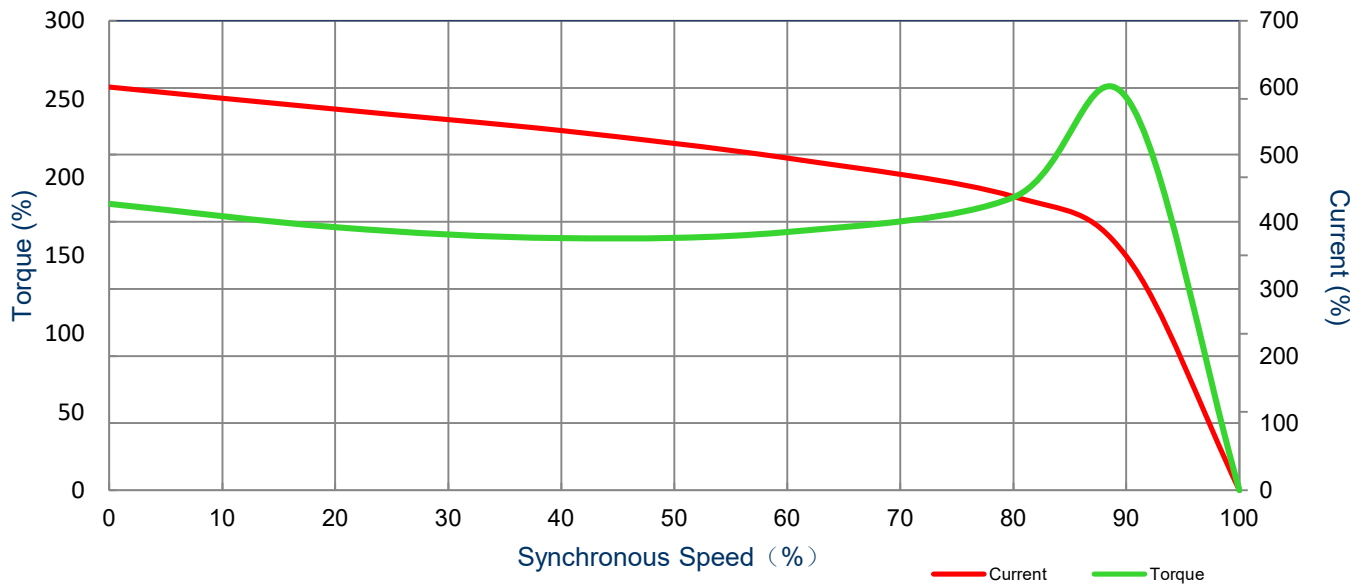
SPEED TORQUE/CURRENT CURVE

Model: MNET00506A2TBR

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50.00	37.00	6	1180	365T	230/460	60	3	120/60
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 (%)			
360.0	20.06	223	185.0	165.0	250.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50.00	37.00	6	980	365T	380	50	3	54
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	93.4	B	E	40 C

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	50.00	37.00	54.0	93.4	83.7
¾ Load	37.50	28.00	42.3	93.4	80.1
½ Load	25.00	18.60	32.0	92.4	71.3
¼ Load	12.50	9.30	24.1	87.8	49.8
No Load			18.7		4.2
Locked Rotor			352.7		45.5

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
268.00	190.0	180.0	265.0	20.06

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
30.8 / 16.3	-	6314ZC3	6312ZC3	834

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

Included Accessories:

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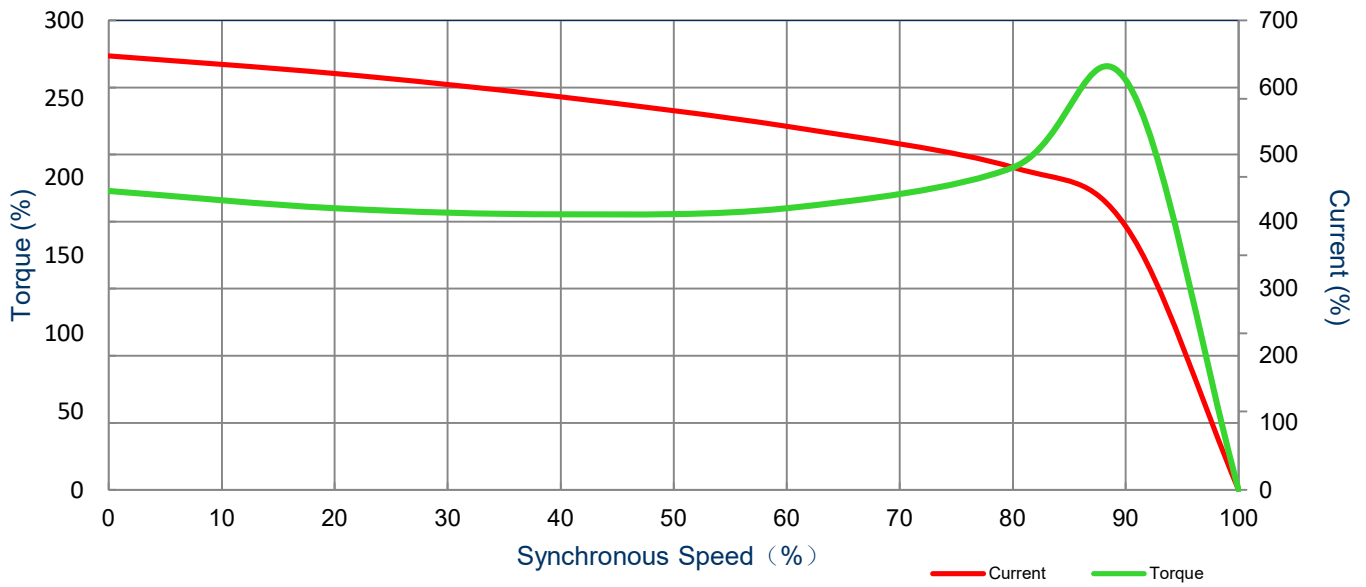
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50.00	37	6	980	365T	380	50	3	54
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	93.4	B	E	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
352.7	20.06	268	190.0	180.0	265.0			



All characteristics are average expected values.

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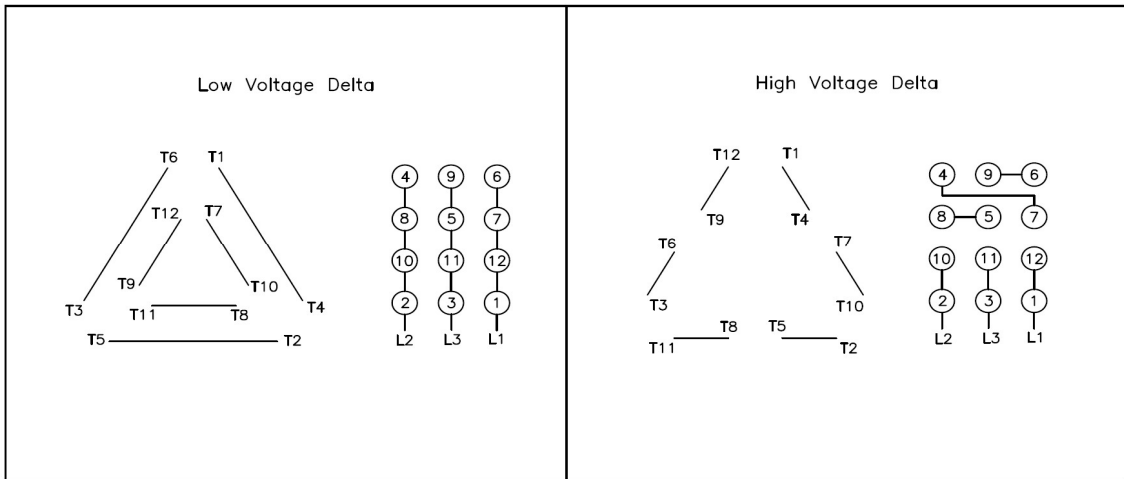
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Motor Connection Diagram

Model: MNET00506A2TBR

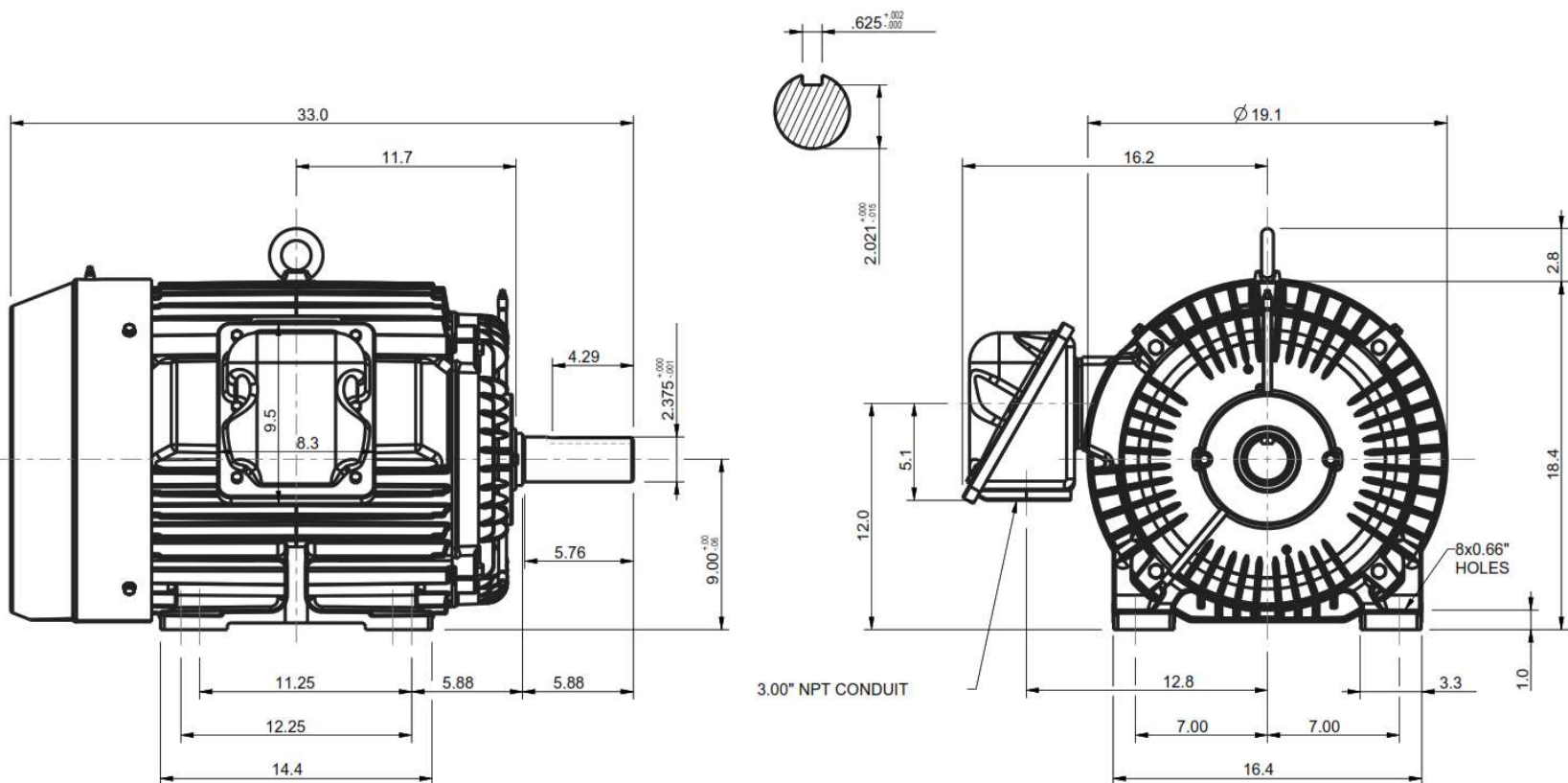
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12 Leads Connection Diagram



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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 #: MNET00506A2TBR			
				Rev. Date:	11/14/2022	Rev. #:	0
		Standard:	NEMA	Mount.:	F1		
		Frame	364T - 365T	Per.:	LD		