



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00306A2TBR

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
30.00	22.00	6	1180	326T	230/460	60	3	74/37
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	93.0	B	G	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	30.00	22.00	37.0	93.3	81.9
¾ Load	22.50	16.80	29.2	93.1	78.0
½ Load	15.00	11.20	22.5	92.0	69.1
¼ Load	7.50	5.60	17.6	85.7	46.5
No Load			14.4		
Locked Rotor			218.0		

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
134.00	240.0	205.0	290.0	12.34

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
35 / 15	-	6312ZC3	6312ZC3	638

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

Included Accessories:

All characteristics are average expected values.

Engineering	Doc. Written By	Doc.# / Rev	MNET00306A2TBR
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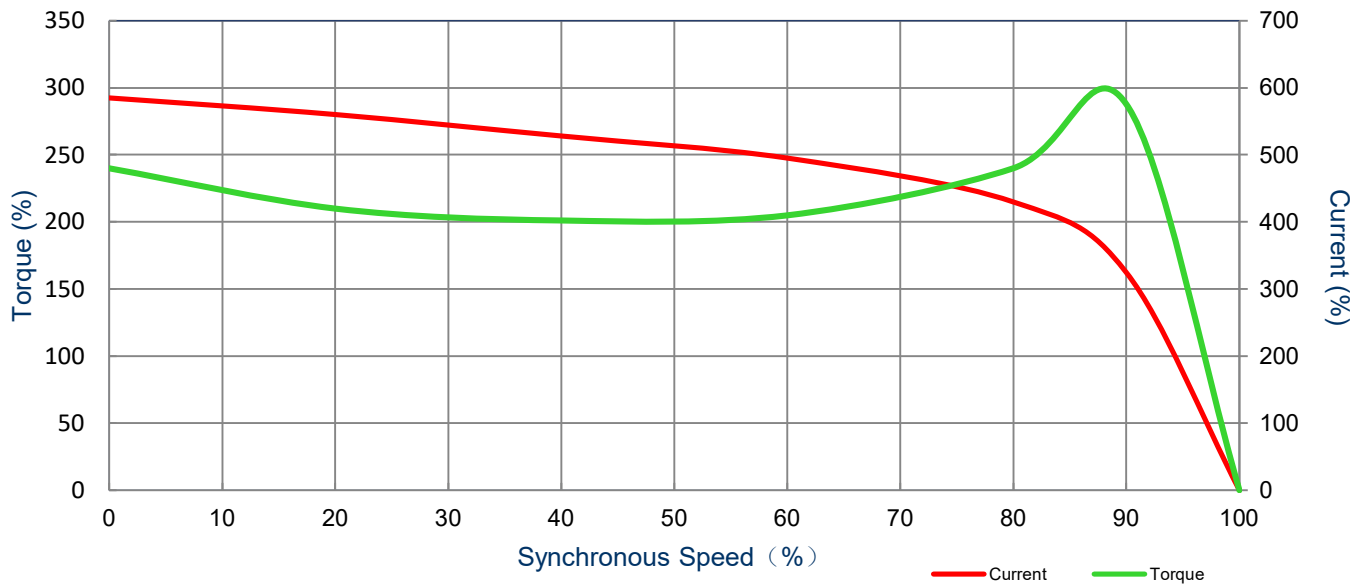
SPEED TORQUE/CURRENT CURVE

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30.00	22.00	6	1180	326T	230/460	60	3	74/37
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	93.0	B	G	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
218.0	12.34	134	240.0	205.0	290.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30.00	22.00	6	970	326T	190/380	50	3	92/46
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	91.7	B	G	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	30.00	22.00	46.0	93	80
¾ Load	22.50	16.80	34.8	93.9	76.3
½ Load	15.00	11.20	26.0	94.1	67.6
¼ Load	7.50	5.60	19.3	85.2	51.7
No Load			13.8		4.6
Locked Rotor			287.0		39.8

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
162.00	165.0	155.0	205.0	12.34

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
37 / 15	-	6312ZC3	6312ZC3	638

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

Included Accessories:

All characteristics are average expected values.

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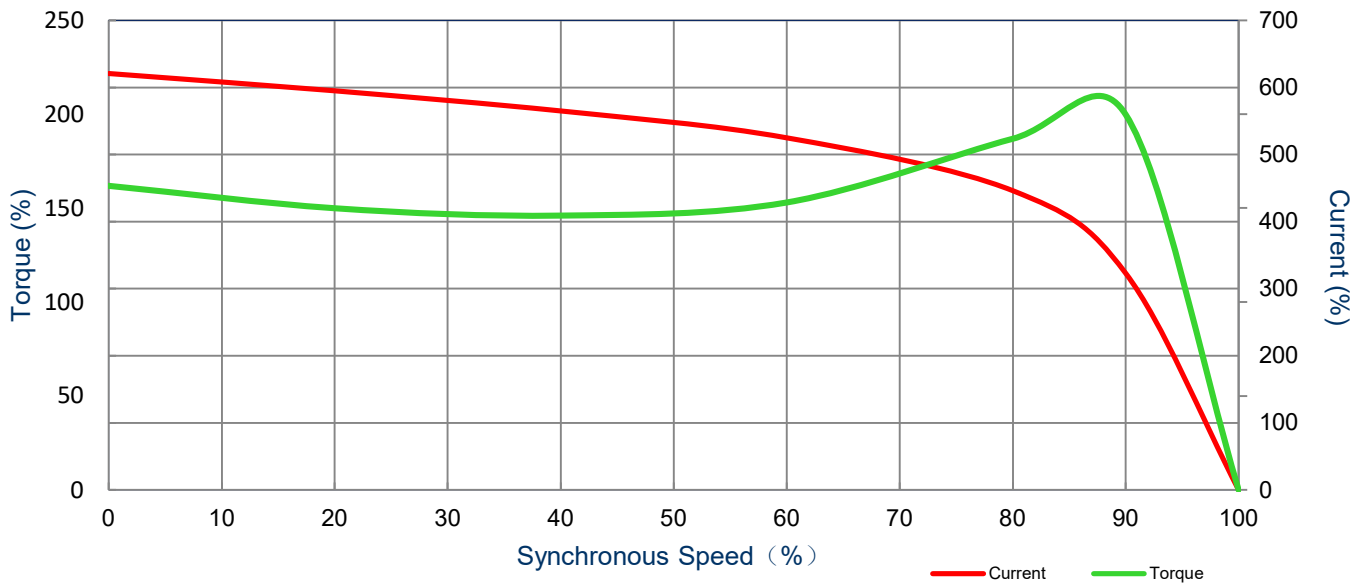
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30.00	22	6	970	326T	190/380	50	3	92/46
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	91.7	B	G	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
287.0	12.34	162	165.0	155.0	205.0			



All characteristics are average expected values.

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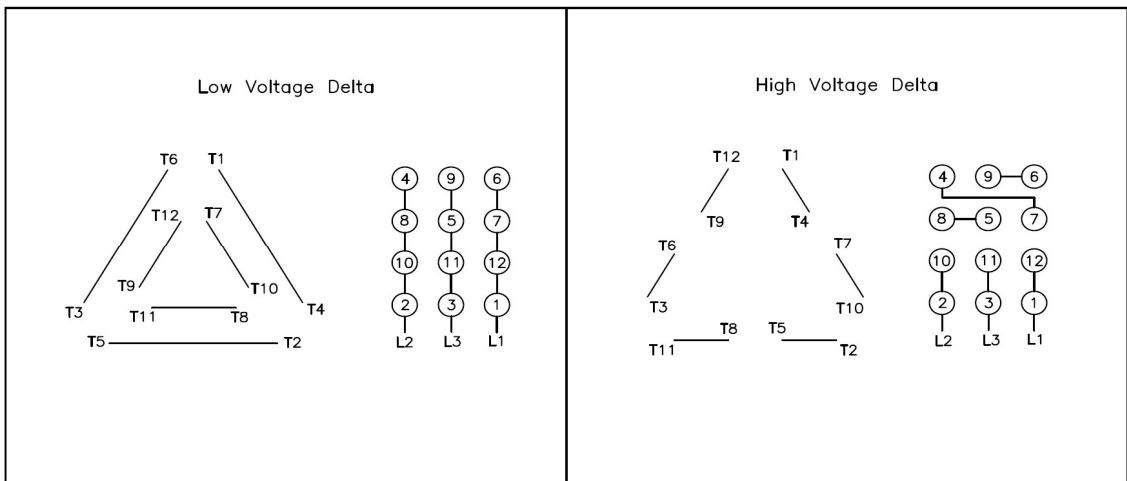
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Motor Connection Diagram

Model: MNET00306A2TBR

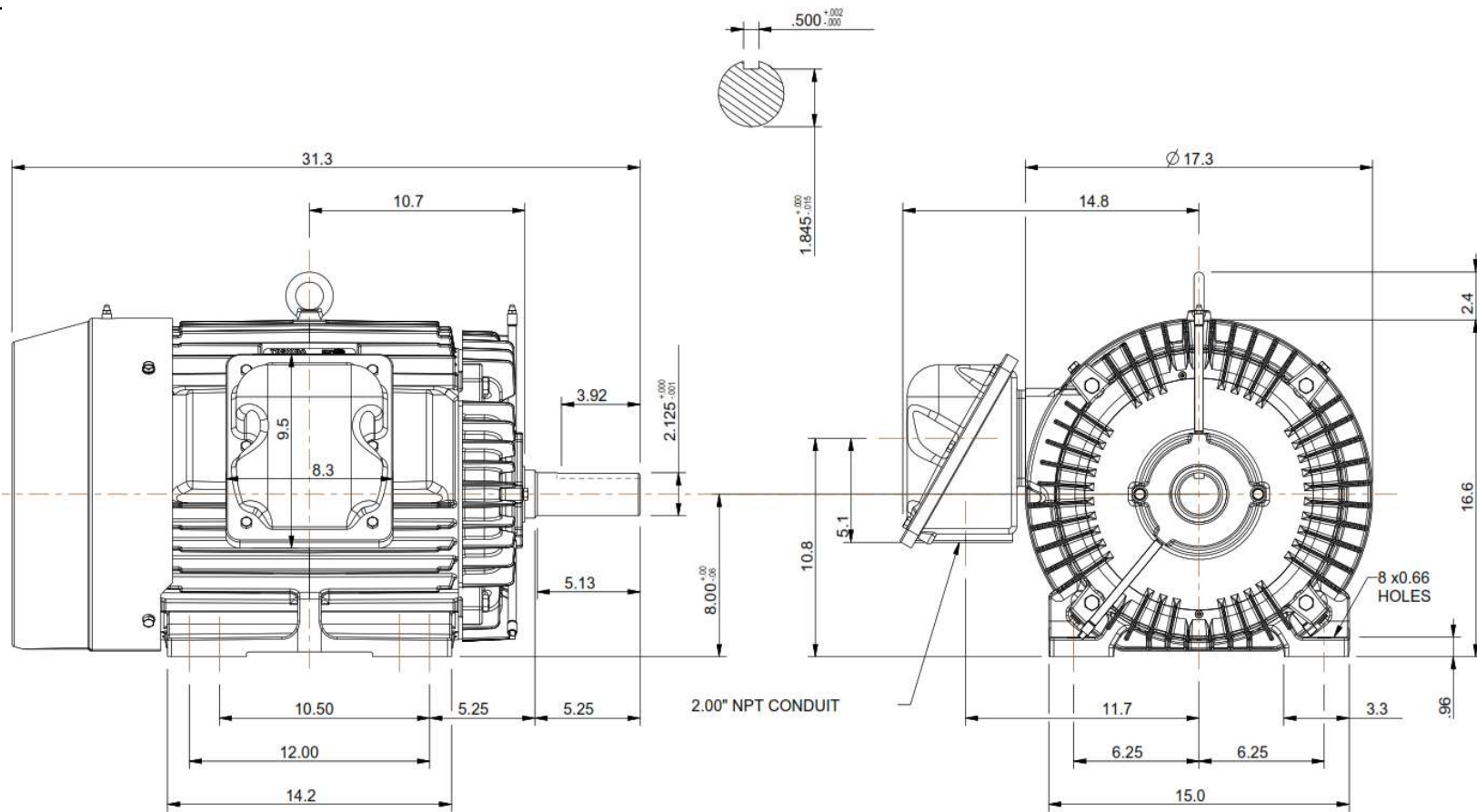
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12 Leads Connection Diagram



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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 #:		MNET00306A2TBR	
			Rev. Date:	11/14/2022	Rev. #:	0
			Standard:	NEMA	Mount.:	F1
			Frame	326T	Per.:	LD