



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00304A2TBR

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	4	1770	286T	230/460	60	3	72/36
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	93.6	B	G	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	30.00	22.00	36.0	93.8	83.6
¾ Load	22.50	16.80	28.0	93.2	80.9
½ Load	15.00	11.20	21.0	91.6	73.7
¼ Load	7.50	5.60	16.4	85.0	50.1
No Load			12.7		0.0
Locked Rotor			217.0		31.6

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
89.00	185.0	165.0	290.0	5.7

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
35 / 15	-	6310ZC3	6310ZC3	461

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

Included Accessories:

All characteristics are average expected values.

Engineering	Doc. Written By	Doc.# / Rev	MNET00304A2TBR
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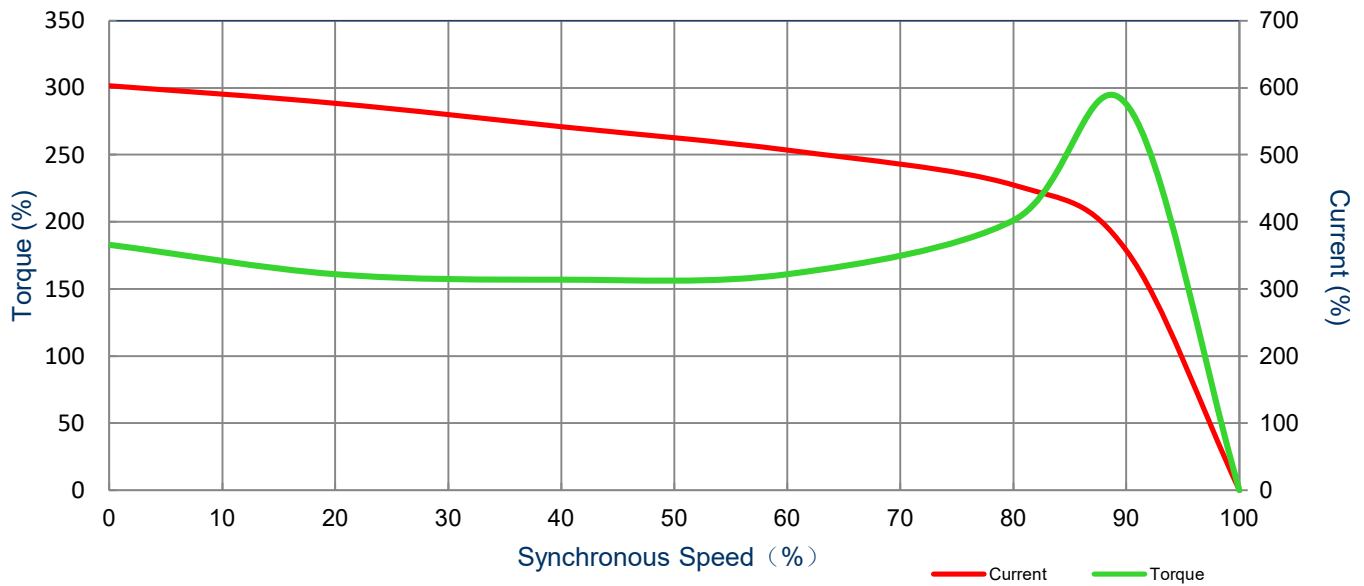
SPEED TORQUE/CURRENT CURVE

Model: MNET00304A2TBR

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30.00	22.00	4	1770	286T	230/460	60	3	72/36
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	93.6	B	G	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
217.0	5.7	89	185.0	165.0	290.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30.00	22.00	4	1460	286T	190/380	50	3	88/44
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	92.4	B	G	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	30.00	22.00	44.0	93.7	83.5
¾ Load	22.50	16.80	33.0	94.4	80.8
½ Load	15.00	11.20	24.0	94.5	73.7
¼ Load	7.50	5.60	17.6	85.7	56.1
No Load			12.9		0
Locked Rotor			256.0		30.7

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
108.00	150.0	125.0	230.0	5.7

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
23 / 10	-	6310ZC3	6310ZC3	461

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

Included Accessories:

All characteristics are average expected values.

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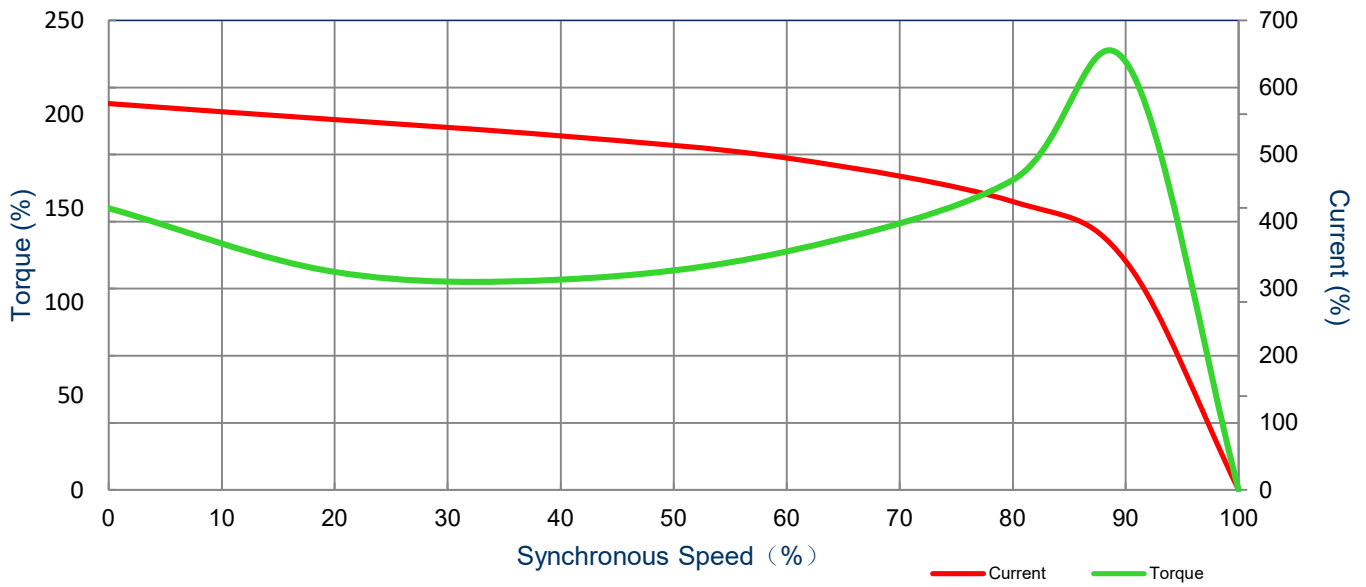
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30.00	22	4	1460	286T	190/380	50	3	88/44
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	92.4	B	G	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
256.0	5.7	108	150.0	125.0	230.0			



All characteristics are average expected values.

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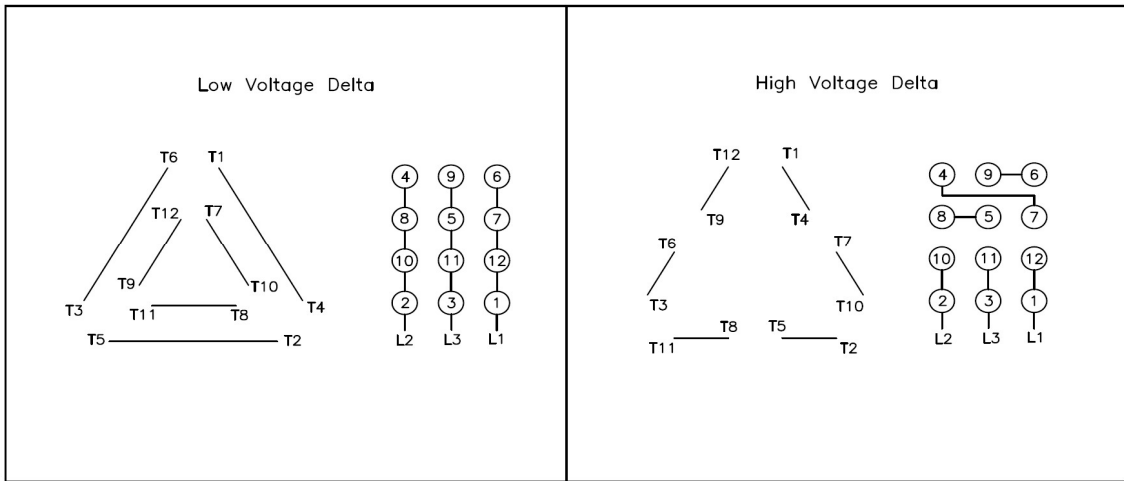
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Motor Connection Diagram

Model: MNET00304A2TBR

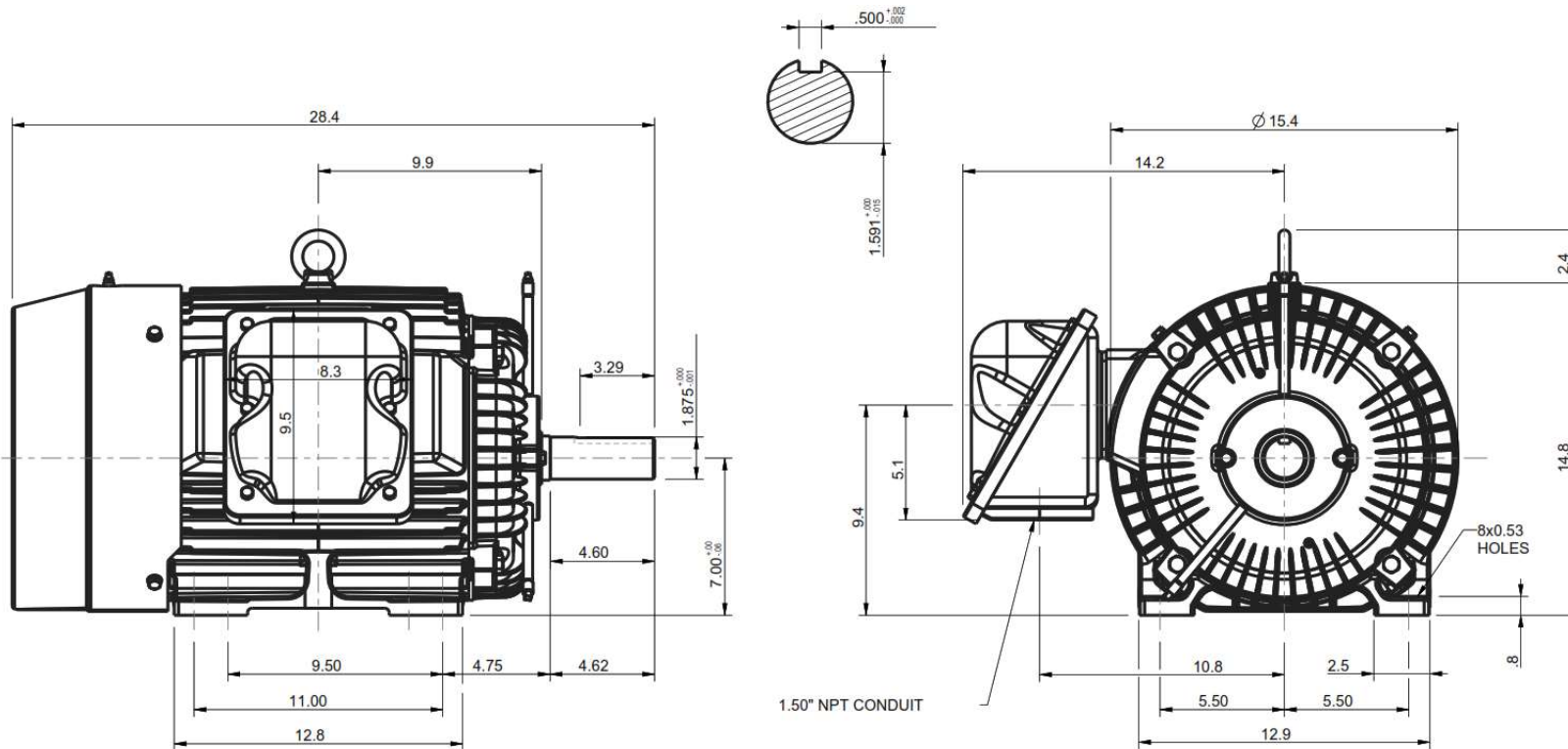
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12 Leads Connection Diagram



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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 #: MNET00304A2TBR			
			Rev. Date:	11/14/2022	Rev. #:	0
			Standard:	NEMA	Mount.:	F1
			Frame	284T - 286T	Per.:	LD