



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00604A2TBR

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
60.00	45.00	4	1775	364T	230/460	60	3	138/69
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	95.0	B	G	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	60.00	45.00	69.0	95.1	87.3
¾ Load	45.00	33.60	52.0	94.6	85.8
½ Load	30.00	22.40	38.0	93.3	81.0
¼ Load	15.00	11.20	26.0	87.9	59.2
No Load			20.0		0.0
Locked Rotor			435.0		25.8

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
178.00	160.0	135.0	270.0	16.8

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
35 / 15	-	6314ZC3	6312ZC3	819

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00604A2TBR
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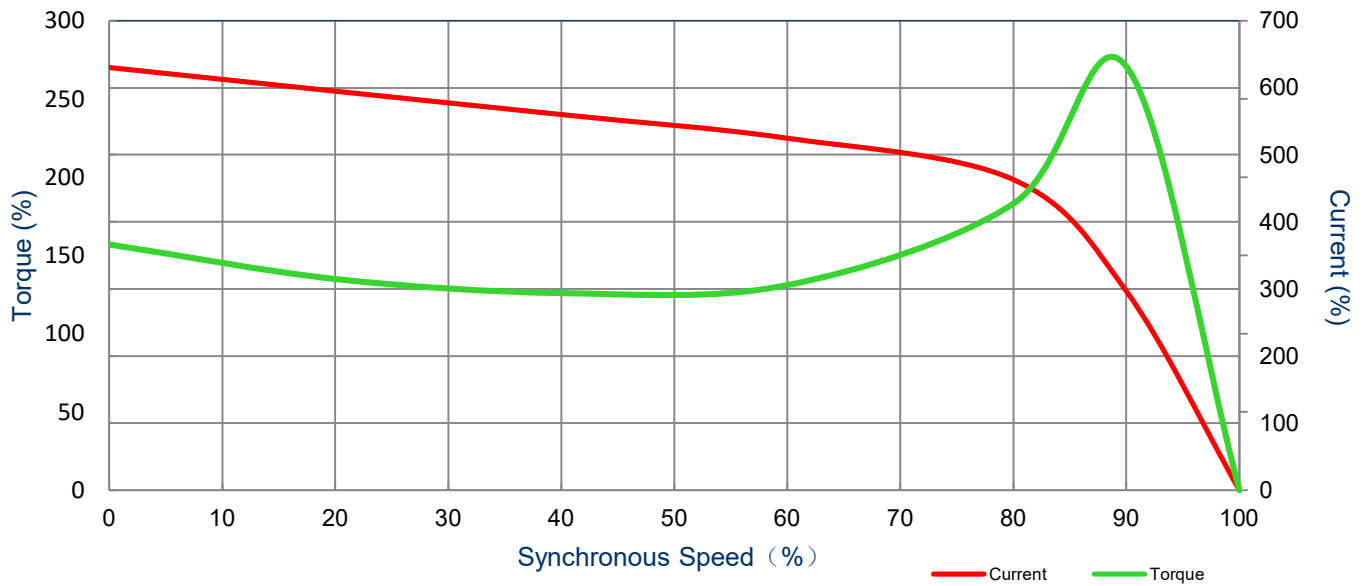
SPEED TORQUE/CURRENT CURVE

Model: MNET00604A2TBR

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60.00	45.00	4	1775	364T	230/460	60	3	138/69
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	95.0	B	G	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
435.0	16.8	178	160.0	135.0	270.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60.00	45.00	4	1470	364T	190/380	50	3	168/84
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	94.1	B	G	40 C

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	60.00	45.00	84.0	94.8	86.5
¾ Load	45.00	33.60	63.0	95.5	85.1
½ Load	30.00	22.40	44.0	95.6	80.4
¼ Load	15.00	11.20	29.0	89.1	64.7
No Load			19.3		0
Locked Rotor			515.0		26.3

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
214.00	140.0	125.0	220.0	16.8

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
23 / 9	-	6314ZC3	6312ZC3	819

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

Included Accessories:

All characteristics are average expected values.

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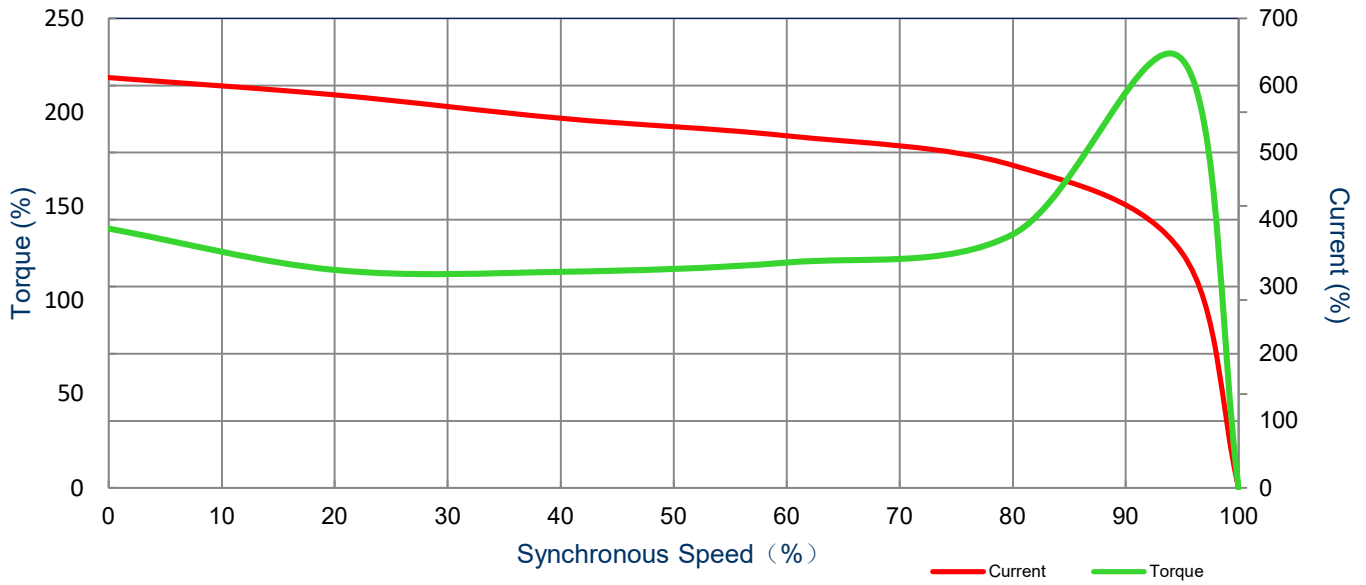
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60.00	45	4	1470	364T	190/380	50	3	168/84
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	94.1	B	G	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
515.0	16.8	214	140.0	125.0			220.0	



All characteristics are average expected values.

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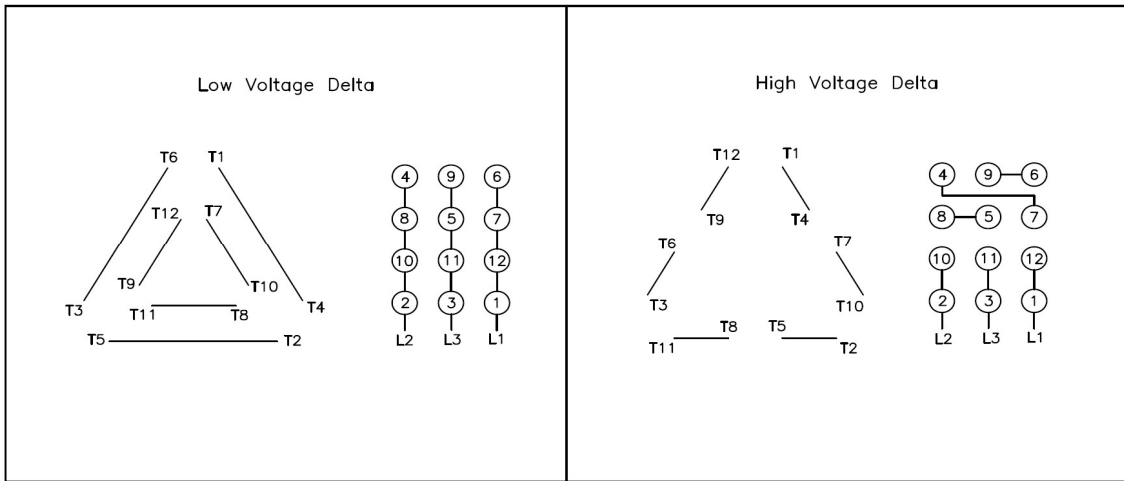
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Motor Connection Diagram

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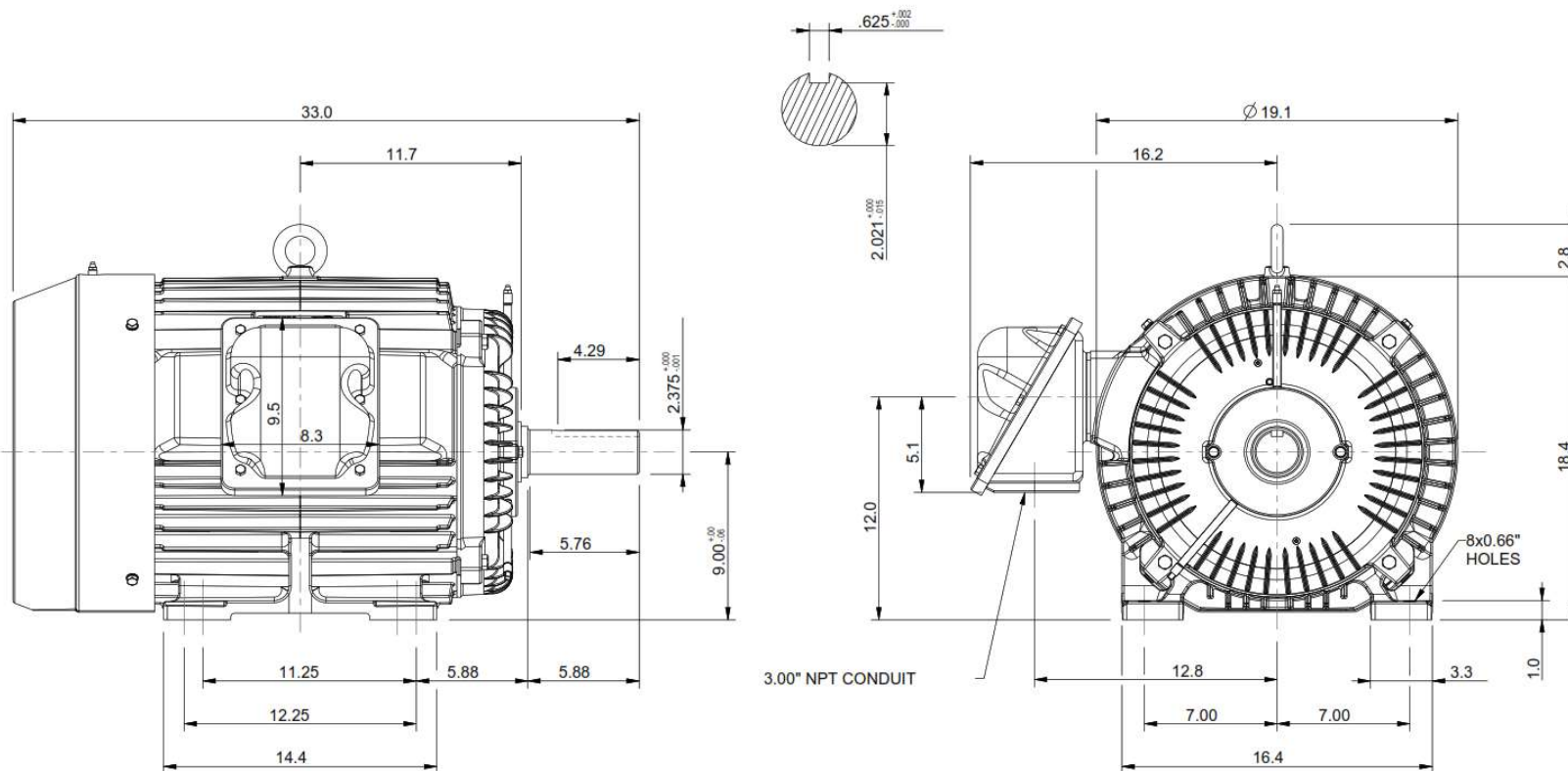
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12 Leads Connection Diagram



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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 #: MNET00604A2TBR			
			Rev. Date:	11/14/2022	Rev. #:	0
			Standard:	NEMA	Mount.:	F1
			Frame	364T - 365T	Per.:	LD