



TYPICAL MOTOR PERFORMANCE DATA

Model: MNET07X52A2TBR

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
7.50	5.50	2	3500	213T	230/460	60	3	18/9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	89.5	B	H	40 C

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7.50	5.50	9.0	90.1	88.5
¾ Load	5.63	4.20	6.8	89.8	86.1
½ Load	3.75	2.80	5.0	88.0	79.6
¼ Load	1.88	1.40	3.5	80.6	60.7
No Load			2.4		9.2
Locked Rotor			60.0		45.7

Torque				Rotor Inertia
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(lb-ft²)
11.30	230.0	215.0	320.0	0.46

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
19.9 / 11.2	-	6308ZC3	6308ZC3	168

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET07X52A2TBR
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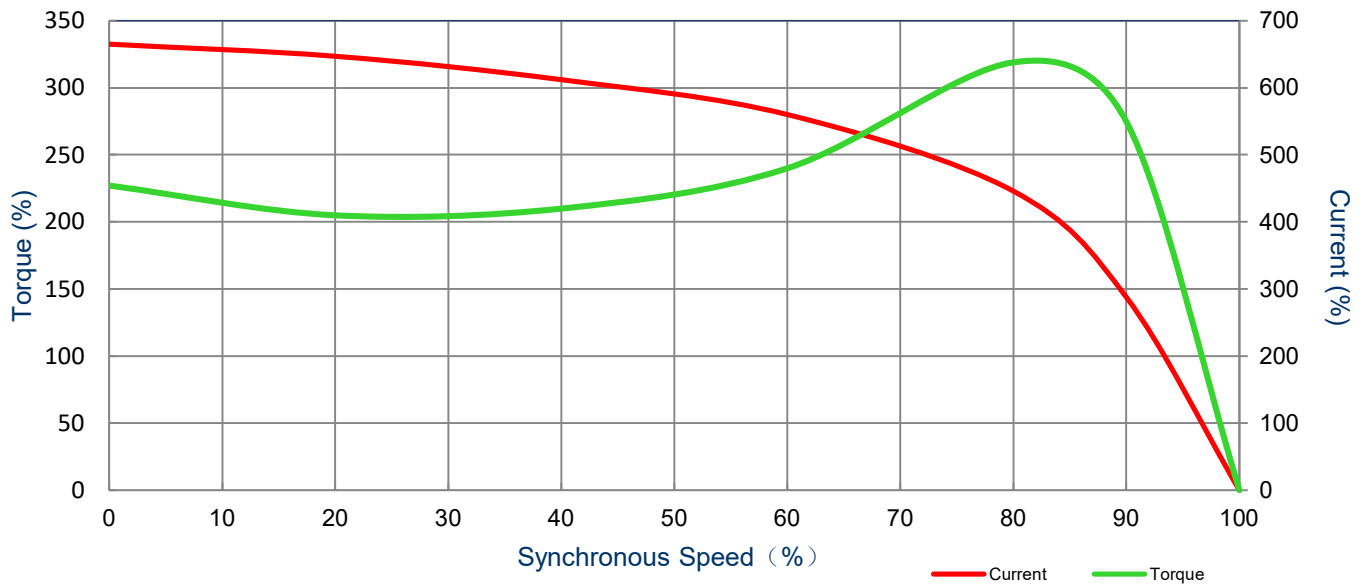
SPEED TORQUE/CURRENT CURVE

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7.50	5.50	2	3500	213T	230/460	60	3	18/9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	89.5	B	H	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
60.0	0.46	11.3	230.0	215.0	320.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.50	2	2860	213T	190/380	50	3	22/11.0
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	86.5	B	H	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7.50	5.50	11.0	90.6	86.5
¾ Load	5.63	4.20	8.3	91.3	84.4
½ Load	3.75	2.80	5.8	90.8	78.5
¼ Load	1.88	1.40	3.8	80.5	68.1
No Load			2.4		8.4
Locked Rotor			75.0		49.5

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
13.80	155.0	145.0	215.0	0.46

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
14 / 6	-	6308ZZC3	6308ZZC3	168

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

Included Accessories:

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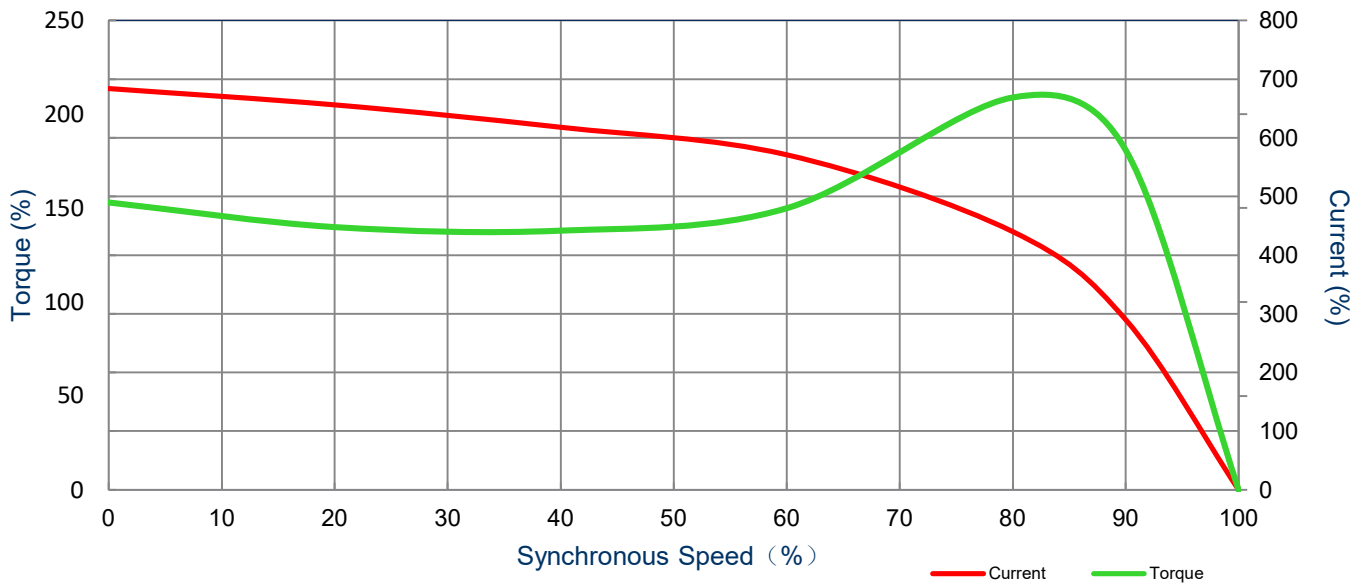
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.5	2	2860	213T	190/380	50	3	22/11.0
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	86.5	B	H	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
75.0	0.46	13.8	155.0	145.0	215.0			



All characteristics are average expected values.

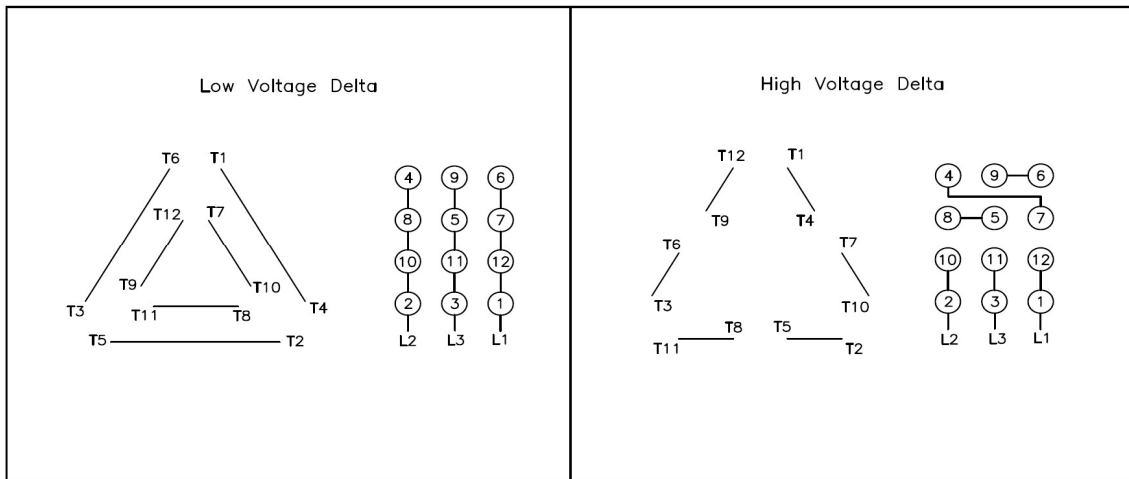
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Motor Connection Diagram

Model: MNET07X52A2TBR

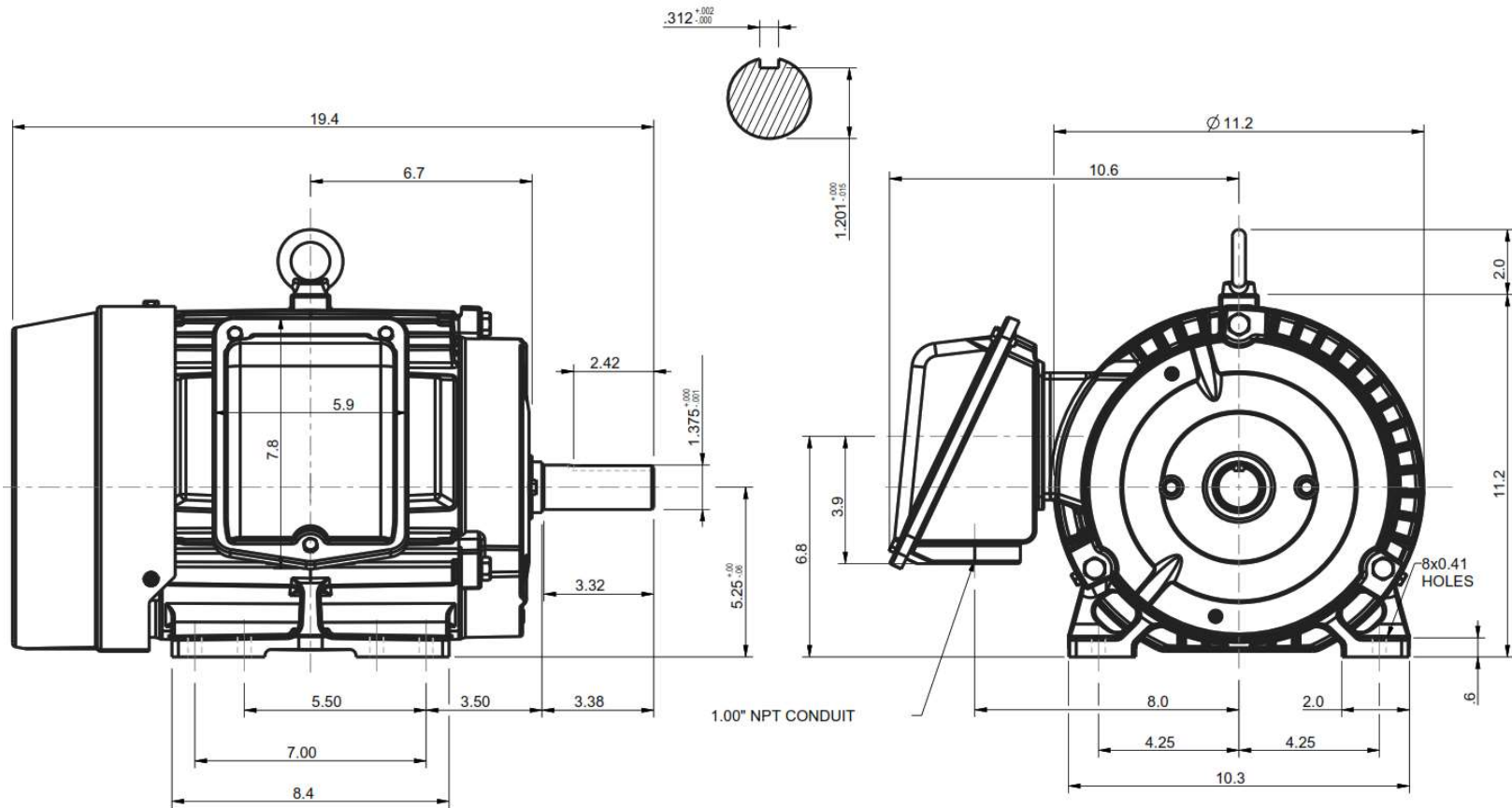
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12 Leads Connection Diagram



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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 #: MNET07X52A2TBR			
			Rev. Date:	11/14/2022	Rev. #:	0
			Standard:	NEMA	Mount.:	F1
			Frame	213T-215T	Per.:	LD