



## TYPICAL MOTOR PERFORMANCE DATA

Model: MNET07X56A2TBR

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	6	1170	254T	230/460	60	3	19.7/9.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	91.0	B	H	40 C

\* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7.50	5.50	9.8	90.8	78.4
¾ Load	5.63	4.20	8.0	90.3	72.3
½ Load	3.75	2.80	6.5	88.3	60.6
¼ Load	1.88	1.40	5.5	80.6	39.1
No Load			4.6		5.7
Locked Rotor			63.0		47.1

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
33.70	255.0	240.0	315.0	2.16

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
35 / 15	-	6309ZZC3	6309ZZC3	281

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET07X56A2TBR
Engr. Date		Doc. Approved By		Doc. Issued	



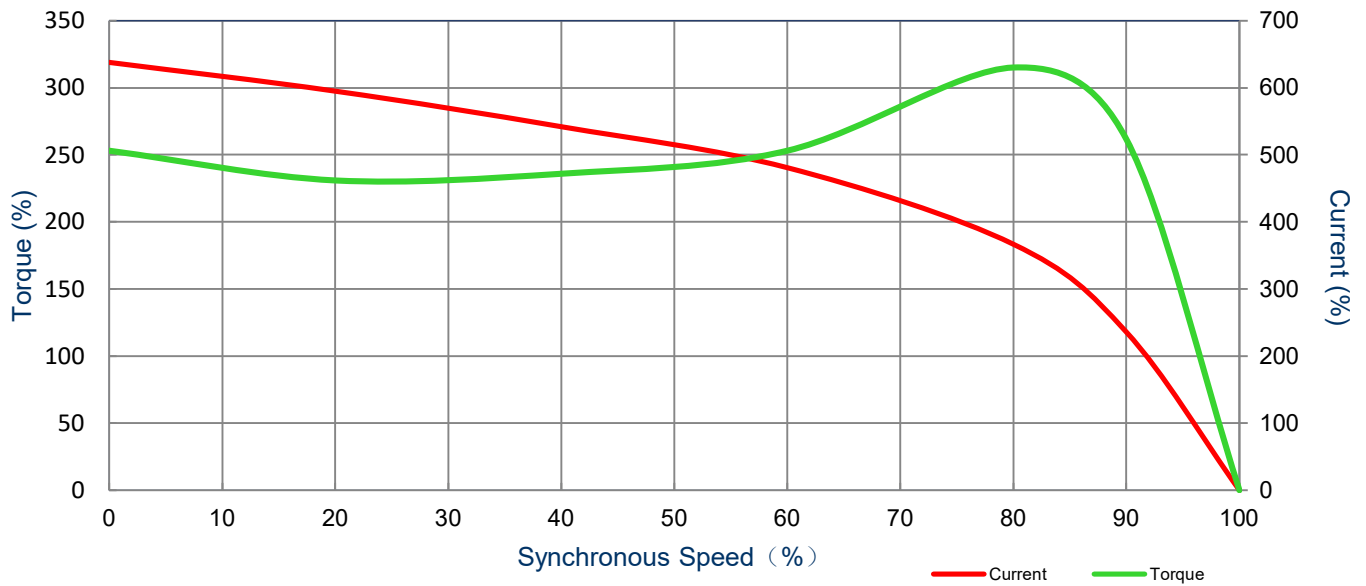
## SPEED TORQUE/CURRENT CURVE

Model: MNET07X56A2TBR

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<b>Issued Date</b>	11/14/2022	<b>Doc. #</b>	390-R0
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<b>HP</b>	<b>kW</b>	<b>Pole</b>	<b>FL RPM</b>	<b>Frame</b>	<b>Voltage</b>	<b>Hz</b>	<b>Phase</b>	<b>FL Amps</b>
7.50	5.50	6	1170	254T	230/460	60	3	19.7/9.9
<b>Enclosure</b>	<b>IP</b>	<b>Ins. Class</b>	<b>S.F.</b>	<b>Duty</b>	<b>Nom. Eff.</b>	<b>Nema Design</b>	<b>kVA Code</b>	<b>Ambient Temp. (°C)</b>
TEFC	55	F (*)	1.15	CONT	91.0	B	H	40 C
<b>Locked Rotor Amps</b>	<b>Rotor Inertia (lb-ft<sup>2</sup>)</b>	<b>Torque</b>						
		<b>Full Load (lb-ft)</b>	<b>Locked Rotor (%)</b>	<b>Pull Up (%)</b>	<b>Break Down (%)</b>			
		63.0	2.16	33.7	255.0	240.0	315.0	



All characteristics are average expected values.

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.50	6	960	254T	190/380	50	3	24/12.2
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	88.5	B	H	40 C

\* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7.50	5.50	12.2	91	74.5
¾ Load	5.63	4.20	9.2	91.2	69.9
½ Load	3.75	2.80	7.1	90.2	60.1
¼ Load	1.88	1.40	4.9	82.8	52.4
No Load			4.5		5.5
Locked Rotor			75.0		49.4

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
41.00	200.0	170.0	240.0	2.16

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
		DE	NDE	
26 / 17	-	6309ZZC3	6309ZZC3	281

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

**Included Accessories:**

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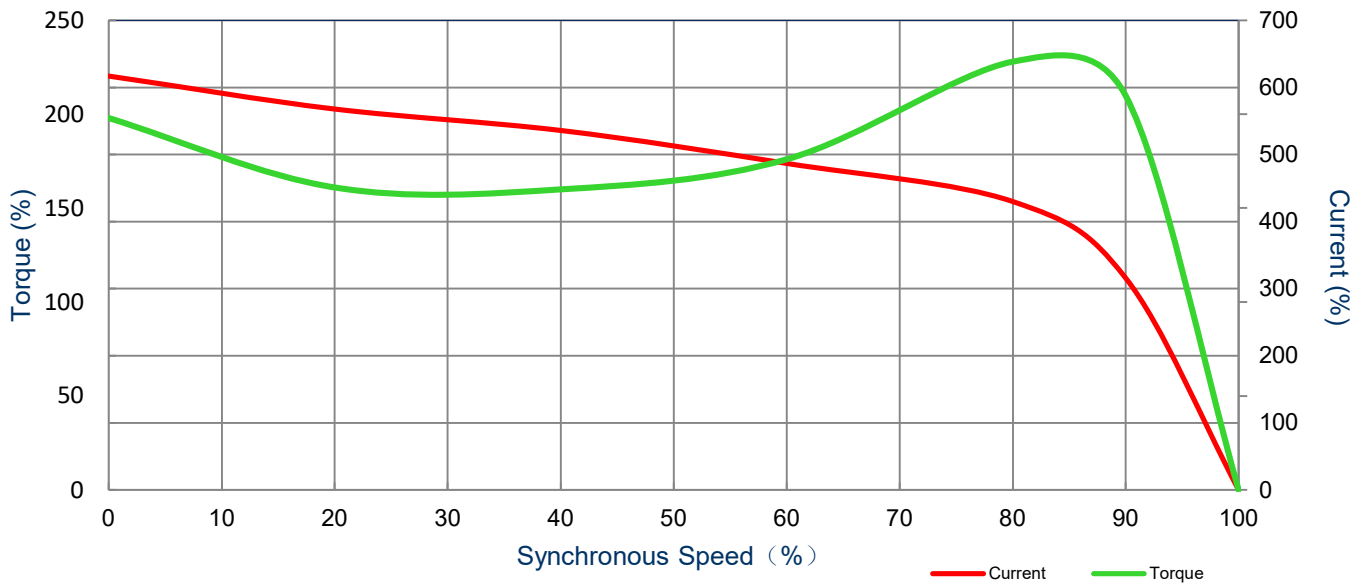
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.5	6	960	254T	190/380	50	3	24/12.2
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.0	CONT	88.5	B	H	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
75.0	2.16	41	200.0	170.0	240.0			



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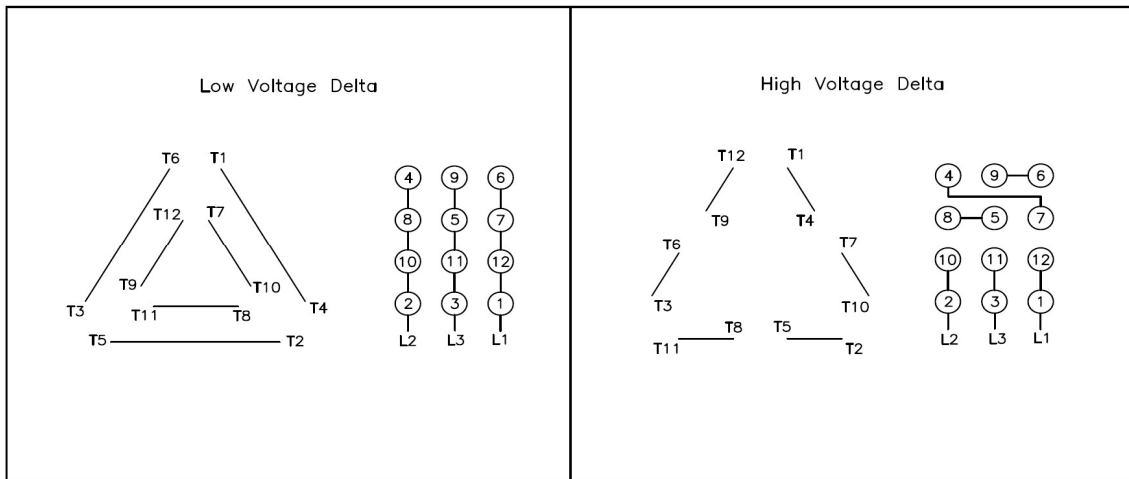
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## Motor Connection Diagram

Model: MNET07X56A2TBR

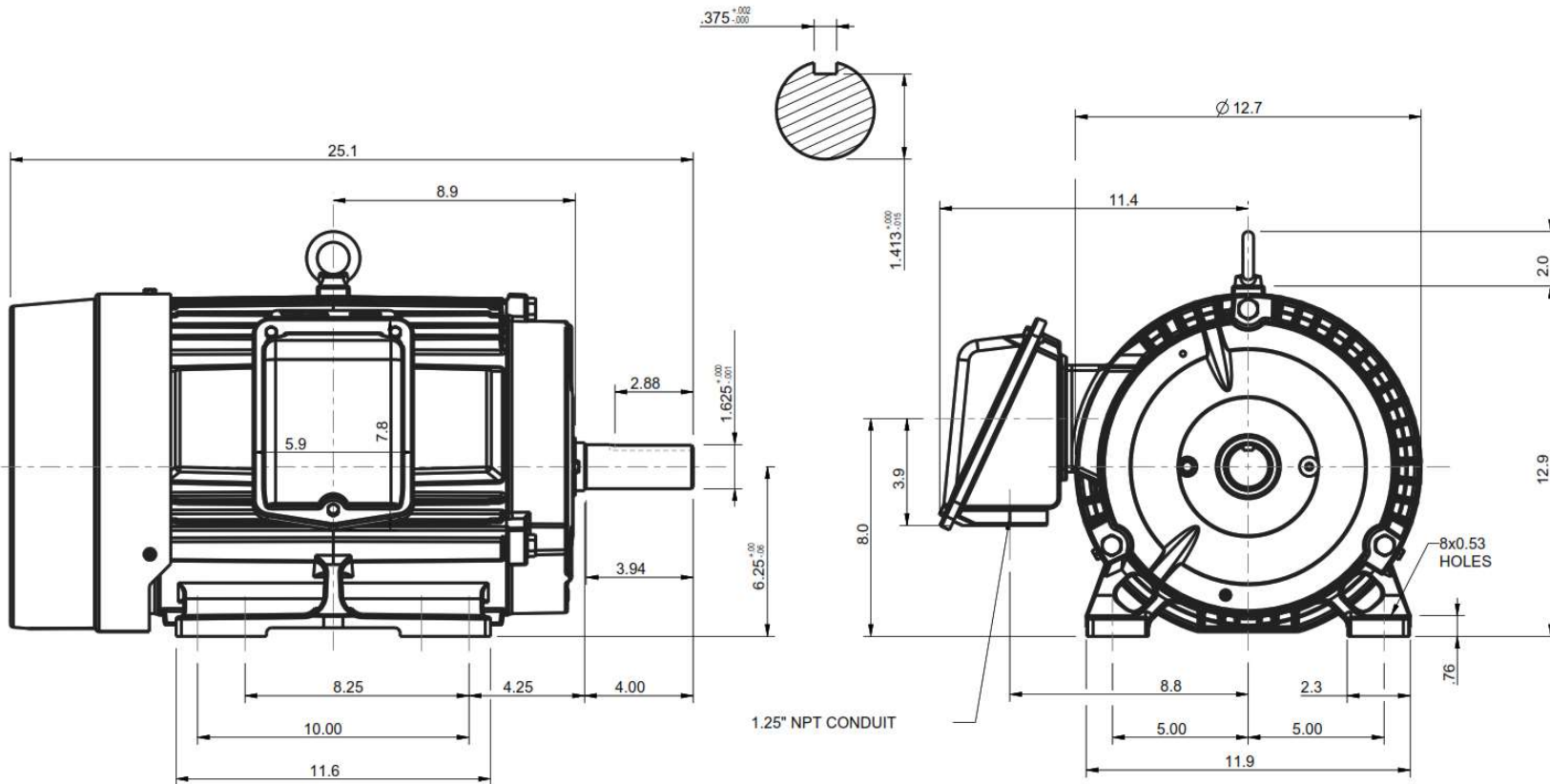
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## 12 Leads Connection Diagram



All characteristics are average expected values.

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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.	
 <b>X</b>				
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DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED			<b>X</b>	CERTIFIED
		<b>TOTALLY ENCLOSED FAN COOLED          HORIZONTAL FOOT MOUNTED          3 PHASE INDUCTION MOTOR</b>	<b>Drawing #:</b> MNET07X56A2TBR	
			<b>Rev. Date:</b> 11/14/2022	<b>Rev. #:</b> 0
			<b>Standard:</b> NEMA	<b>Mount.:</b> F1
			<b>Frame</b> 254T-256T	<b>Per.:</b> LD