



## TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00402A2SBR

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
40.00	30.00	2	3540	324TS	230/460	60	3	94/47
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	92.4	B	G	40 C

\* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	40.00	30.00	47.0	92.5	87.7
¾ Load	30.00	22.40	35.5	91.6	85.9
½ Load	20.00	14.90	25.8	89.4	80.8
¼ Load	10.00	7.50	17.8	83.8	62.8
No Load			12.0		7.9
Locked Rotor			290.0		43.9

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
59.30	265.0	225.0	275.0	5.74

Safe Stall Time(s)  Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight  (lbs)
		DE	NDE	
35 / 15	-	6312ZC3	6312ZC3	640

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00402A2SBR
Engr. Date		Doc. Approved By		Doc. Issued	



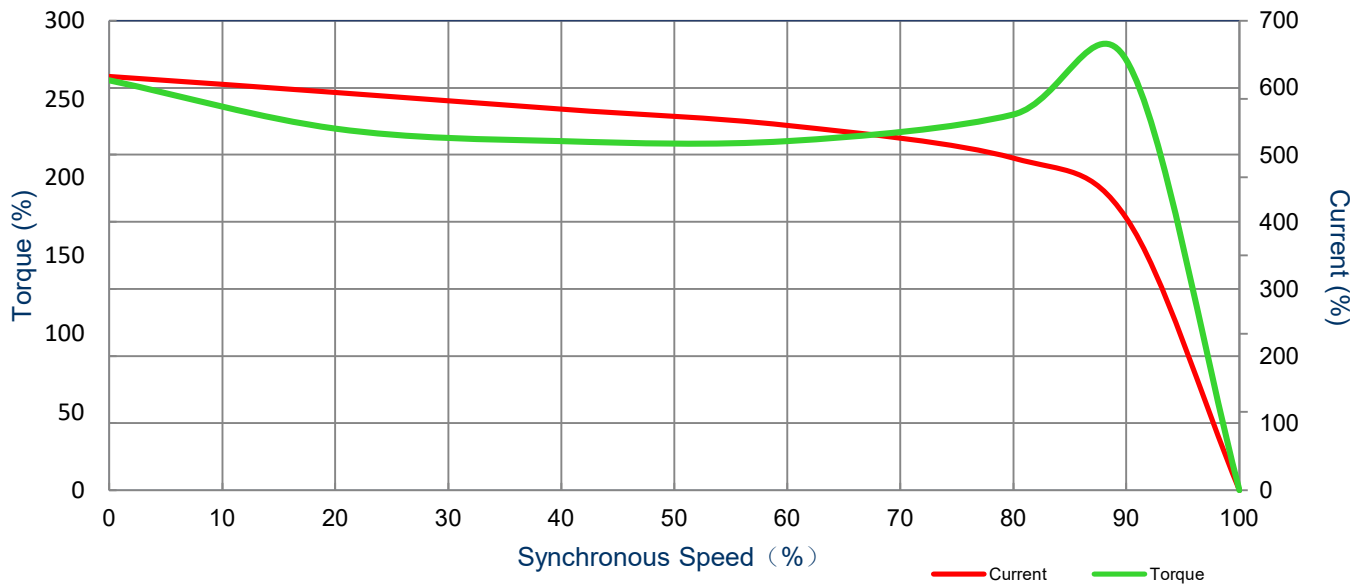
## SPEED TORQUE/CURRENT CURVE

Model: MNET00402A2SBR

Serie: NEMA Elite

<b>Issued Date</b>	11/14/2022	<b>Doc. #</b>	390-R0
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40.00	30.00	2	3540	324TS	230/460	60	3	94/47
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	CONT	92.4	B	G	40 C
Locked Rotor Amps	Rotor Inertia (lb-ft <sup>2</sup> )	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
290.0	5.74	59.3	265.0	225.0	275.0			



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40.00	30.00	2	2930	324TS	190/380	50	3	114/57
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.2	CONT	91.0	B	E	40 C

\* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	40.00	30.00	57.0	93.1	87
¾ Load	30.00	22.40	43.1	93.6	85.3
½ Load	20.00	14.90	30.4	93.3	80.2
¼ Load	10.00	7.50	19.6	84.1	68.7
No Load			11.5		6.9
Locked Rotor			300.8		38.5

Torque				Rotor Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
71.70	175.0	155.0	215.0	5.74

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold / Hot		DE	NDE	
23 / 9	-	6312ZC3	6312ZC3	640

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

**Included Accessories:**

All characteristics are average expected values.

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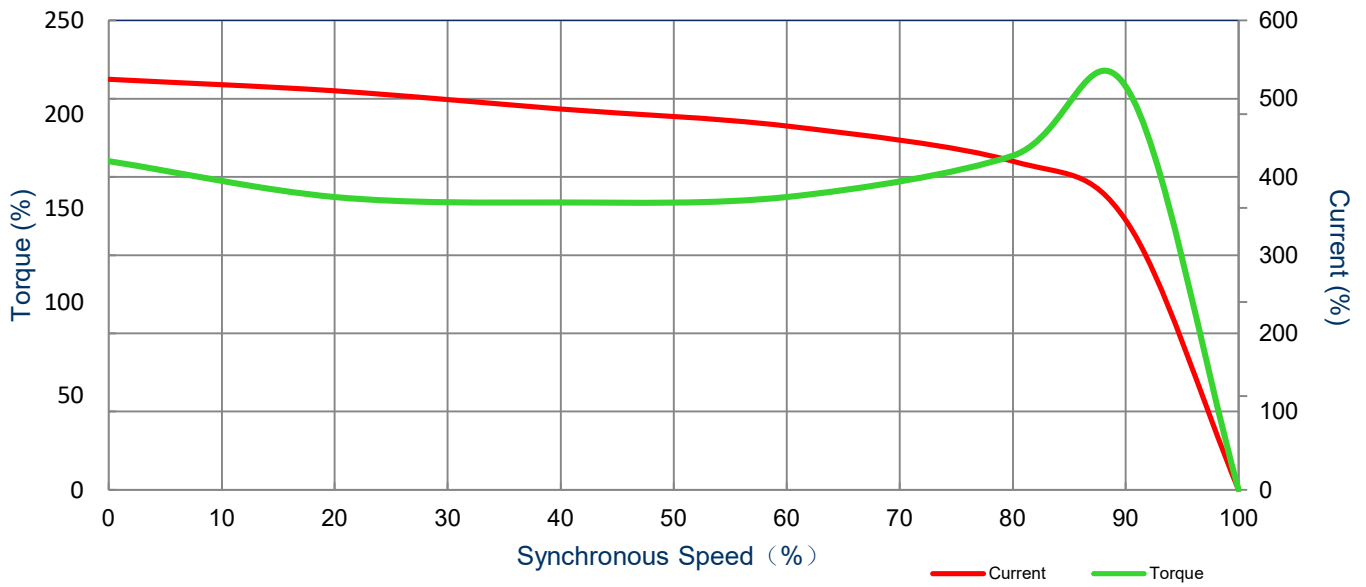
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40.00	30	2	2930	324TS	190/380	50	3	114/57
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Nema Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.2	CONT	91.0	B	E	40 C
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque				Pull Up (%)	Break Down (%)	
		Full Load (lb-ft)	Locked Rotor (%)					
300.8	5.74	71.7	175.0		155.0	215.0		



All characteristics are average expected values.

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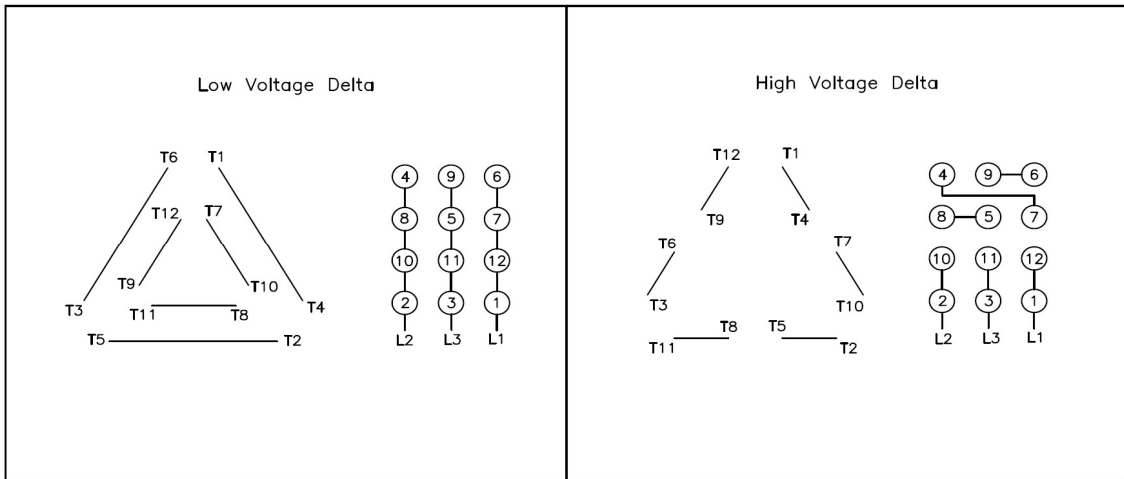
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## Motor Connection Diagram

Model: MNET00402A2SBR

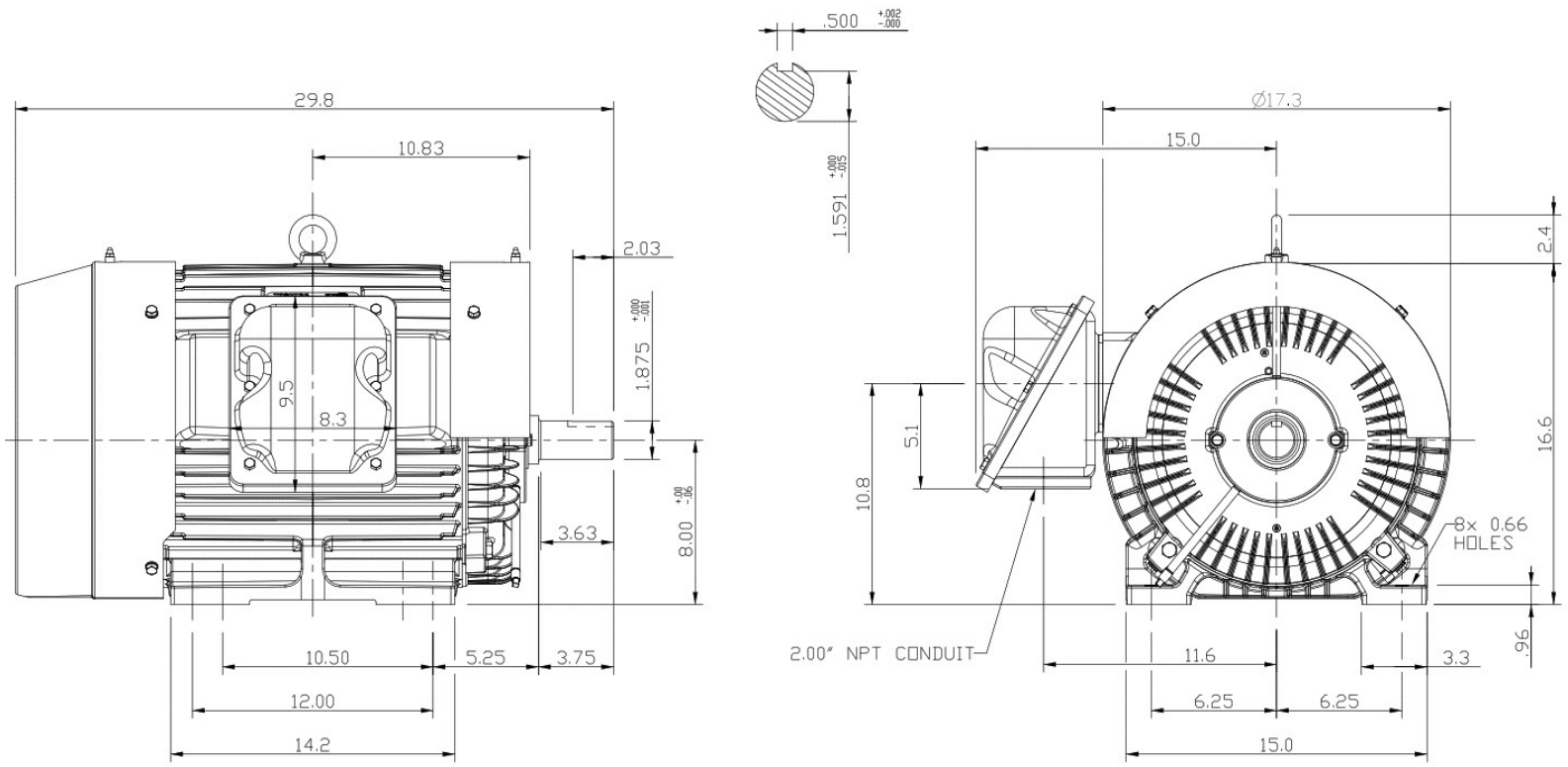
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## 12 Leads Connection Diagram



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<b>Units: inches</b>	
<b>ROTATION FROM NDE</b>	
<b>CCW</b>	<b>CW</b>
<b>X</b>	

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**Notes:**  
 1. MAIN CONDUIT BOX MAY BE ROTATED IN 90 DEGREE INCREMENTS  
 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.

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 DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED X CERTIFIED



<b>TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR</b>		<b>Drawing #:</b>		<b>MNET00402A2SBR</b>	
		<b>Rev. Date:</b>	11/14/2022	<b>Rev. #:</b>	0
		<b>Standard:</b>	NEMA	<b>Mount.:</b>	F1
<b>Frame</b>	324TS-326TS	<b>Per.:</b>	LD		