Issued Date	11/14/2022	Doc. #	390-R0
Issued By	LD	Issued Rev	0

Tashida

TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00052A2TBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5.00	3.70	2	3500	184T	230/460	60	3	11.6/5.8
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.15	CONT	88.5	B	J	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	5.00	3.70	5.8	88.7	91.8
¾ Load	3.75	2.80	4.4	88.8	90.3
½ Load	2.50	1.90	3.1	87.5	85.7
¼ Load	1.25	0.90	2.2	81.4	65.1
No Load			1.4		10.5
Locked Rotor			46.0		56.9

Torque				Rotor Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
7.50	215.0	185.0	340.0	0.2

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold / Hot		**DE**	**NDE**	**(lbs)**
35 / 15	-	6306ZZC3	6306ZZC3	99

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00052A2TBR
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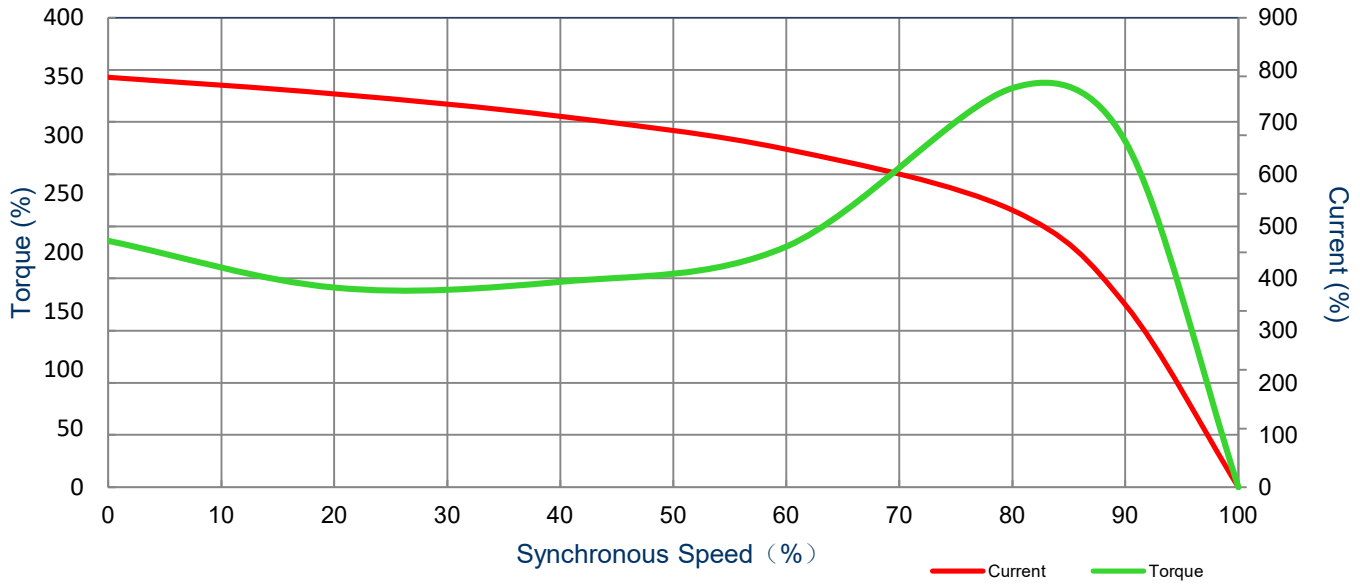
Tashida

SPEED TORQUE/CURRENT CURVE

Model: MNET00052A2TBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5.00	3.70	2	3500	184T	230/460	60	3	11.6/5.8
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.15	CONT	88.5	B	J	40 C

Locked Rotor Amps	Rotor Inertia (lb-ft2)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
46.0	0.2	7.5	215.0	185.0	340.0



All characteristics are average expected values.

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Tashida

TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00052A2TBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5.00	3.70	2	2860	184T	190/380	50	3	14.8/7.4
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.0	CONT	85.5	B	J	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	5.00	3.70	7.4	90.6	89
¾ Load	3.75	2.80	5.4	91.4	87.5
½ Load	2.50	1.90	3.8	91	83.1
¼ Load	1.25	0.90	2.4	80.3	72
No Load			1.4		8.7
Locked Rotor			55.0		68.8

Torque				Rotor Inertia
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(lb-ft²)
9.18	180.0	155.0	220.0	0.2

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold / Hot		DE	NDE	(lbs)
17 / 4	-	6306ZZC3	6306ZZC3	99

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

Included Accessories:

All characteristics are average expected values.

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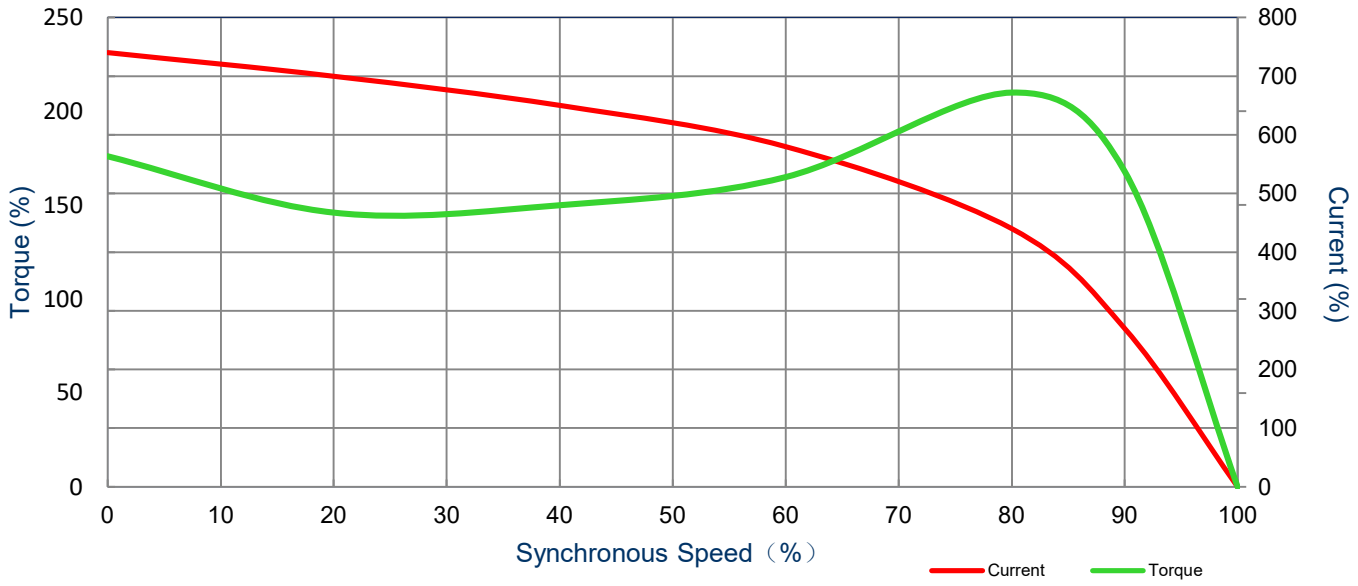
Tashida

SPEED TORQUE/CURRENT CURVE

Model: MNET00052A2TBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5.00	3.7	2	2860	184T	190/380	50	3	14.8/7.4
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.0	CONT	85.5	B	J	40 C

Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
55.0	0.2	9.18	180.0	155.0	220.0



All characteristics are average expected values.

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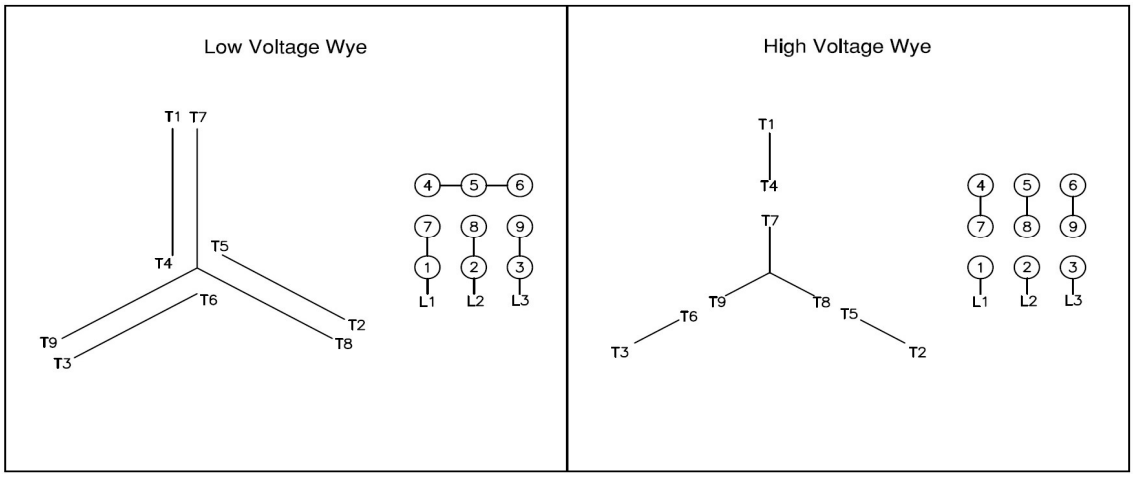
Motor Connection Diagram

Model: MNET00052A2TBR **Serie:** NEMA Elite

9 Leads Connection Diagram



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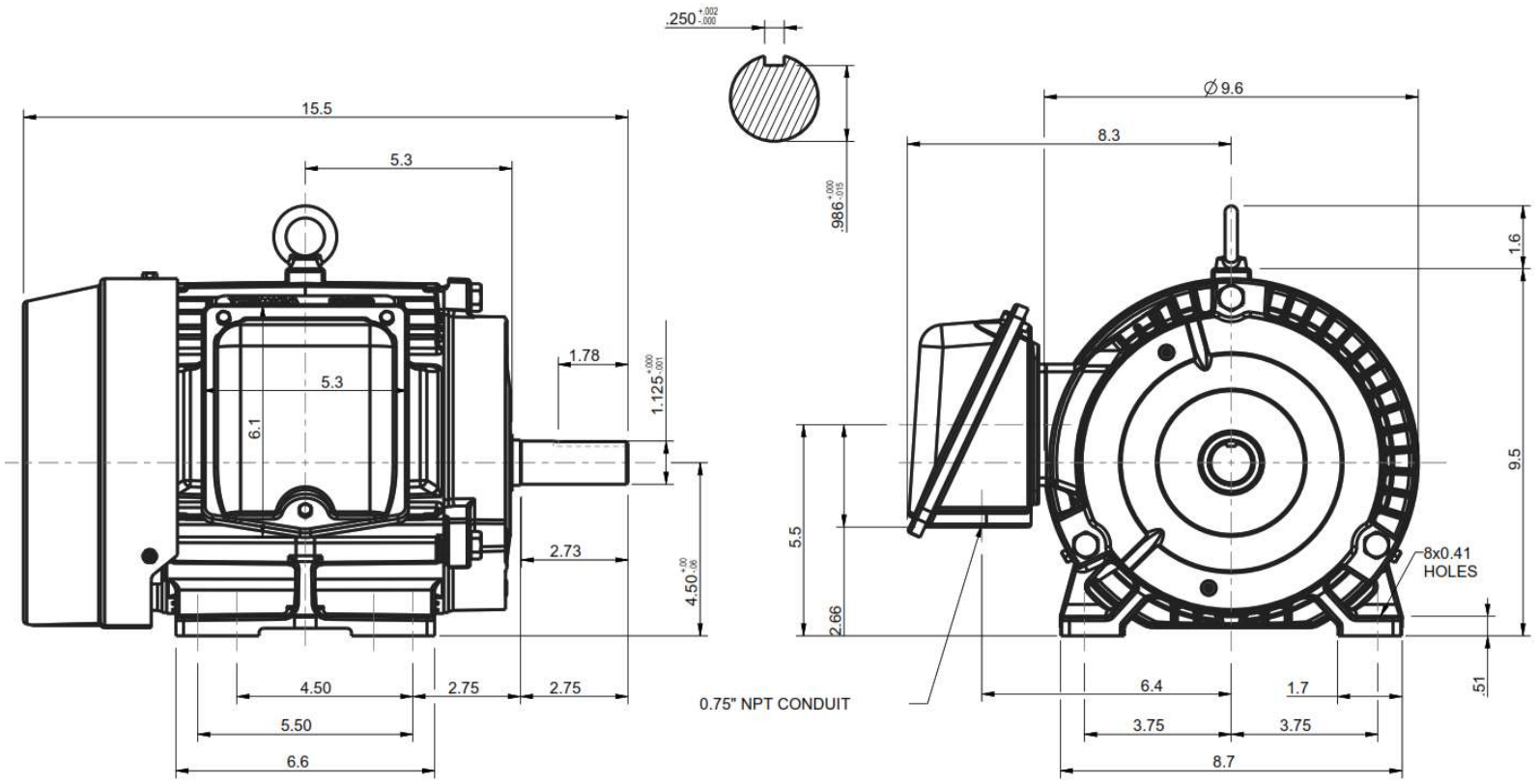
Engr. Date		Doc. Approved By		Doc. Issued	



Units: inches		PROPRIETARY INFORMATION	Notes:
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CCW	CW		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION
			AVAILABLE ONLY BY CONNECTION CHANGE.
X			

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TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR					
		Drawing #:	MNET00052A2TBR		
		Rev. Date:	11/14/2022	Rev. #:	0
		Standard:	NEMA	Mount.:	F1
Frame	182T-184T	Per.:	LD		