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

Tashida

TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00406A2TBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40.00	30.00	6	1180	364T	230/460	60	3	96/48
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.15	CONT	94.1	B	G	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	40.00	30.00	48.0	94.1	85.5
¾ Load	30.00	22.40	36.8	93.9	81.3
½ Load	20.00	14.90	27.3	92.9	73.4
¼ Load	10.00	7.50	19.9	88.7	53.0
No Load			15.5		4.8
Locked Rotor			288.0		37.0

Torque				Rotor Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
178.00	190.0	175.0	260.0	17.67

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold / Hot		**DE**	**NDE**	**(lbs)**
35 / 15	-	6314ZC3	6312ZC3	811

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

Included Accessories:

All characteristics are average expected values.

Engineering		**Doc. Written By**		**Doc.# / Rev**	**MNET00406A2TBR**
Engr. Date		**Doc. Approved By**		**Doc. Issued**	

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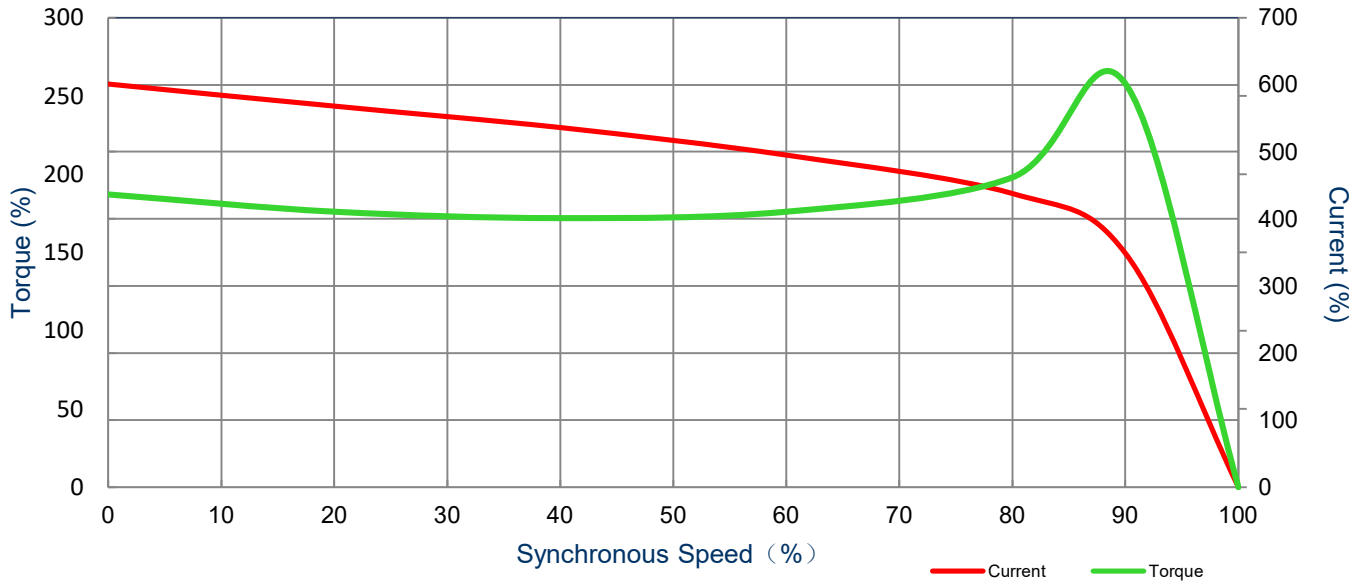
Tashida

SPEED TORQUE/CURRENT CURVE

Model: MNET00406A2TBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40.00	30.00	6	1180	364T	230/460	60	3	96/48
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.15	CONT	94.1	B	G	40 C

Locked Rotor Amps	Rotor Inertia (lb-ft2)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
288.0	17.67	178	190.0	175.0	260.0



All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00406A2TBR
Engr. Date		Doc. Approved By		Doc. Issued	

Issued Date	11/14/2022	Doc. #	382-R0
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Tashida

TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00406A2TBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40.00	30.00	6	975	364T	190/380	50	3	120/60
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.0	CONT	91.7	B	G	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	40.00	30.00	60.0	93.9	81.5
¾ Load	30.00	22.40	44.1	94.6	78.5
½ Load	20.00	14.90	31.9	94.6	70.9
¼ Load	10.00	7.50	22.2	89	57.3
No Load			15.9		4.5
Locked Rotor			345.0		36.9

Torque				Rotor Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
215.00	150.0	135.0	210.0	17.67

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold / Hot		**DE**	**NDE**	**(lbs)**
25 / 10	-	6314ZC3	6312ZC3	811

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00406A2TBR
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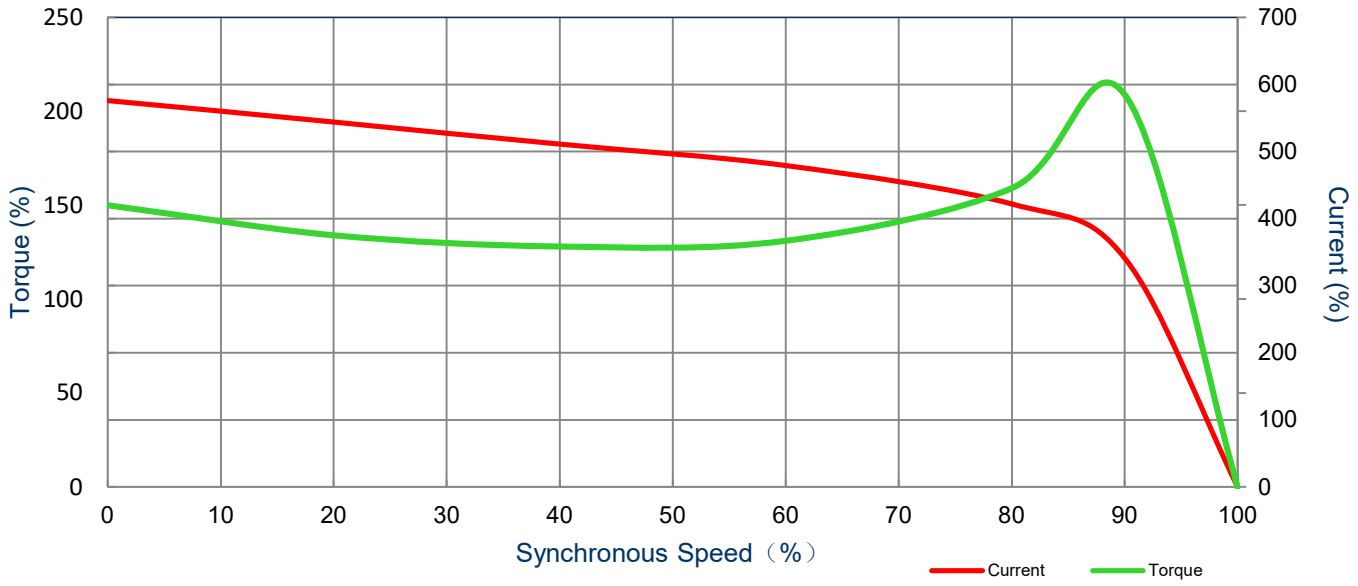
Tashida

SPEED TORQUE/CURRENT CURVE

Model: MNET00406A2TBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40.00	30	6	975	364T	190/380	50	3	120/60
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.0	CONT	91.7	B	G	40 C

Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
345.0	17.67	215	150.0	135.0	210.0



All characteristics are average expected values.

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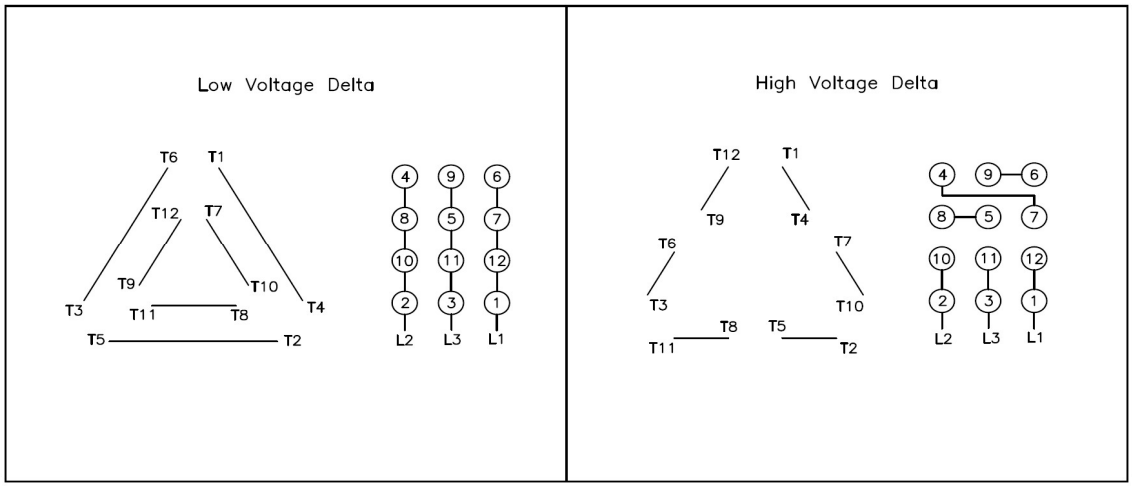
Motor Connection Diagram

Model: MNET00406A2TBR **Serie:** NEMA Elite

12 Leads Connection Diagram



All characteristics are average expected values.

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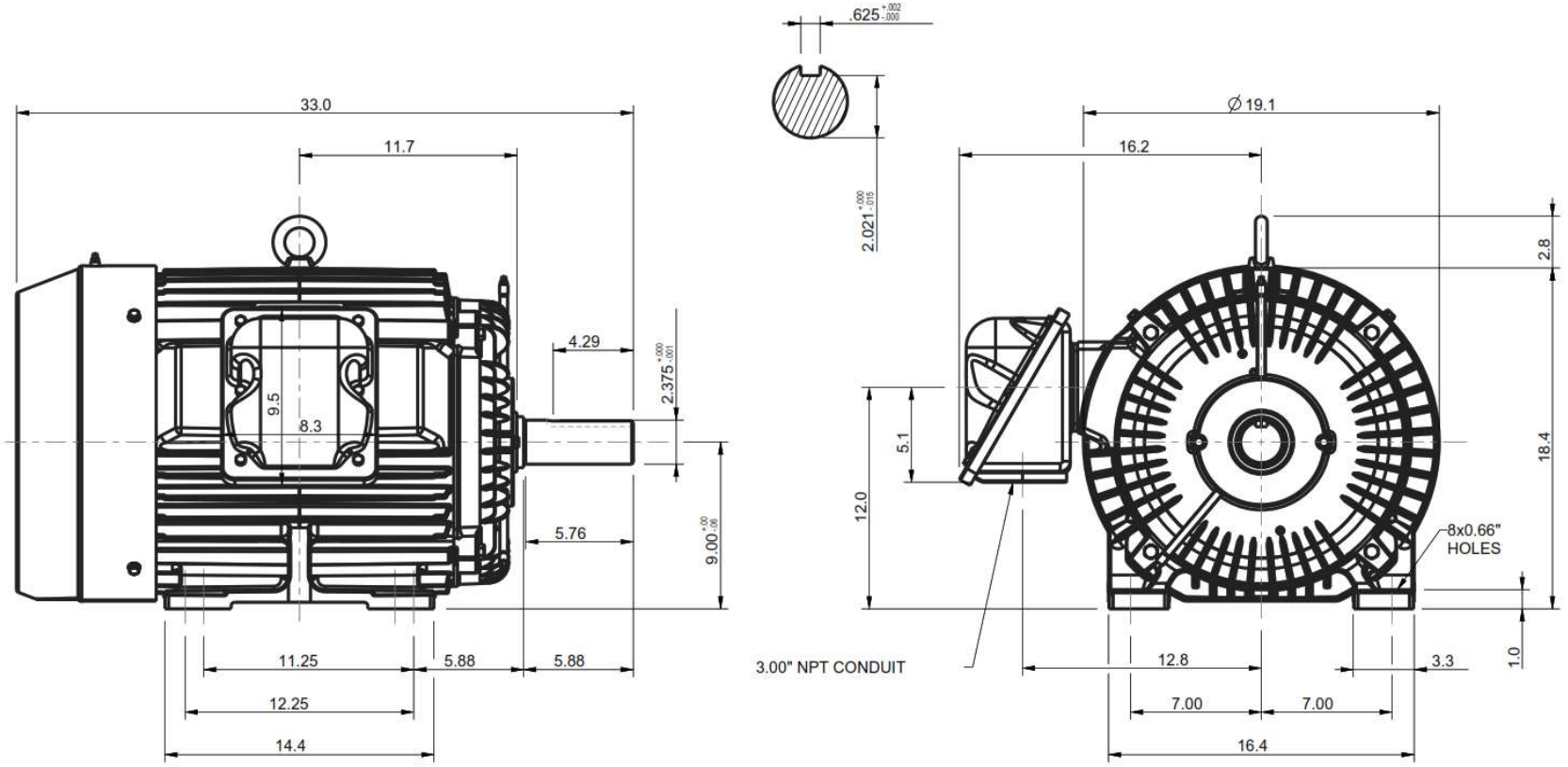

Units: inches		PROPRIETARY INFORMATION	Notes:
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CCW	CW		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION
			AVAILABLE ONLY BY CONNECTION CHANGE.
X			

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TOTALLY ENCLOSED FAN COOLED
HORIZONTAL FOOT MOUNTED
3 PHASE INDUCTION MOTOR

		Drawing #:	MNET00406A2TBR		
		Rev. Date:	11/14/2022	Rev. #:	0
		Standard:	NEMA	Mount.:	F1
Frame	364T - 365T	Per.:	LD		