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

Tashida

TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00502A2SBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50.00	37.00	2	3540	326TS	230/460	60	3	116.00/58.00
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.15	CONT	93.0	B	G	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	50.00	37.00	58.0	93.0	88.2
¾ Load	37.50	28.00	43.9	92.2	85.7
½ Load	25.00	18.60	31.6	90.2	80.5
¼ Load	12.50	9.30	21.1	85.1	65.0
No Load			13.7		0.0
Locked Rotor			362.0		41.2

Torque				Rotor Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
74.20	250.0	215.0	260.0	6.39

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold / Hot		**DE**	**NDE**	**(lbs)**
35 / 15	-	6312ZC3	6312ZC3	683

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00502A2SBR
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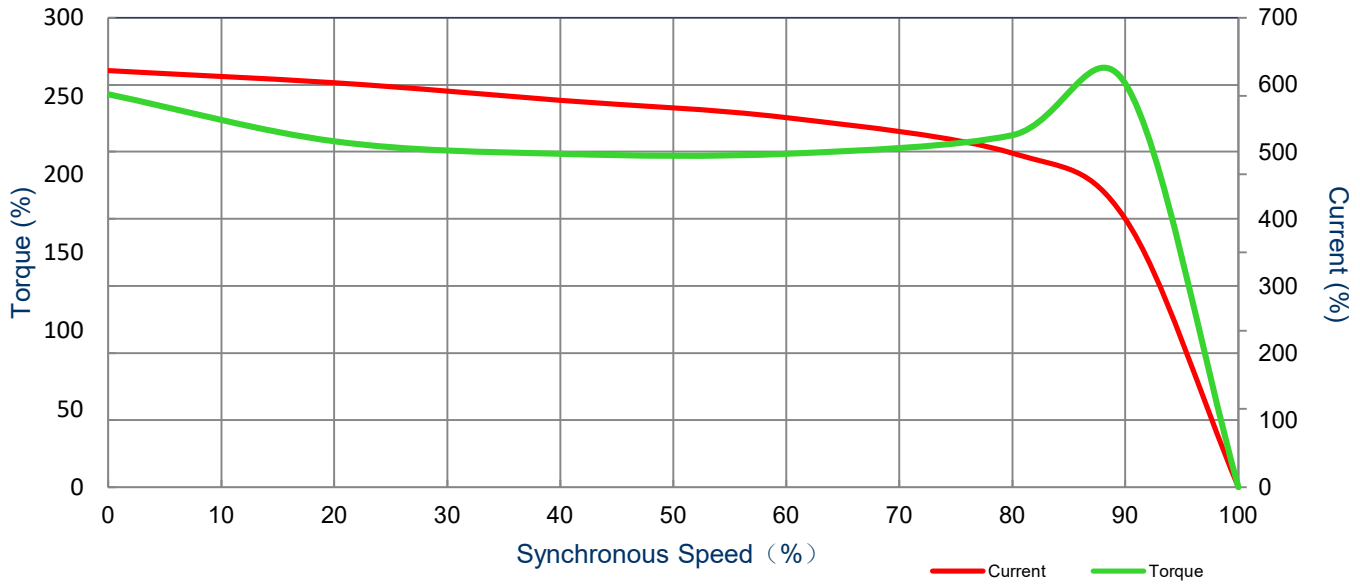
Tashida

SPEED TORQUE/CURRENT CURVE

Model: MNET00502A2SBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50.00	37.00	2	3540	326TS	230/460	60	3	116.00/58.00
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.15	CONT	93.0	B	G	40 C

Locked Rotor Amps	Rotor Inertia (lb-ft2)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
362.0	6.39	74.2	250.0	215.0	260.0



All characteristics are average expected values.

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Tashida

TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00502A2SBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50.00	37.00	2	2905	326TS	190/380	50	3	143.50/72.00
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.2	CONT	90.2	B	E	40 C

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	50.00	37.00	71.6	90.1	87.8
¾ Load	37.50	28.00	54.0	90.1	87.3
½ Load	25.00	18.60	37.7	89.1	84.2
¼ Load	12.50	9.30	23.6	84.6	70.7
No Load			13.2		37.5
Locked Rotor			371.0		0

Torque				Rotor Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
90.40	170.0	145.0	200.0	6.39

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold / Hot		**DE**	**NDE**	**(lbs)**
27 / 10	-	6312ZC3	6312ZC3	683

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

Included Accessories:

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MNET00502A2SBR
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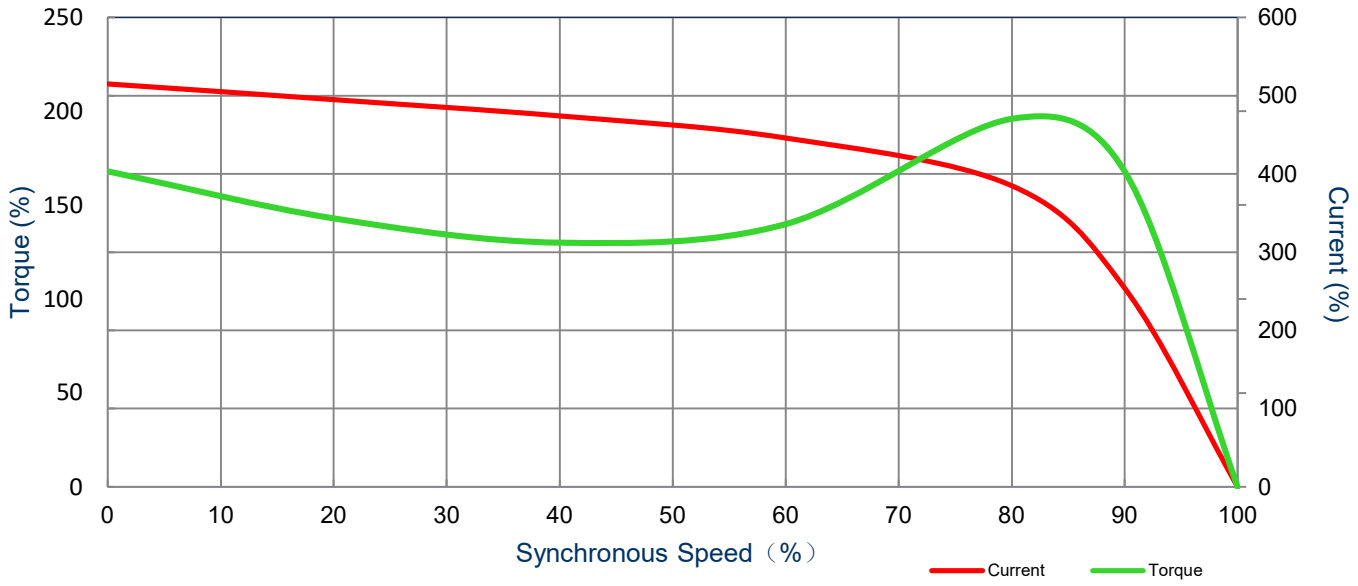
Tashida

SPEED TORQUE/CURRENT CURVE

Model: MNET00502A2SBR **Serie:** NEMA Elite

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50.00	37	2	2905	326TS	190/380	50	3	143.50/72.00
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**Nema Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.2	CONT	90.2	B	E	40 C

Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
371.0	6.39	90.4	170.0	145.0	200.0



All characteristics are average expected values.

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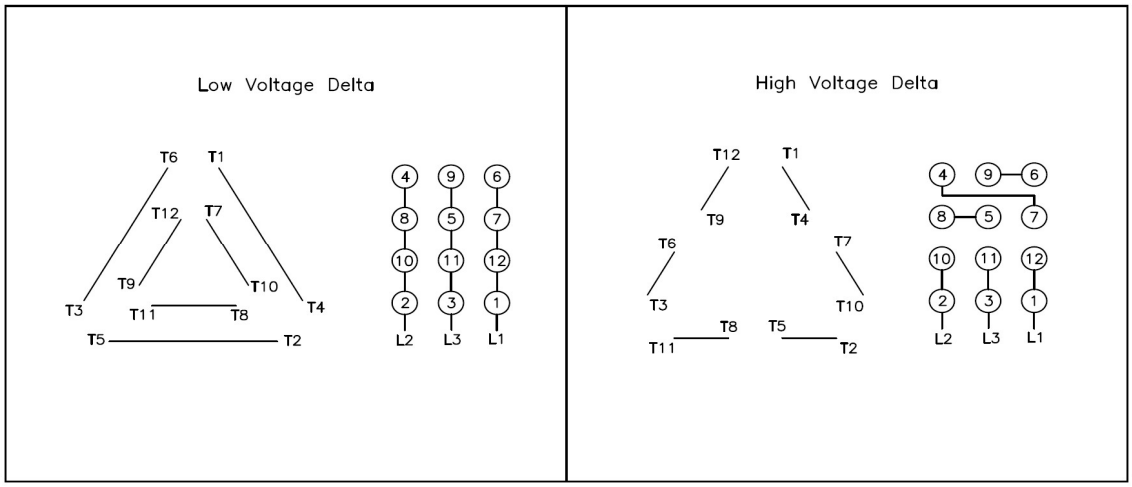
Motor Connection Diagram

Model: MNET00502A2SBR **Serie:** NEMA Elite

12 Leads Connection Diagram



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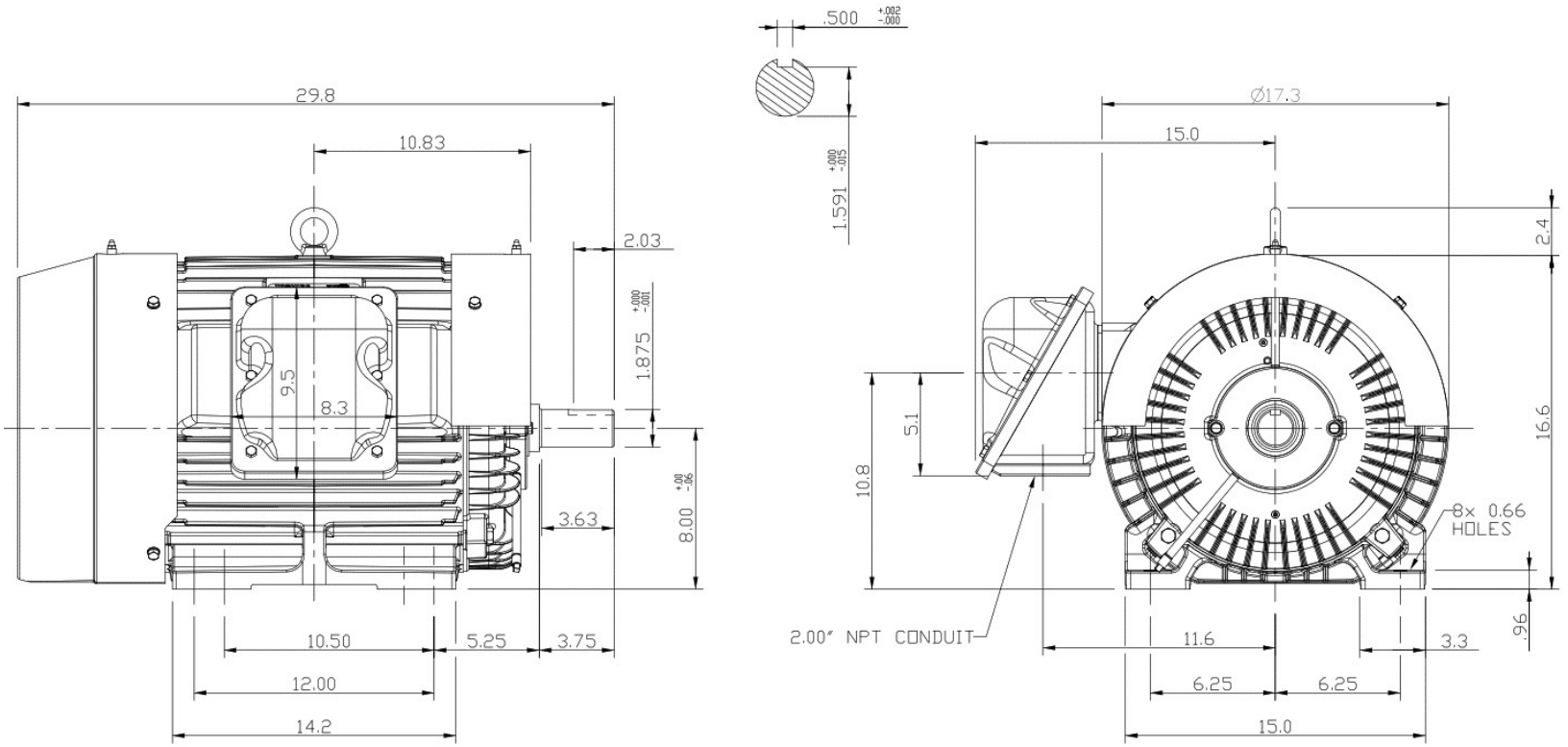

Units: inches		PROPRIETARY INFORMATION	Notes:
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CCW	CW		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION
			AVAILABLE ONLY BY CONNECTION CHANGE.
X			

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TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR		Drawing #:	MNET00502A2SBR		
		Rev. Date:	11/14/2022	Rev. #:	0
		Standard:	NEMA	Mount.:	F1
Frame	324TS - 326TS	Per.:	LD		