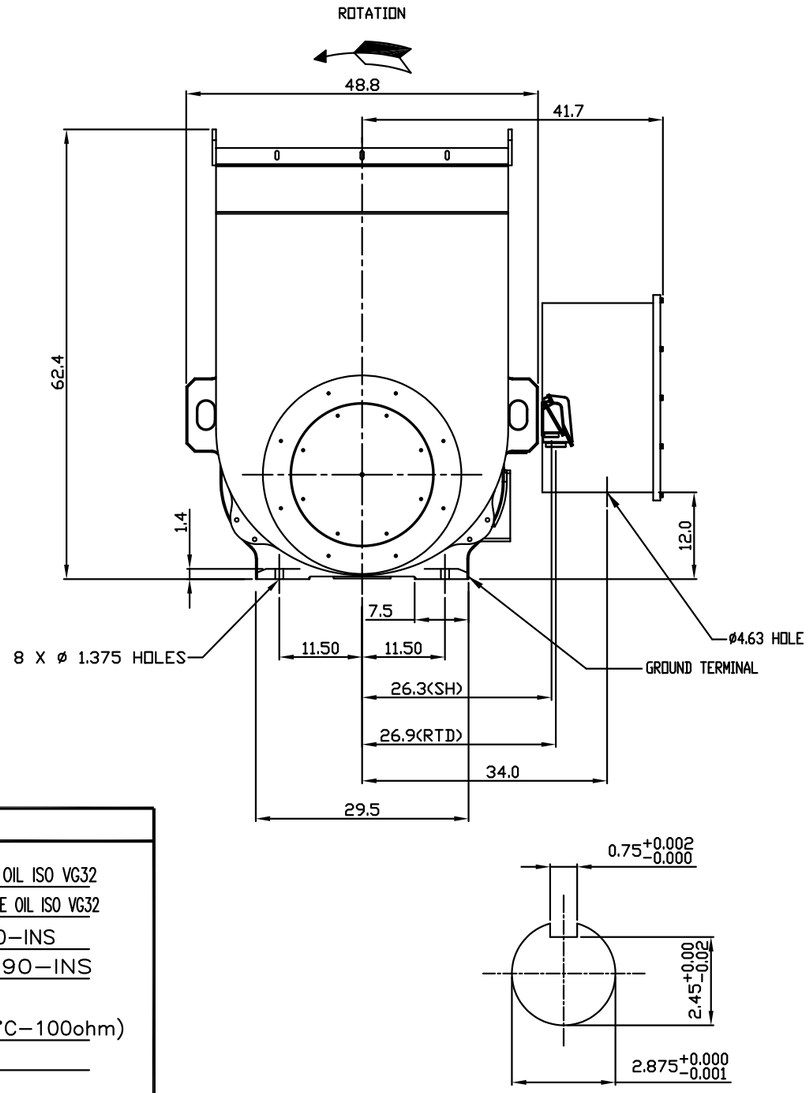
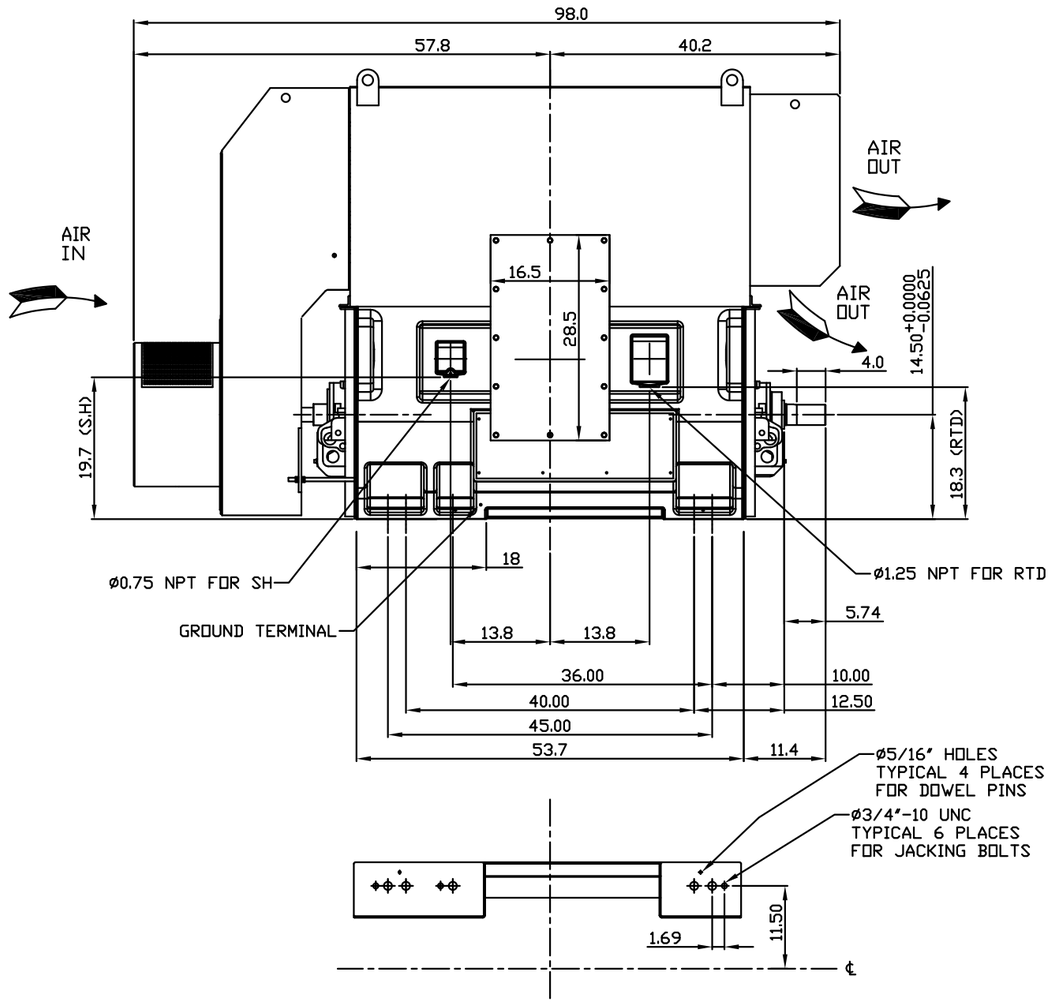




TECHNICAL INFORMATION

1. BEARING LUBRICATION — DE: TURBINE OIL ISO VG32; ODE: TURBINE OIL ISO VG32
2. BEARING TYPE — DE: M9-90-INS; ODE: M9-90-INS
3. WINDING TEMP. DETECTORS
   NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)
   LOCATION: IN STATOR SLOT
4. BEARING TEMP. DETECTORS
   NUMBER AND TYPE: _____
5. SPACE HEATER 1 PHASE
   VOLTS: 120 WATTS: 400
6. ROTATION: CCW VIEWED FROM NON DRIVE END
   THIS MOTOR IS UNI DIRECTIONAL
7. MOTOR PAINT COLOR: _____
8. APPROX. WEIGHT: 9100 Lbs
9. ACCESORIES:

DRAWING LIST

MAIN TERMINAL BOX
130-7532-02

AUX TERMINAL BOX FOR	
SPACE HEATER	130-7520-50
R.T.D.	130-7522-51
THERMISTOR	N/A
PRODUCTION #	N/A

NO.	REVISION	BY	DATE
4	FROM 5811/12 MTG, CHG. AUX BOX DIM FROM 14.6, CHG JACKING BOLTS FROM 4	JV	6/27/22
3	JACKING TO INLINE	RWS	1/3/14
2	UPDATE	MH	8/15/05
1	UPDATE	RW	4/16/03
0	FIRST ISSUE	RW	3/25/03

MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR

CUSTOMER NAME				P.O. NO.	MOTOR TAG NO.	
OUTPUT	**POLE**	**VOLTAGE**	**FREQUENCY**	**FULL LOAD SPEED**	**TOSHIBA MODEL NO.**	
HP	2	V	Hz	(min^{-1})		
TYPE	**FORM**	**INS. CLASS**	**RATING**	**FRAME**	**S.F.**	**ENCLOSURE**
		F	CONT.	5810/11/12		TEAAC

TOSHIBA INTERNATIONAL CORPORATION
HOUSTON, TEXAS U.S.A.

3rd ANGLE PROJ.	PREPARED BY:	DATE:	CHECKED BY:	DATE:	DRAWING NO.:	REV.
	R. WILKINS	03/25/03	M. HO	04/01/03	MDSL 0077-11	4

Issued Date	9/26/2022	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA
Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Model: 8003TCQL11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
800	597	2	3570	5812USS	4000	60	3	100

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEAAC	44	F	1.15	CONT	95.3	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	800.00	596.6	100	95.2	89.9
¾ Load	600.00	447.4	77	94.6	88.4
½ Load	400.00	298.3	55	93.1	83.5
¼ Load	200.00	149.1	36	88.1	66.9
No Load			23.7		
Locked Rotor			555		22.3

Torque				Rotor wk² Inertia
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(lb-ft²)
1177	125	95	230	161.71

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	Hot		DE	NDE	(lbs)
5	1	-	M9-90 INS	M9-90 INS	0

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

Motor Options:
Product Family:TEAAC
Mounting:Footed,Shaft:USS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.

Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/28/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Issued Date	9/26/2022	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA
Leading Innovation >>>

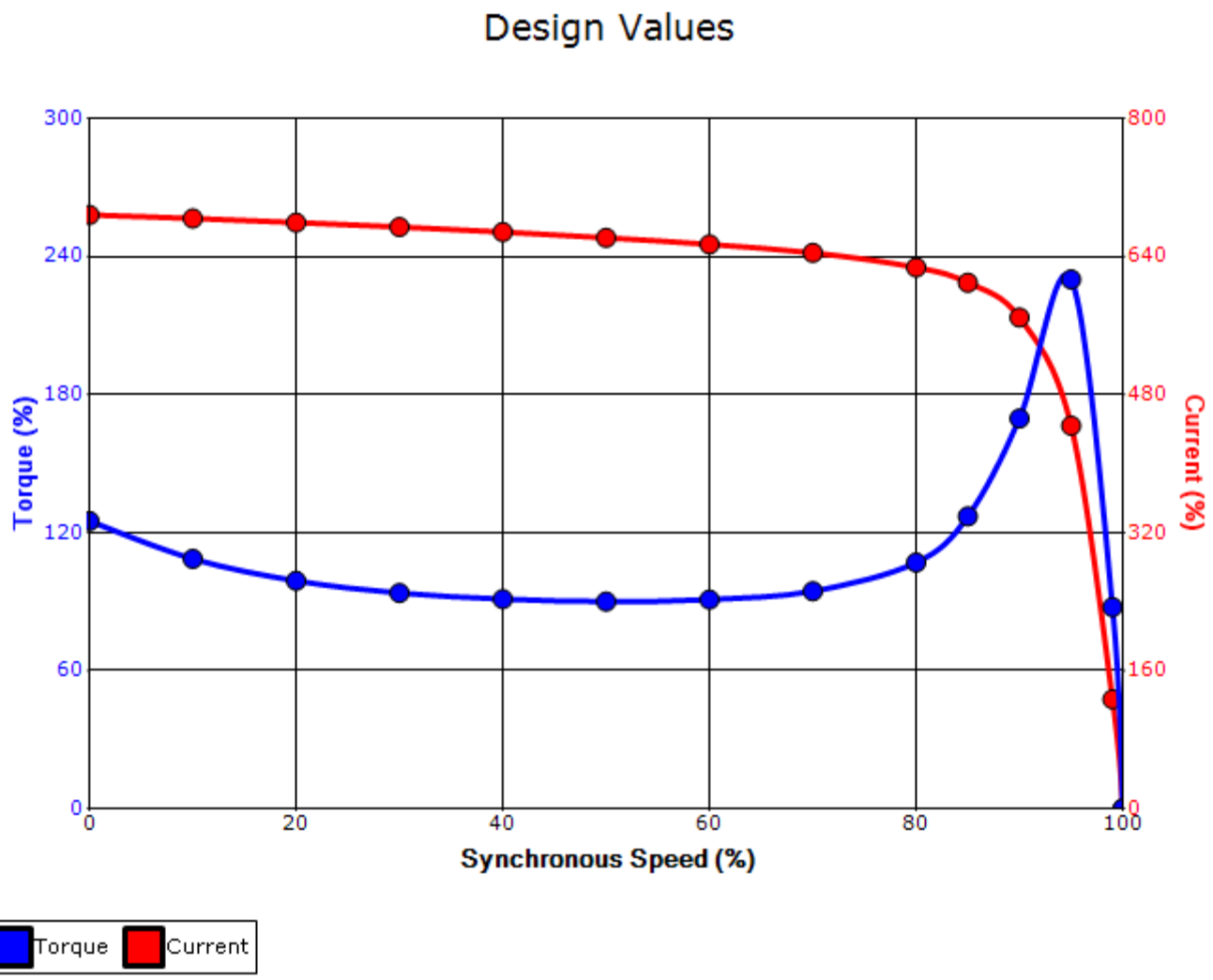
SPEED TORQUE/CURRENT CURVE

Model: 8003TCQL11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
800	597	2	3570	5812USS	4000	60	3	100

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEAAC	44	F	1.15	CONT	95.3	-		40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
555	161.71	1177	125	95	230



Customer			wk² Load Inertia (lb-ft²)	-
Customer PO			Load Type	-
Sales Order			Voltage (%)	100
Project #			Accel. Time	-

Tag:

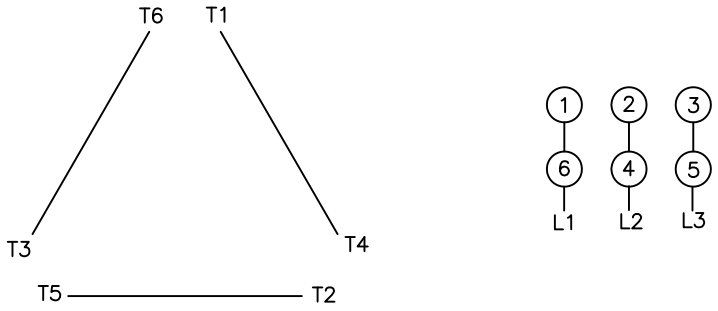
All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.

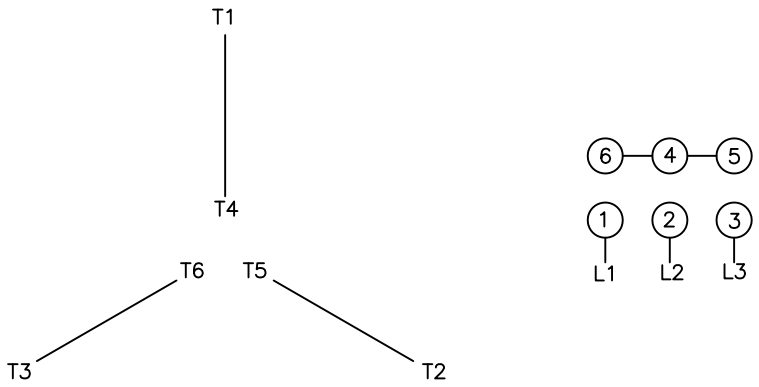
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/28/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation