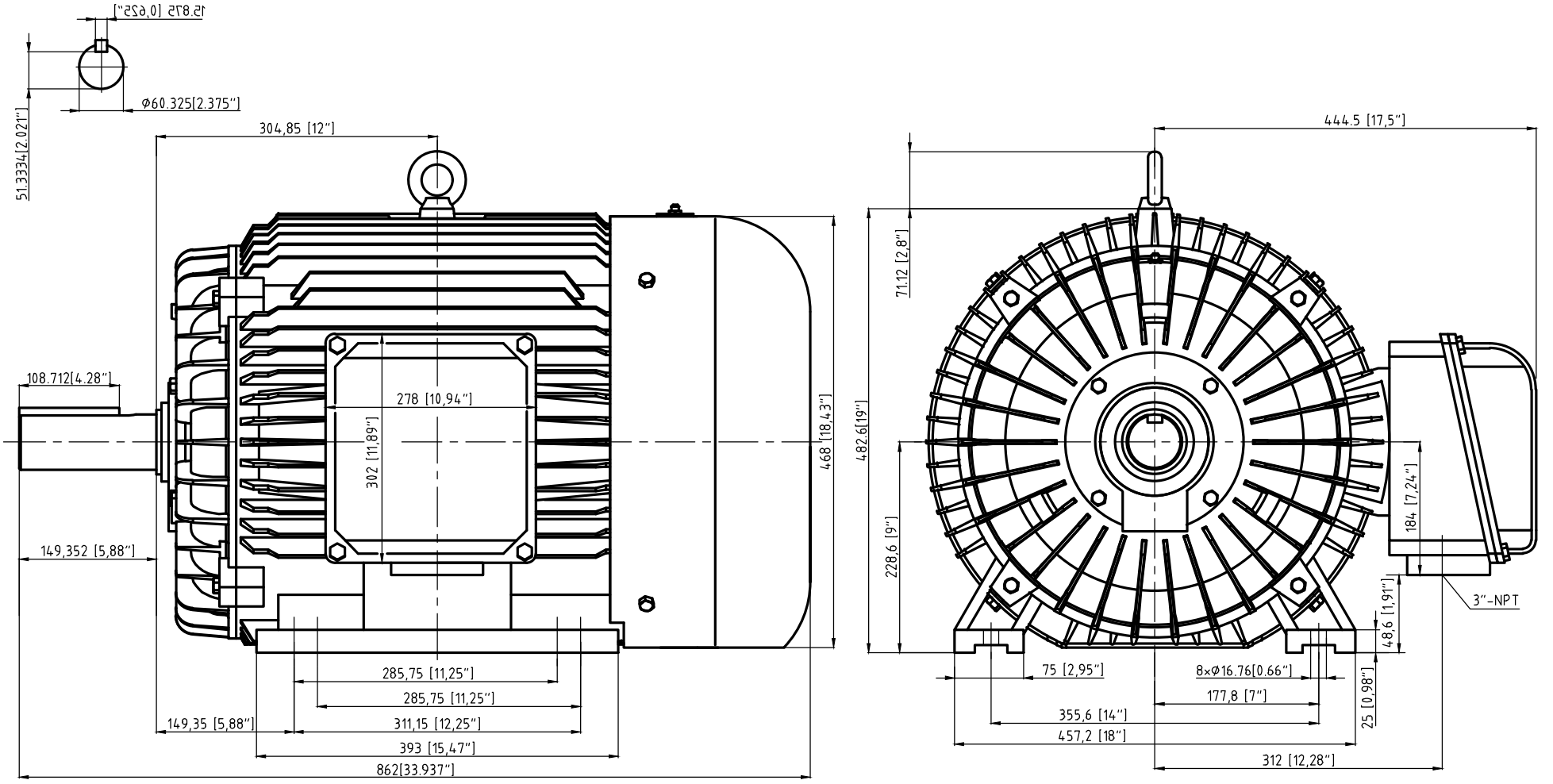

NOTES:
1. MAIN CONDUIT BOX MAY BE ROTATED IN 90~INCREMENTS
2. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
3. KEY DIMENSIONS EQUAL 0.625"x0.625"x4.28" (MOTOR SUPPLIED WITH KEY)

UNITS: mm [INCHES]

365T TEFC FRAME F2 ASSEMBLY

MDSLE021-11

TOSHIBA
TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES	
.X	.1
.XX	.03
.XXX	.005
.XXXX	.0005

MAXIMUM MOTOR WEIGHT
lbs.
kgs.

NO	REVISION	DRAWN BY	DATE	CHECK
0	FIRST ISSUE	Lin Qingliu	03/15/17	

Tosh-ECO OWP

DRAWN BY: Lin Qingliu
CHECK BY: Cai Zhenqiang
APPROVED BY: Li Zhuoqing

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Issued Date	2017/3/22	Transmit #	
Issued By	Cai Zhenqiang	Issued Rev	0

TOSHIBA

TYPICAL MOTOR PERFORMANCE DATA

Model: OW21

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	1115	365T	230/460	60	3	124/62
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	55	F	1.15	CONT	-	D	G	40

Load	HP	kW	Amperes(460)	Efficiency (%)	Power Factor (%)
Full Load	50	37.29	61.7	88.1	86.1
¾ Load	37.50	27.96	46.4	90.0	84.0
½ Load	25.00	18.64	34.2	90.0	76.0
¼ Load	12.50	9.32	24.9	87.0	54.0
No Load			19.4		6.3
Locked Rotor			360		43.2

Torque				Rotor wk² Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
236	280	290	295	27.1

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	**Hot**		**DE**	**NDE**	**(lbs)**
23	11	72	6314/C3	6314/C3	865

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

Motor Options:

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values. The declared locked rotor current has a tolerance of 20%.

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Engineering		**Doc. Written By**	P. Anderson	**Doc.# / Rev**	MDSLE021-11/0
Engr. Date		**Doc. Approved By**	PAA	**Doc. Issued**	2017/3/22

Issued Date	2017/3/22	Transmit #	
Issued By	Cai Zhenqiang	Issued Rev	0

TOSHIBA

SPEED TORQUE/CURRENT CURVE

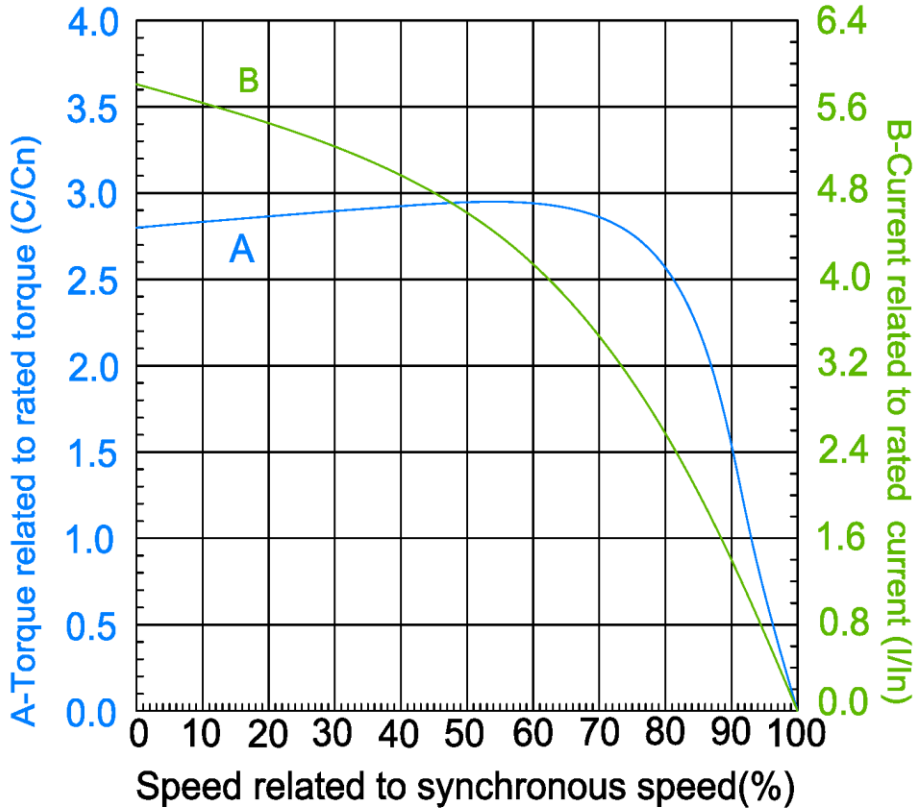
Model: OW21

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	1115	365T	230/460	60	3	124/62
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	55	F	1.15	CONT	-	D	G	40

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load lb-ft (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
360	27.1	236	280	290	295

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor-Squirrel cage rotor



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

Tag:

All characteristics are average expected values.

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Engineering		**Doc. Written By**	P. Anderson	**Doc.# / Rev**	MDSLE021-11/0
Engr. Date		**Doc. Approved By**	PAA	**Doc. Issued**	2017/3/22

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NAMEPLATE DATA

Model: OW21

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	1115	365T	230/460	60	3	124/62
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	55	F	1.15	CONT	-	D	G	40

Type:

Form:

Drive End Bearing: 6314/C3

Non-Drive End Bearing: 6314/C3

Power Factor: 86.0

Max Safe RPM: 1980

Comments 1:

Comments 2:

Comments 3:

Comments 4:

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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

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SPARE PARTS LIST*

Model: OW21

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	1115	365T	230/460	60	3	124/62
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	55	F	1.15	CONT	-	D	G	40

Bearings DE	6314/C3
Bearings NDE	6314/C3

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

Other than the grease used for regreasable bearings and the oil used for oil-lubricated bearings, Toshiba advises that there are no "use" parts. The only insurance spares that Toshiba suggests for these squirrel-cage induction motors are industry-standard and commercially available off-the-shelf bearings as noted above.

Motor components such as terminal boxes, fan covers and other machined parts are available on special request. In these cases, please advise our order entry department of the model and serial numbers found on the motor nameplate and a description of the needed components. With this information they will be able to furnish the current part number, price and availability.

Note: Our internal part numbers are subject to change without notice and are not published.

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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

Engineering		**Doc. Written By**	P. Anderson	**Doc.# / Rev**	MDSLE021-11/0
Engr. Date		**Doc. Approved By**	PAA	**Doc. Issued**	2017/3/22

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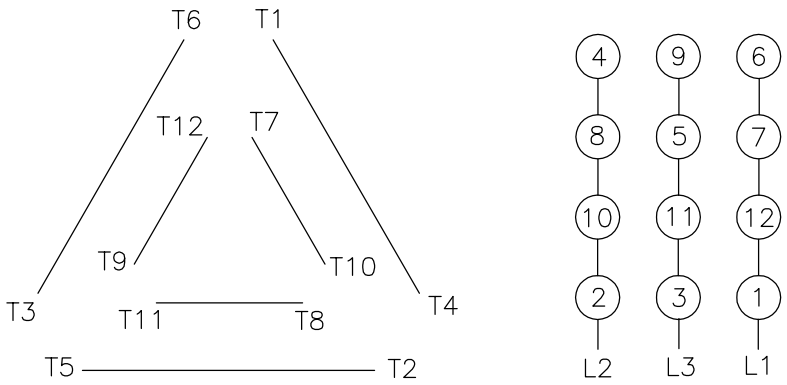
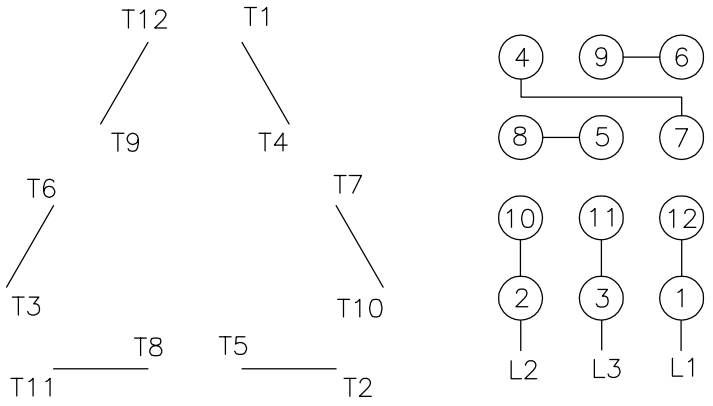
Motor Connection Diagrams
12 Leads
Dual Voltage

Across-the-Line Starting / Running Connections

Low Voltage Delta



High Voltage Delta



Switch L1 and L2 to reverse rotation

By: R. Murillo	Date: 4/9/08	Checked:	Date:	Revision 0