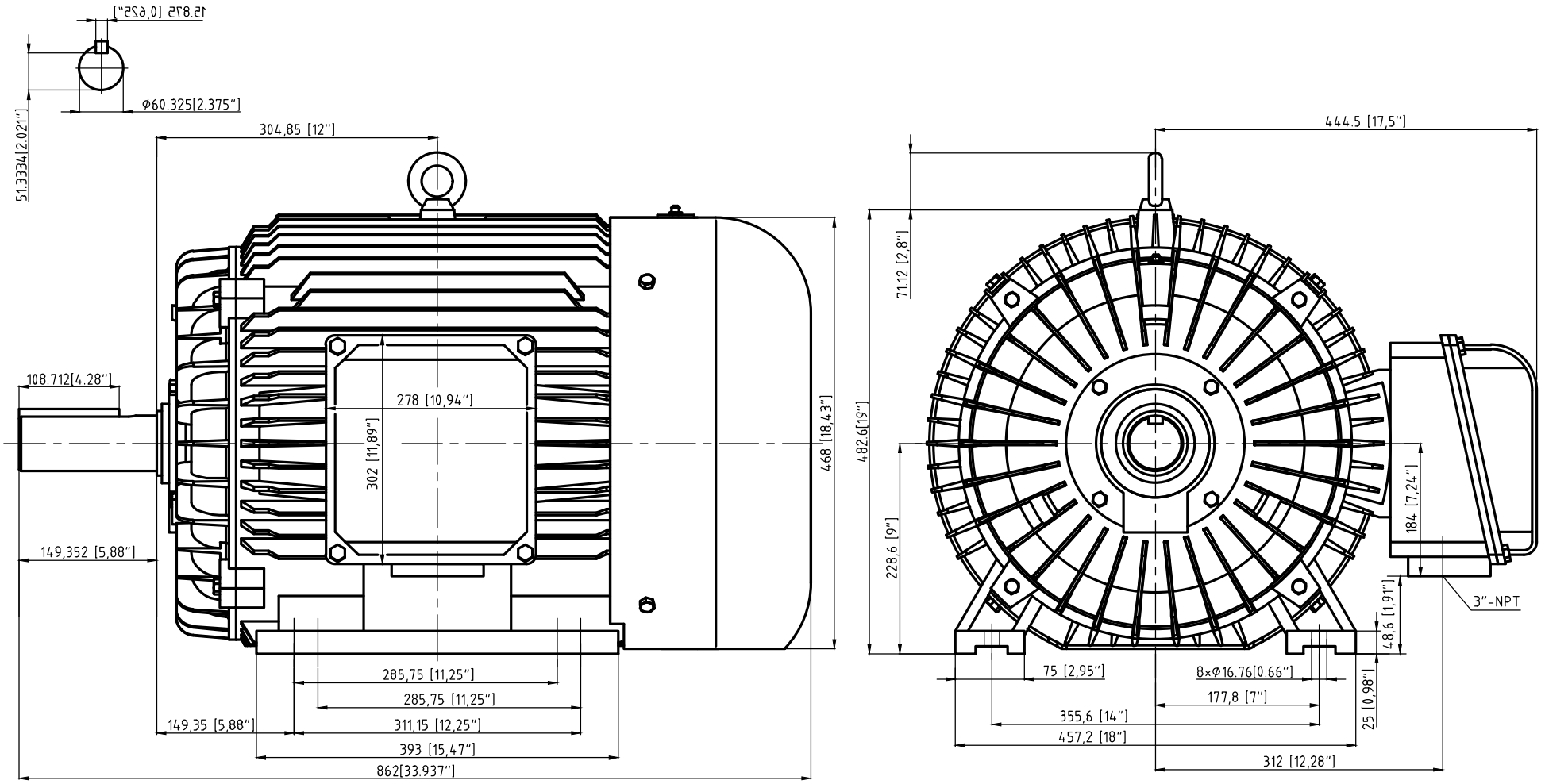

NOTES:
1. MAIN CONDUIT BOX MAY BE ROTATED IN 90~INCREMENTS
2. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
3. KEY DIMENSIONS EQUAL 0.625"x0.625"x4.28" (MOTOR SUPPLIED WITH KEY)

UNITS: mm [INCHES]

360T TEFC FRAME F2 ASSEMBLY

MDSLE021-10

TOSHIBA
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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	10/31/2016	Transmit #	
Issued By	Huang Zhenxiong	Issued Rev	0

TOSHIBA

TYPICAL MOTOR PERFORMANCE DATA

Model: OW20

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30	6	1108	364T	230/460	60	3	100/50
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	40	29.83	50.2	87.1	85.7
¾ Load	30.00	22.37	38.5	89.0	82.0
½ Load	20.00	14.91	28.8	89.0	73.0
¼ Load	10.00	7.46	21.3	86.0	51.0
No Load			17.2		6.6
Locked Rotor			285		45.9

Torque				Rotor wk² Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
191	288	296	304	23.1

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	**Hot**		**DE**	**NDE**	**(lbs)**
29	13	69	6314/C3	6314/C3	838

*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	MDSLE021-10/0
Engr. Date		Doc. Approved By	PAA	Doc. Issued	10/31/2016

Issued Date	10/31/2016	Transmit #	
Issued By	Huang Zhenxiong	Issued Rev	0

TOSHIBA

SPEED TORQUE/CURRENT CURVE

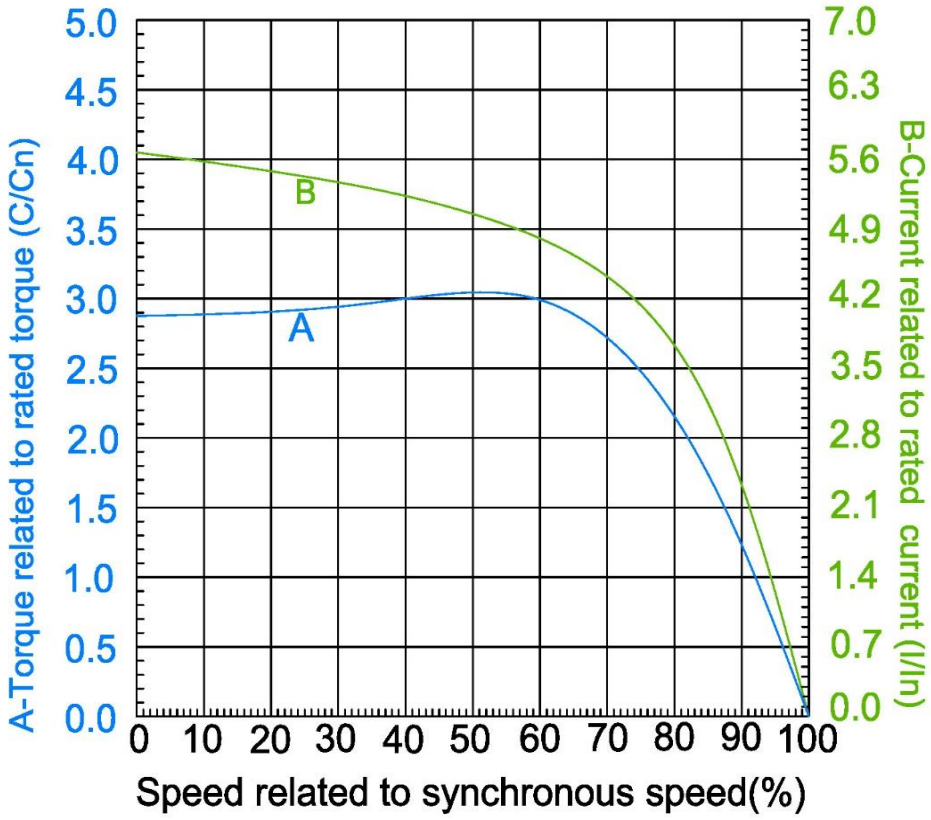
Model: OW20

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30.0	6	1108	364T	230/460	60	3	100/50
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 (%)
285	23.1	191	288	296	304

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**	MDSLE021-10/0
Engr. Date		**Doc. Approved By**	PAA	**Doc. Issued**	10/31/2016

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NAMEPLATE DATA

Model: OW20

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30.0	6	1108	364T	230/460	60	3	100/50
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: 85.5

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.

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SPARE PARTS LIST*

Model: OW20

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30.0	6	1108	364T	230/460	60	3	100/50
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**	MDSLE021-10/0
Engr. Date		**Doc. Approved By**	PAA	**Doc. Issued**	10/31/2016

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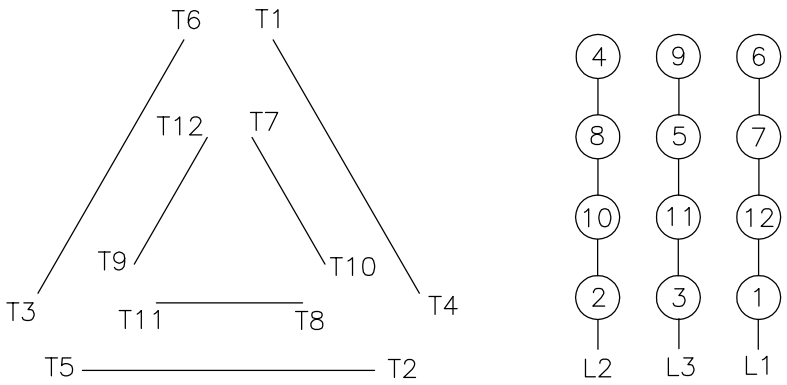
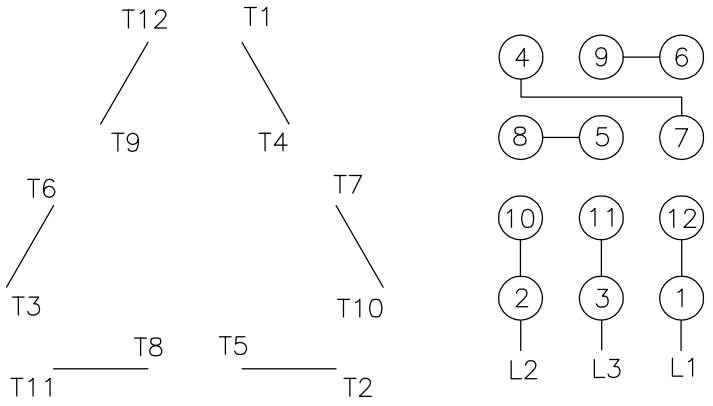
Motor Connection Diagrams
12 Leads
Dual Voltage

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