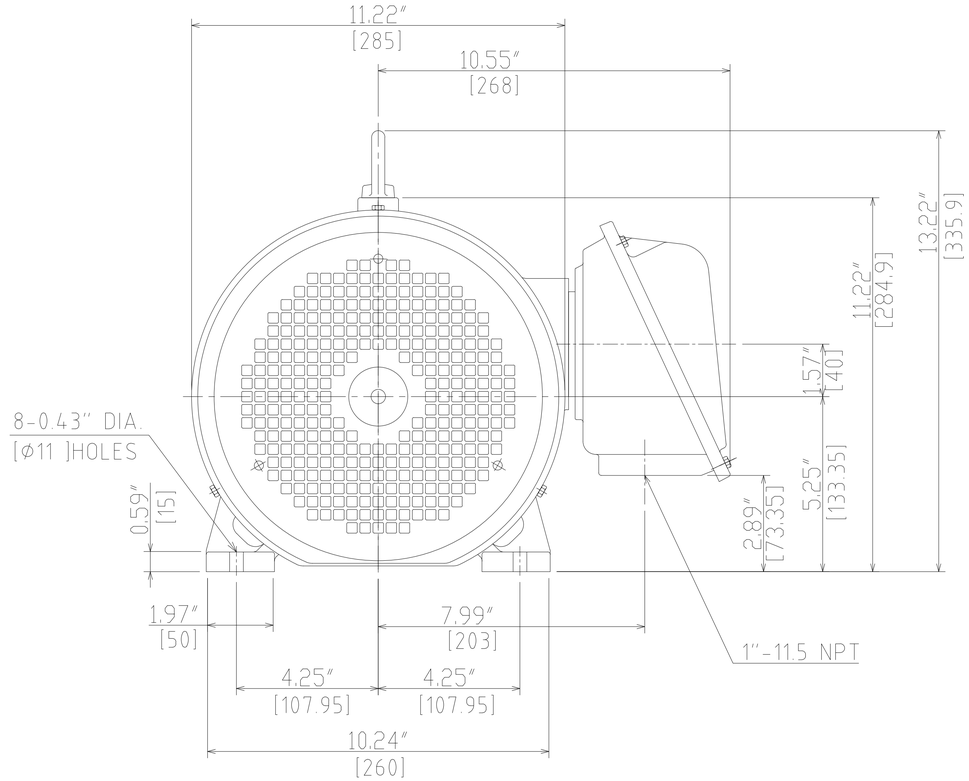

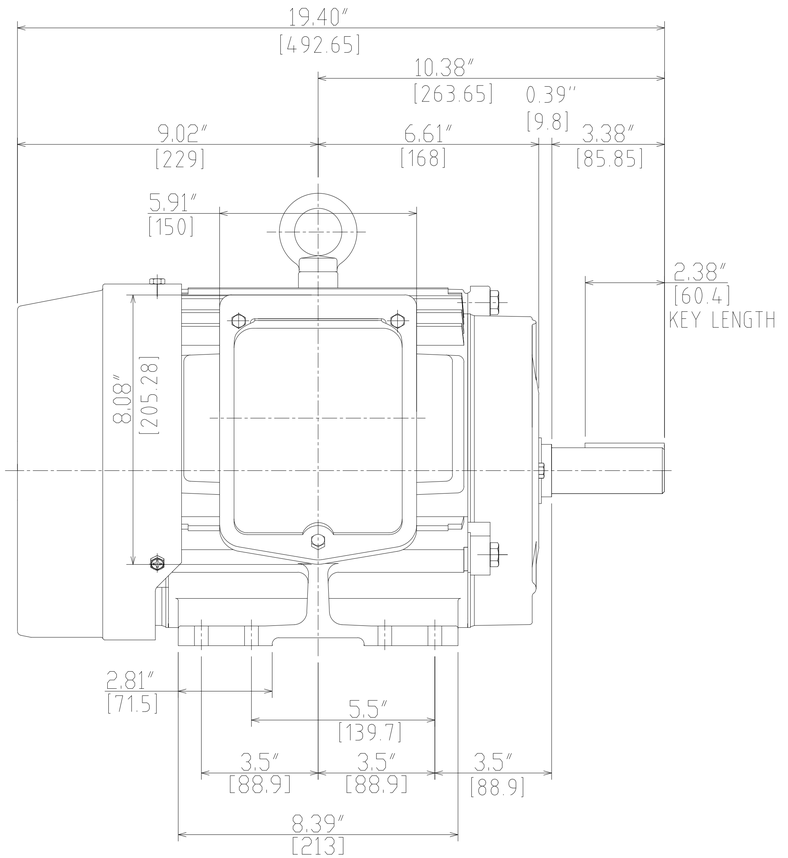

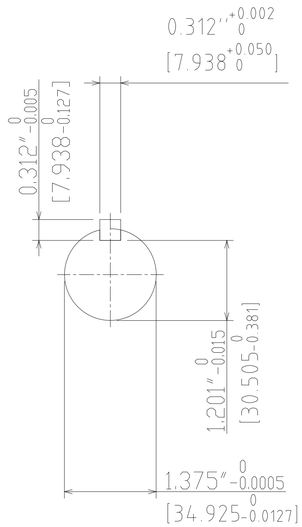

Unit : Metric [ ] reference dimension

UNITS: INCHES ROTATION FROM NDE [X] CCW [ ] CW	NOTES: 1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE. 3. KEY DIMENSIONS EQUAL 0.312"X0.312"X2.38" (MOTOR SUPPLIED WITH KEY)

TOSHIBA SEVERE DUTY EQP Global® QD

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TOSHIBA INTERNATIONAL CORPORATION

TOTALLY ENCLOSED FAN COOLED
HORIZONTAL FOOT MOUNT
3 PHASE INDUCTION MOTOR
213T/215T F1 ASSEMBLY

DRAWING #: MDSLV117-01

REV. DATE: 05/22/19 REV. #: 00 PER.: L.LIAN

REV. DESCRIP.: FIRST ISSUE

Issued Date	6/28/2024	Transmit #	
Issued By	dschoeck	Issued Rev	

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TYPICAL MOTOR PERFORMANCE DATA

Model: 0104QDAB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	4	1765	215T	460	60	3	13.6
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	55	F	1.25	CONT	91.7	A		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	10.00	7.5	13.6	91.3	75.3
¾ Load	7.50	5.6	11.0	90.5	70.1
½ Load	5.00	3.7	8.9	88.1	59.7
¼ Load	2.50	1.9	6.2	80.9	46.3
No Load			7.2		5.5
Locked Rotor			96		40.4

Torque				Rotor wk² Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
29.8	290	220	240	1.34

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	**Hot**		**DE**	**NDE**	**(lbs)**
35	15		6308ZZC3	6308ZZC3	

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

Motor Options:
Product Family:Quarry
Mounting:Footed,Shaft:T Shaft
Motor Specification:Quarry Duty

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

Issued Date	6/28/2024	Transmit #	
Issued By	dschoeck	Issued Rev	

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SPEED TORQUE/CURRENT CURVE

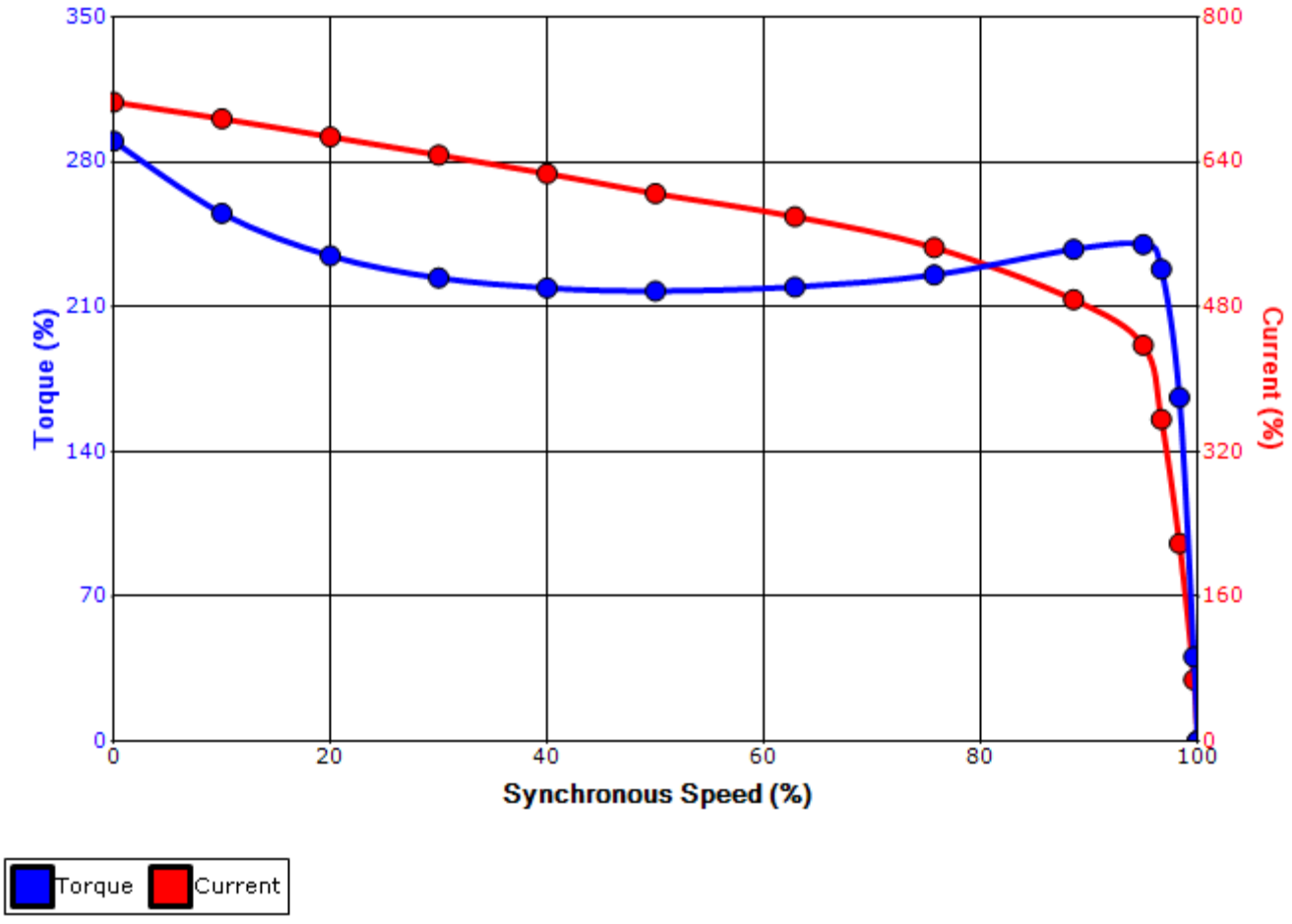
Model: 0104QDAB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	4	1765	215T	460	60	3	13.6

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.25	CONT	91.7	A		40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
96	1.34	29.8	290	220	240

Design Values



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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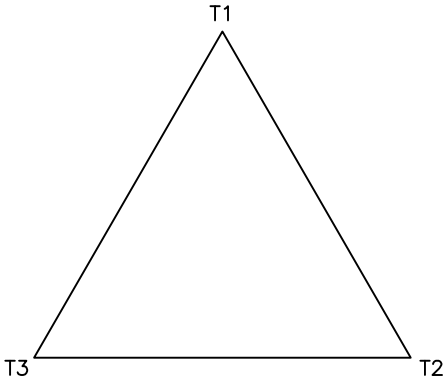
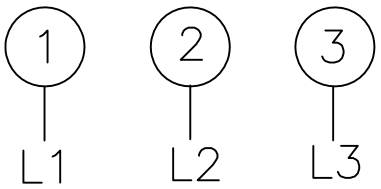
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	6/21/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagram
3 Leads - Delta Connection





Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.
If multiple cables represent a single lead, each one of them will be labeled with the appropriate lead number.

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SPARE PARTS LIST*

Model: 0104QDAB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	4	1765	215T	460	60	3	13.6
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	55	F	1.25	CONT	91.7	A		40 C

Bearings DE	6308ZZC3 / 40BC03JPP3OX
Bearings NDE	6308ZZC3 / 40BC03JPP3OX

*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	bmammen	**Doc. Written By**	D. Suarez	**Doc.# / Rev**	MPCF-1125 / 0
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