

Unit: Metric [] reference dimension

UNITS: INCHES

ROTATION FROM NDE

CCW CW

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE

DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED

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 0625X0625X4.25 (MOTOR SUPPLIED WITH KEY)

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PRELIMINARY CERTIFIED

TOTALLY ENCLOSED FAN COOLED

HORIZONTAL FOOT MOUNT

3 PHASE INDUCTION MOTOR

DRAWING #: MDSL V121-01

TOSHIBA SEVERE DUTY **ECP Global**

www.toshiba.com/tic

TOSHIBA INTERNATIONAL CORPORATION

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

REV. DESCRIP: FIRST ISSUE

364T/365T F1 ASSEMBLY



Issued Date	4/27/2021	Transmit #	
Issued By	Ilian	Issued Rev	

TYPICAL MOTOR PERFORMANCE DATA

Model: 0754QDAB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
75	55	4	1780	365T	460	60	3	86.70
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.25	CONT	95.4	-	J	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	75	55.9	86.7	95.3	84.9
¾ Load	56.25	41.9	68.5	94.6	81.2
½ Load	37.50	28.0	52.2	92.8	72.3
¼ Load	18.75	14.0	40.0	87.1	50.3
No Load			30.9		
Locked Rotor			736.4		27.3

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
221	210	160	360	20.46

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
24	13	-	6314ZC3	6312ZC3	

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

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

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 1
Engr. Date	3/5/2019	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019



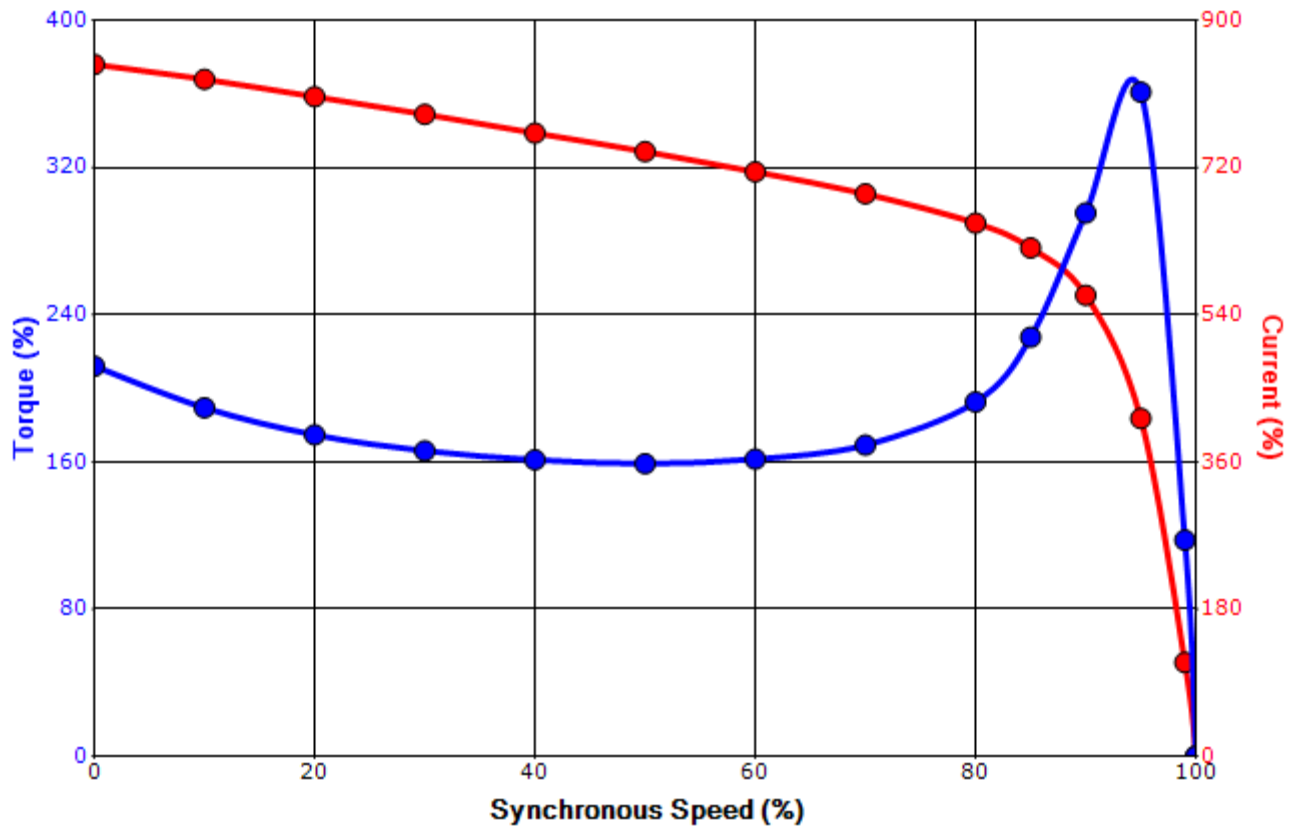
Issued Date	4/27/2021	Transmit #	
Issued By	Iljan	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 0754QDAB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
75	55	4	1780	365T	460	60	3	86.70
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.25	CONT	95.4	-	J	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque				Pull Up (%)	Break Down (%)	
		Full Load (lb-ft)	Locked Rotor (%)					
736.4	20.46	221	210		160	360		

Design Values



Customer		wk ² Load Inertia (lb-ft ²)	-
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-1121/1
Engr. Date	3/5/2019	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019

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.



Issued Date	4/27/2021	Transmit #	
Issued By	llian	Issued Rev	

SPARE PARTS LIST*

Model: 0754QDAB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
75	55	4	1780	365T	460	60	3	86.70
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.25	CONT	95.4	-	J	40 C

Bearings DE	6314ZC3 / 70BC03JP3OX
Bearings NDE	6312ZC3 / 60BC03JP3OX

*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 / 1
Engr. Date	3/5/2019	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019