

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 05X0.5X3.875" (MOTOR SUPPLIED WITH KEY)

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DRAWING #: MDSL V120-01

TOTALLY ENCLOSED FAN COOLED

HORIZONTAL FOOT MOUNT

3 PHASE INDUCTION MOTOR

324T/326T F1 ASSEMBLY

REV. DATE: 05/22/19 REV. #100 PER: L.LIAN

REV. DESCRIP: FIRST ISSUE



PRELIMINARY

CERTIFIED



Issued Date	9/24/2019	Transmit #	
Issued By	dschoeck	Issued Rev	

TYPICAL MOTOR PERFORMANCE DATA

Model: 0404QDAB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30	4	1780	324T	460	60	3	49
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F		CONT	94.1	A	J	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	40	29.8	48.5	94.4	81.8
¾ Load	30.00	22.4	38.8	93.7	77.2
½ Load	20.00	14.9	30.4	91.8	67.1
¼ Load	10.00	7.5	24.4	85.7	44.8
No Load			19.4		6.4
Locked Rotor			382.5		30.5

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
118	215	165	235	9.80

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
25	15		6312ZC3	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	2/27/2019	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019



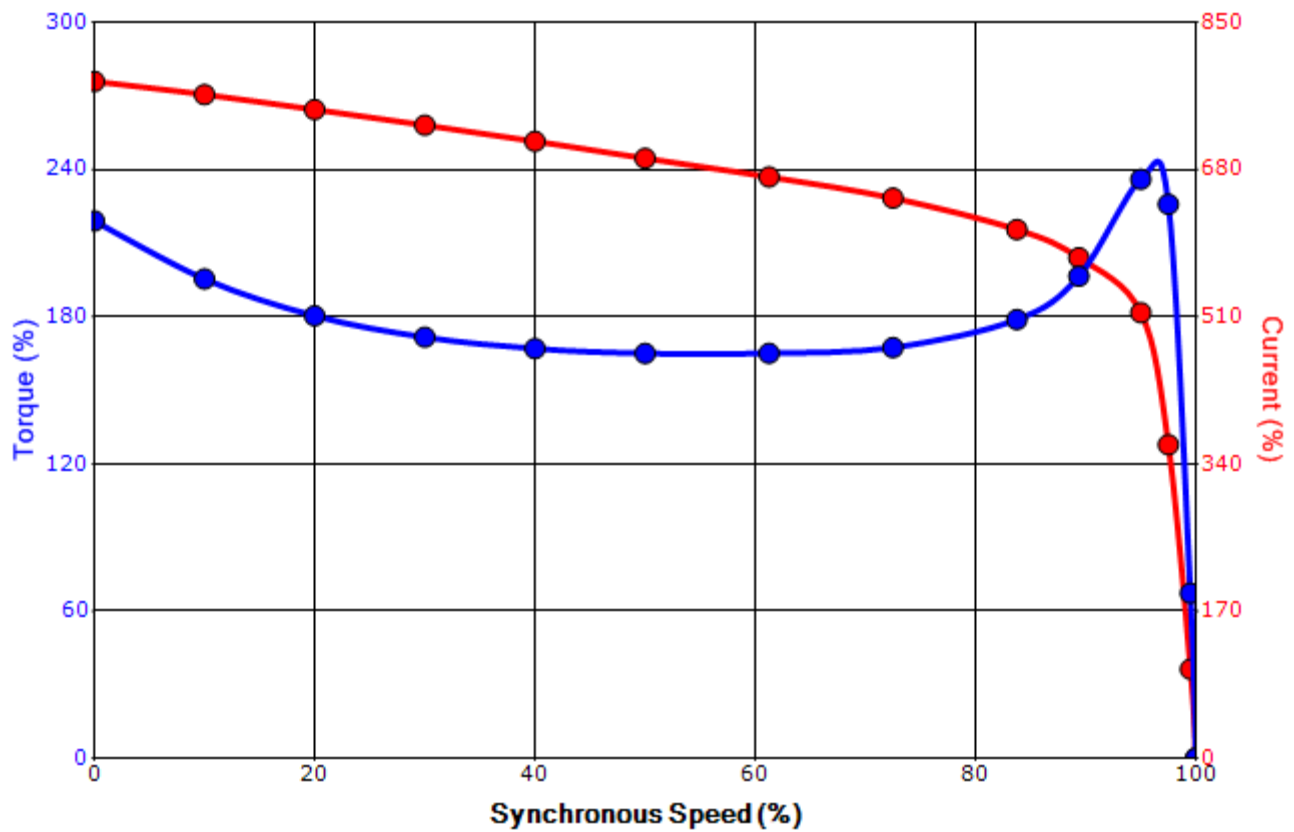
Issued Date	9/24/2019	Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 0404QDAB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30	4	1780	324T	460	60	3	49
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F		CONT	94.1	A	J	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque				Pull Up (%)	Break Down (%)	
		Full Load (lb-ft)	Locked Rotor (%)					
382.5	9.80	118	215		165	235		

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.

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Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/1
Engr. Date	2/27/2019	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.