

Unit: Metric [] reference dimension

UNITS: INCHES
 ROTATION FROM NDE
 CCW CW

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- 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 0.375"X0.375"X2.875" (MOTOR SUPPLIED WITH KEY)

TOTALLY ENCLOSED FAN COOLED



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TOSHIBA INTERNATIONAL CORPORATION

HORIZONTAL FOOT MOUNT
 3 PHASE INDUCTION MOTOR
 254T-256T F1 ASSEMBLY

DRAWING #: MDSL V118-01

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

REV. DESCRIP: FIRST ISSUE

TYPICAL MOTOR PERFORMANCE DATA

Model: 0204QDAB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
20	15	4	1770	256T	460	60	3	25
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.25	CONT	93.0	A		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	20.00	14.9	25	92.4	79.7
¾ Load	15.00	11.2	20	91.8	74.9
½ Load	10.00	7.5	16.1	89.8	64.6
¼ Load	5.00	3.7	11.1	83.6	50.1
No Load			10.5		5.1
Locked Rotor			160		41.5

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
59.3	260	215	280	3.18

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15		6309ZZC3	6309ZZC3	

*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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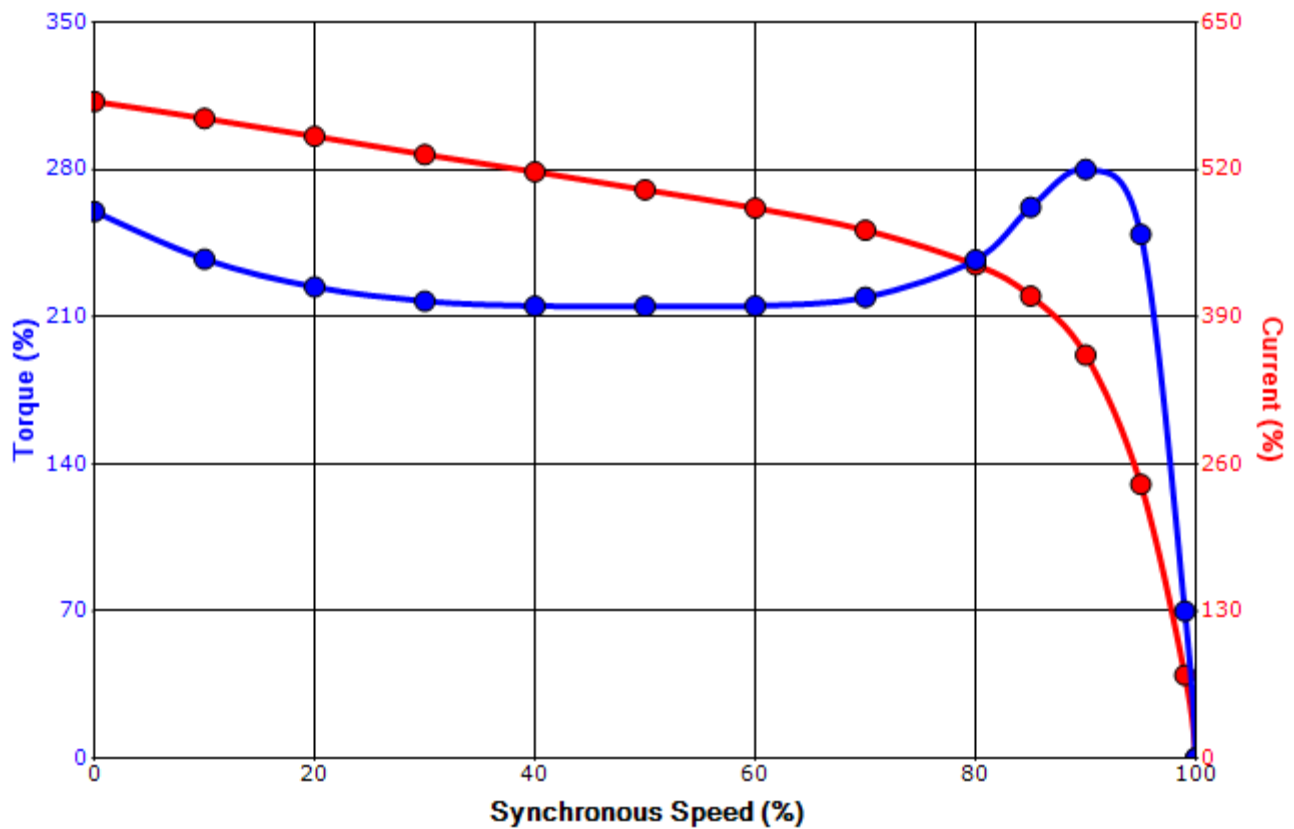
Engineering	bmmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	1/15/2021	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0204QDAB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
20	15	4	1770	256T	460	60	3	25
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.25	CONT	93.0	A		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
160	3.18	59.3	260	215	280			

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 / 0
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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.