

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 05X0.5X3.25" (MOTOR SUPPLIED WITH KEY)

TOTALLY ENCLOSED FAN COOLED
 HORIZONTAL FOOT MOUNT
 3 PHASE INDUCTION MOTOR
 DRAWING #: MDSL V119-01

TOSHIBA SEVERE DUTY **ECP Global**
 www.toshiba.com/tic
TOSHIBA INTERNATIONAL CORPORATION

REV. DATE: 05/22/19 REV. #: 00 PER: L.LIAN
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284T/286T F1 ASSEMBLY



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

TYPICAL MOTOR PERFORMANCE DATA

Model: 0254QDAC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	4	1775	284T	575	60	3	24
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F		CONT	93.6	A	J	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	25	18.6	24.0	94.4	81.2
¾ Load	18.75	14.0	19.4	93.6	77.2
½ Load	12.50	9.3	15.0	91.4	68.1
¼ Load	6.25	4.7	10.2	84.7	53.8
No Load			10.8		6.5
Locked Rotor			191.5		38.6

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
74	265	205	255	5.23

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
27	15		6310ZC3	6310ZC3	

*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	3/14/2019	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019



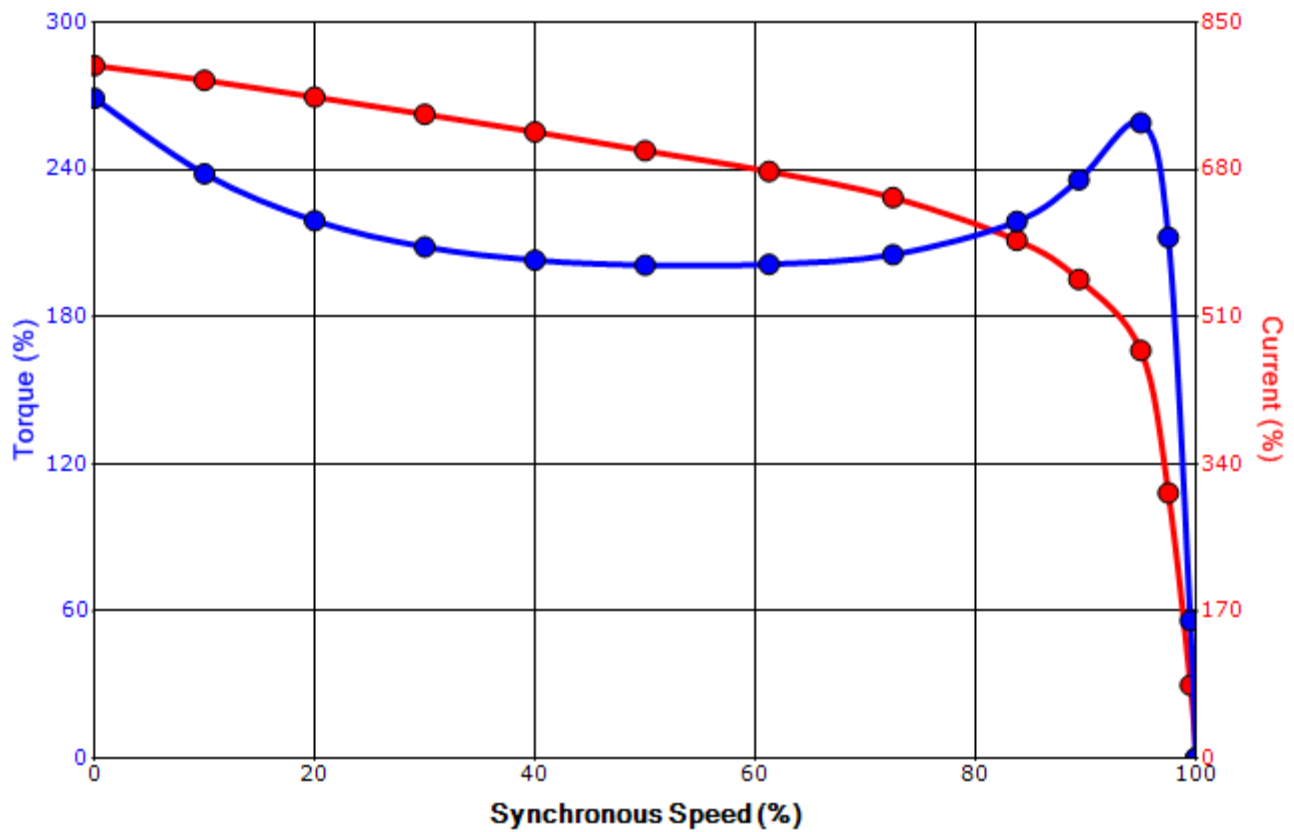
Issued Date	9/24/2019	Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 0254QDAC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	4	1775	284T	575	60	3	24
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F		CONT	93.6	A	J	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
191.5	5.23	74	265	205	255			

Design Values



Customer		wk ² Load Inertia (lb-ft ²)	-
Customer PO		Load Type	-
Sales Order		Voltage (%)	100
Project #		Accel. Time	-

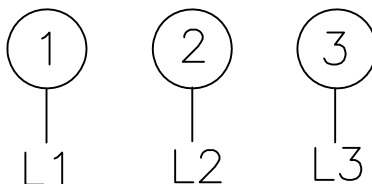
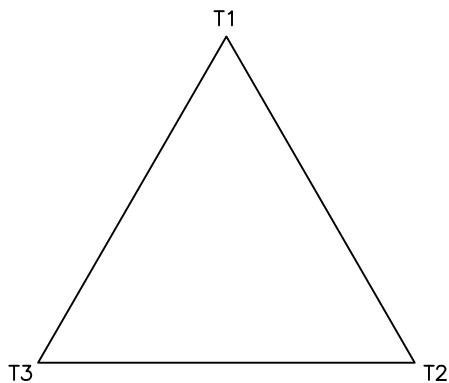
Tag:

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Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/1
Engr. Date	3/14/2019	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.