

#### 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

0.500"x 0.500"x 3.25"

(MOTOR SUPPLIED WITH KEY)

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

PRELIMINARY

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

X CERTIFIED



TOTALLY ENCLOSED FAN COOLED
ROUND BODY C-FACED
3 PHASE INDUCTION MOTOR
284TC-286TC F1 ASSEMBLY



Issued Date	12/19/2024	Transmit #	
Issued By	dschoeck	Issued Rev	

#### **TYPICAL MOTOR PERFORMANCE DATA**

Model: 0156XDSC44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15	11	6	1175	284TC	575	60	3	15.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	91.7	В		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	15.00	11.2	15.7	92.1	77.8
¾ Load	11.25	8.4	12.6	91.7	72.5
½ Load	7.50	5.6	10.0	89.9	62.4
¼ Load	3.75	2.8	6.6	84.8	49.9
No Load			7.4		4.5
Locked Rotor			94		43.1

Torque						
Full Load	Full Load Locked Rotor Pull Up Break Down					
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)		
67.0	250	165	280	4.68		

Safe Stall Time(s)		Sound	Bearin	Approx. Motor Weight		
Cold	Hot	Pressure	Bearings*			
Cold		dB(A) @ 1M	DE	NDE	(lbs)	
35	15	-	6310C3	6310C3	403	

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

Motor Options: Product Family:EQP Global 841 Mounting:C-Face Round,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.							
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0		
Engr. Date	7/15/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011		



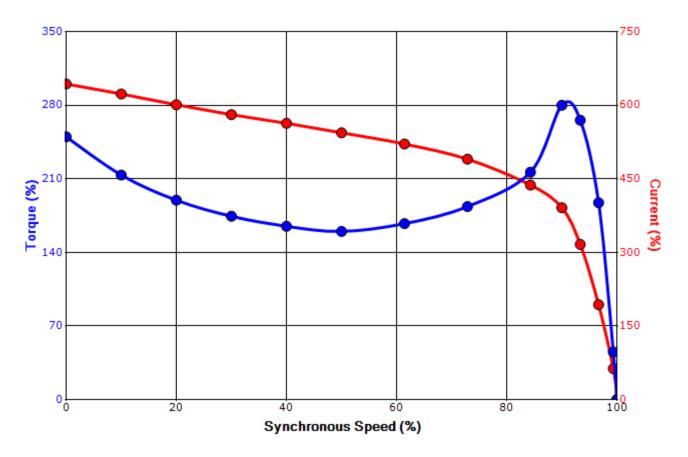
Issued Date	12/19/2024	Transmit #	
Issued By	dschoeck	Issued Rev	

### SPEED TORQUE/CURRENT CURVE

Model: 0156XDSC44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15	11	6	1175	284TC	575	60	3	15.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	91.7	В		40 C
Looked Beter	Rotor wk <sup>2</sup>	Torque						
Locked Rotor Amps	Inertia	Full Load	Locked Rotor		Pull Up	)	Break	Down
Amps	(lb-ft²)	(lb-ft)	(%	(%)			(%	<b>%)</b>
94	4.68	67.0	25	250			28	30

# Design Values





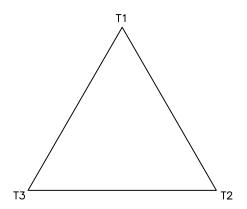
Customer	wk² Load Inertia (lb	ft²) -
Customer PO	Load T	/pe -
Sales Order	Voltage	<b>(%)</b> 100
Project #	Accel. T	me -

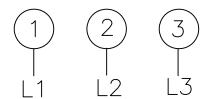
Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.							
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0		
Engr. Date	7/15/2024	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.

By: R. Murillo Date: 4/9/08 Checked: MDC Date: 5/17/11 Revision 0