

#### 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 3.88"

(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
324TC-326TC F1 ASSEMBLY

DRAWING #:	MDSLV205-06					
REV. DATE:	07/09/18	REV. #:	1	PER.: M. O'DOWD		
REV. DESCRIP.:						



Issued Date	6/19/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

### **TYPICAL MOTOR PERFORMANCE DATA**

Model: 0306SDSR44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30	22	6	1180	326TC	230/460	60	3	74/37
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	93.0	В		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	30.00	22.4	37	92.8	81.0
¾ Load	22.50	16.8	29	92.5	77.0
½ Load	15.00	11.2	23	91.1	66.7
¼ Load	7.50	5.6	15.7	85.9	51.8
No Load			14.7		4.7
Locked Rotor			217		38.3

Torque							
Full Load	Locked Rotor	Pull Up	Break Down	Inertia			
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)			
134	220	170	265	12.34			

Safe Stall	Time(s)	Sound	Bearin	Approx. Motor Weight	
Cold	Hot	Pressure	Dearin		
Join	Cold	dB(A) @ 1M	DE	NDE	(lbs)
35	15	-	6312ZC3	6312ZC3	573

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

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

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0			
Engr. Date	6/18/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			



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Issued By	dschoeck	Issued Rev	

### **TYPICAL MOTOR PERFORMANCE DATA**

Model: 0306SDSR44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30	22	6	970	326TC	190/380	50	3	92/46
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	91.7	В		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	30.00	22.4	46	93.0	80.0
¾ Load	22.50	16.8	34	93.9	76.3
½ Load	15.00	11.2	26	94.1	67.6
¼ Load	7.50	5.6	19.3	85.2	51.7
No Load			13.8		4.6
Locked Rotor			287		34.8

Torque							
Full Load	Locked Rotor	Pull Up	Break Down	Inertia			
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)			
162	165	155	205	12.34			

Safe Stall	Time(s)	Sound	Bearings*		Approx. Motor Weight
Cold	Hot	Pressure			
		dB(A) @ 1M	DE	NDE	(lbs)
37	15	-	6312ZC3	6312ZC3	573

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

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

Customer	
Customer PO	
Sales Order	
Project #	

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TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.						
Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0	
Engr. Date	6/17/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011	



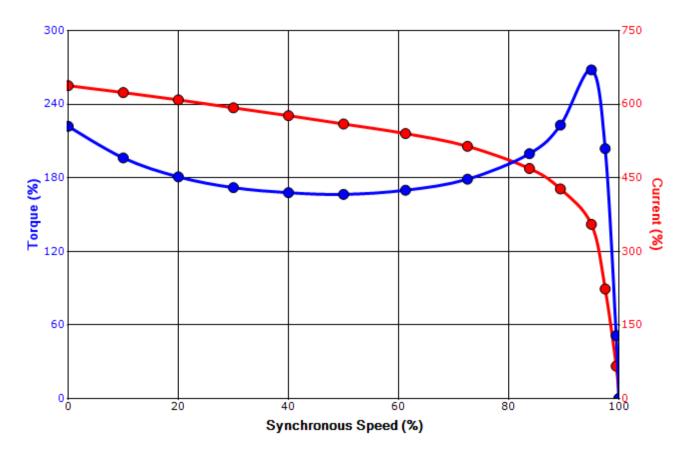
Issued Date	6/19/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

# SPEED TORQUE/CURRENT CURVE

Model: 0306SDSR44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30	22	6	1180	326TC	230/460	60	3	74/37
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	93.0	В		40 C
Locked Rotor	Rotor wk <sup>2</sup>				Torque			
Amps	Inertia	Full Load	Locked	Rotor	Pull Up	)	Break	Down
Allips	(lb-ft²)	(lb-ft)	(%	<b>6</b> )	(%)		(%	<b>6</b> )
217	12.34	134	22	0	170		26	35

# Design Values





Customer	wk² Load Inertia (Ib-f	2) -	
Customer PO	Load Typ	е -	
Sales Order	Voltage (%	6) 100	
Project #	Accel. Tim	е -	

Tag:

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.							
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0		
Engr. Date	6/18/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011		



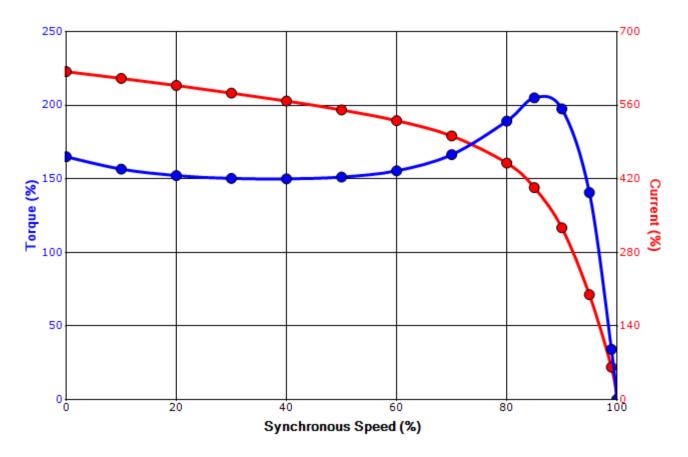
Issued Date	6/19/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

# SPEED TORQUE/CURRENT CURVE

Model: 0306SDSR44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30	22	6	970	326TC	190/380	50	3	92/46
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	91.7	В		40 C
Laskad Datas	Rotor wk <sup>2</sup>		Torque					
Locked Rotor	Inertia	Full Load	Locked	Rotor	Pull Up	)	Break	Down
Amps	(lb-ft²)	(lb-ft)	(%	<b>5</b> )	(%)		(%	<b>%</b> )
287	12.34	162	16	165			20	05

# Design Values





Customer	wk² Load Inertia (Ib-f	2) -	
Customer PO	Load Typ	е -	
Sales Order	Voltage (%	6) 100	
Project #	Accel. Tim	е -	

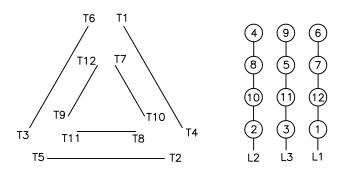
Tag:

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.						
Engineering	jhock	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0	
Engr. Date	6/17/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011	

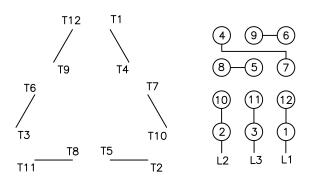
# Motor Connection Diagrams <a href="mailto:12">12 Leads</a>

## Across-the-Line Starting / Running Connections

Low Voltage Delta



High Voltage Delta



Switch L1 and L2 to reverse rotation

Suitable for Wye-Delta Starting and Limited Part-Winding-Starting. Please Contact Toshiba International for specific connections.

By: R. Murillo Date: 4/9/08 Checked: MDC Date: 5/17/11 Revision 1



Issued Date:	6/19/2025	Transmit #:	
Issued By:	dschoeck	Issued Rev:	

#### **SPARE PARTS LIST\***

Model: 0306SDSR44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30	22	6	1180	326TC	230/460	60	3	74/37
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	93.0	В		40 C

 Bearings DE
 6312ZC3 / 60BC03JP3OX

 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 #	

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TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.										
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0					
Engr. Date	6/18/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011					