

**TECHNICAL INFORMATION**

- BEARING LUBRICATION DE: POLYREX EM  
ODE: POLYREX EM
- BEARING TYPE DE: SEE TABLE  
ODE: 6318C3
- WINDING TEMP. DETECTORS  
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)  
LOCATION: IN STATOR SLOT
- BEARING TEMP. DETECTORS  
NUMBER AND TYPE: N/A
- SPACE HEATER 1 PHASE  
VOLTS: 120V WATTS: 240W
- ROTATION: CCW VIEWED FROM NON DRIVE END  
THIS MOTOR IS BI DIRECTIONAL
- MOTOR PAINT COLOR: GREEN
- APPROX. WEIGHT: 4000 Lbs
- ACCESORIES:

DRIVE END BEARINGS		
BELT DRIVE APP.	DIRECT COUPLE APP.	
LS 4-8P	LS 6-8P	LS 4P
NU322C3	6322C3	6318C3

**DRAWING LIST**

MAIN TERMINAL BOX	
130P-7622-55W	
AUX TERMINAL BOX FOR	
SPACE HEATER	130P-7520-50
R.T.D.	130P-7522-51
THERMISTOR	-
PRODUCTION #	-
UNITS:	INCHES

NO.	REVISION	BY	DATE
0	FIRST ISSUE	ME	7/24/19

**MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR**

CUSTOMER NAME				P.O. NO.		MOTOR TAG NO.	
OUTPUT HP	POLE 4-8	VOLTAGE 2.3/4k V	FREQUENCY Hz	FULL LOAD SPEED (min <sup>-1</sup> )	TOSHIBA MODEL NO.		
TYPE	FORM	INS. CLASS F	RATING CONT.	FRAME B447/9T	S.F.	ENCLOSURE TEFC	
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.							
3rd ANGLE PROJ.	PREPARED BY: M.Easterbrook	DATE: 7/24/19	CHECKED BY:	DATE:	DRAWING NO.: MDSL0072-43	REV. 0	

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 3006XDAK41A-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
300	224	6	1185	B449T	2300/4000	60	3	71/41
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	95.0	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	300.00	223.7	40	95.2	83.2
¾ Load	225.00	167.8	31	94.7	81.1
½ Load	150.00	111.9	23	93.4	74.8
¼ Load	75.00	55.9	16.2	88.7	56.1
No Load			13.3		3.3
Locked Rotor			244		24.2

Torque				Rotor wk <sup>2</sup>
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft <sup>2</sup> )
1330	140	115	245	187.49

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	85	6322C3	6318C3	

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

**Motor Options:**  
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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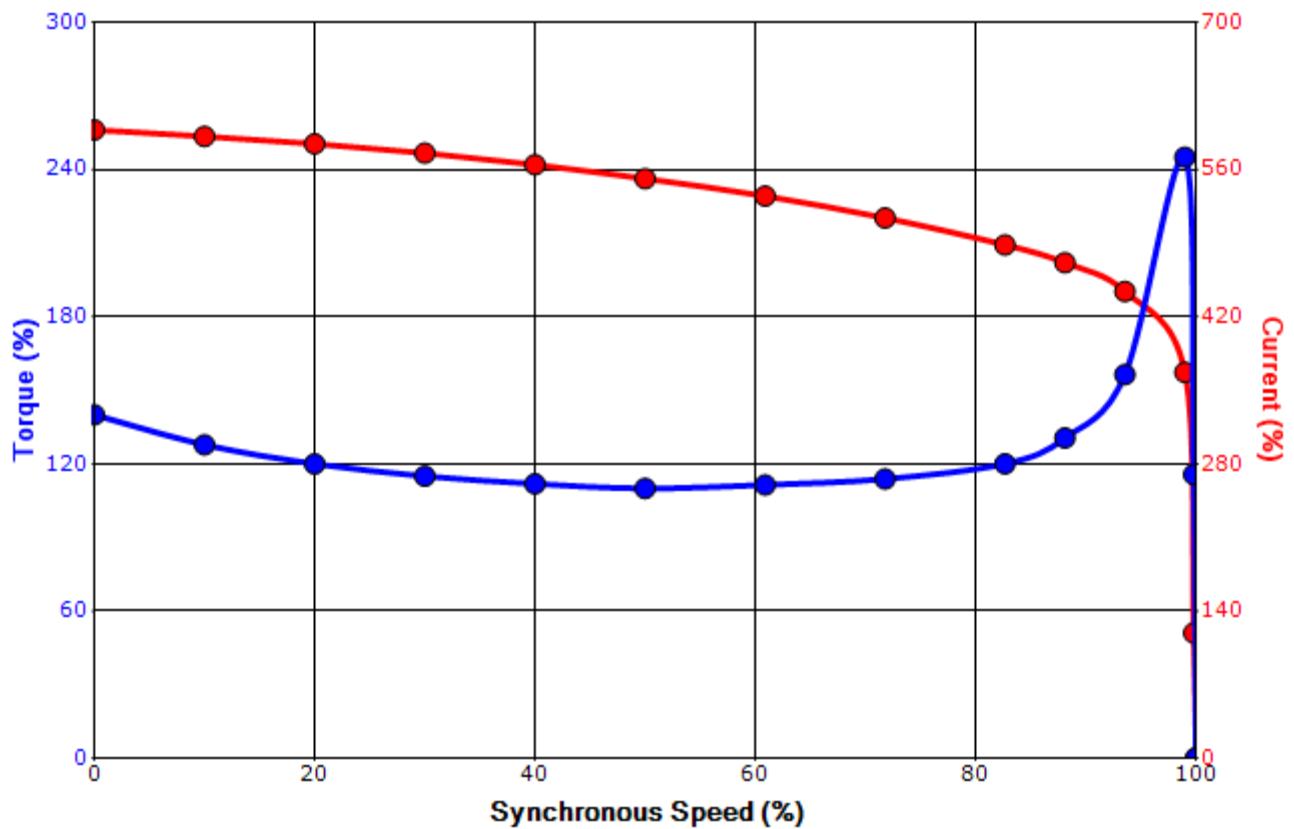
Engineering	rodrigue	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	2/12/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 3006XDAK41A-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
300	224	6	1185	B449T	2300/4000	60	3	71/41
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	95.0	B		40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
244	187.49	1330	140	115			245	

**Design Values**



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

Tag:

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

Engineering	rodrigue	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	2/12/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

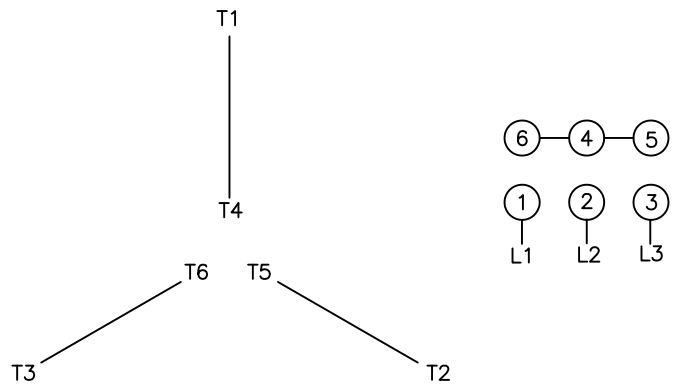
**Motor Connection Diagrams**  
6 Leads

Across-the-Line Starting / Running Connections

Low Voltage – Delta



High Voltage – Wye



Switch L1 and L2 to reverse rotation