

TOSHIBA INTERNATIONAL CORPORATION Industrial Division / Houston Motor Plant SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS	INDEX	MPCF-1033
	SHEET NO.	1 of 1
	ISSUED	11/08/96
	SUPERSEDES	10/06/95
	REVISION	1
	WRITTEN BY	R. EVANS
	APPROVED BY	<i>Jay Bugbee</i>

Customer Tag:

CUSTOMER:

TIC SR No.:

Customer PO:

MOTOR NAMEPLATE DATA			
H.P.: 2	VOLTS: 230/460	3 Ø / 60 Hz	S. RPM: 3600
FRAME: 145TC	ENCL: TEFC	FLAMPS: 5.2/2.6	FLRPM: 3490
FORM: FCKL1	S.F.: 1.15	NEMA DESIGN: B	INSUL CLASS: F
TYPE: IKH	AMB.: 40C	CODE: L	DUTY: CONT.
MODEL No.: 0022SDSR47A-P		kW: 1.5	Serial No.:
NOM. EFF.: 85.5	MIN. EFF.:	P.F.: 83.5	

AMPERAGE Locked Rotor: 47/23.5	TORQUES FULL LOAD (lb-ft.): 3.0 LOCKED ROTOR (%): 275 BREAK DOWN (%): 363	** BEARINGS: Drive End: 6305ZZC3 Opposite Drive End: 6305ZZC3
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EFFICIENCY (%) FULL LOAD: 85.6 3/4 LOAD: 84.9 1/2 LOAD: 82.2	POWER FACTOR (%) FULL LOAD: 84.4 3/4 LOAD: 79.8 1/2 LOAD: 69.5
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ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE, FREQUENCY AND SINEWAVE POWER INPUT. * TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS DEFINED BY NEMA-MG-12.43 OR -20.40. ** BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).
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CERTIFIED BY:
DATE:

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Customer Tag:

CUSTOMER:

TIC SR No.:

Customer PO:

MOTOR NAMEPLATE DATA				
H.P.: 2	VOLTS: 190/380	3 Ø / 50	Hz	S. RPM: 3000
FRAME: 145TC	ENCL: TEFC	FLAMPS:		FLRPM: 2840
FORM: FCKL1	S.F.: 1	NEMA DESIGN:		INSUL CLASS: F
TYPE: IKH	AMB.: 40C	CODE: L		DUTY: CONT.
MODEL No.: 0022SDSR47A-P		kW: 1.5		Serial No.:
NOM. EFF.: 80	MIN. EFF.:	P.F.: 88.0		

AMPERAGE	TORQUES	** BEARINGS:
Locked Rotor:	FULL LOAD (lb-ft.): 0.0	Drive End: 6305ZZC3
	LOCKED ROTOR (%):	Opposite Drive End: 6305ZZC3
	BREAK DOWN (%):	

EFFICIENCY (%)	POWER FACTOR (%)
FULL LOAD: 84.0	FULL LOAD: 84.5
3/4 LOAD: 85.4	3/4 LOAD: 79.6
1/2 LOAD: 84.9	1/2 LOAD: 69.3

ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE, FREQUENCY AND SINEWAVE POWER INPUT. * TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS DEFINED BY NEMA-MG-12.43 OR -20.40. ** BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).
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CERTIFIED BY:
DATE:

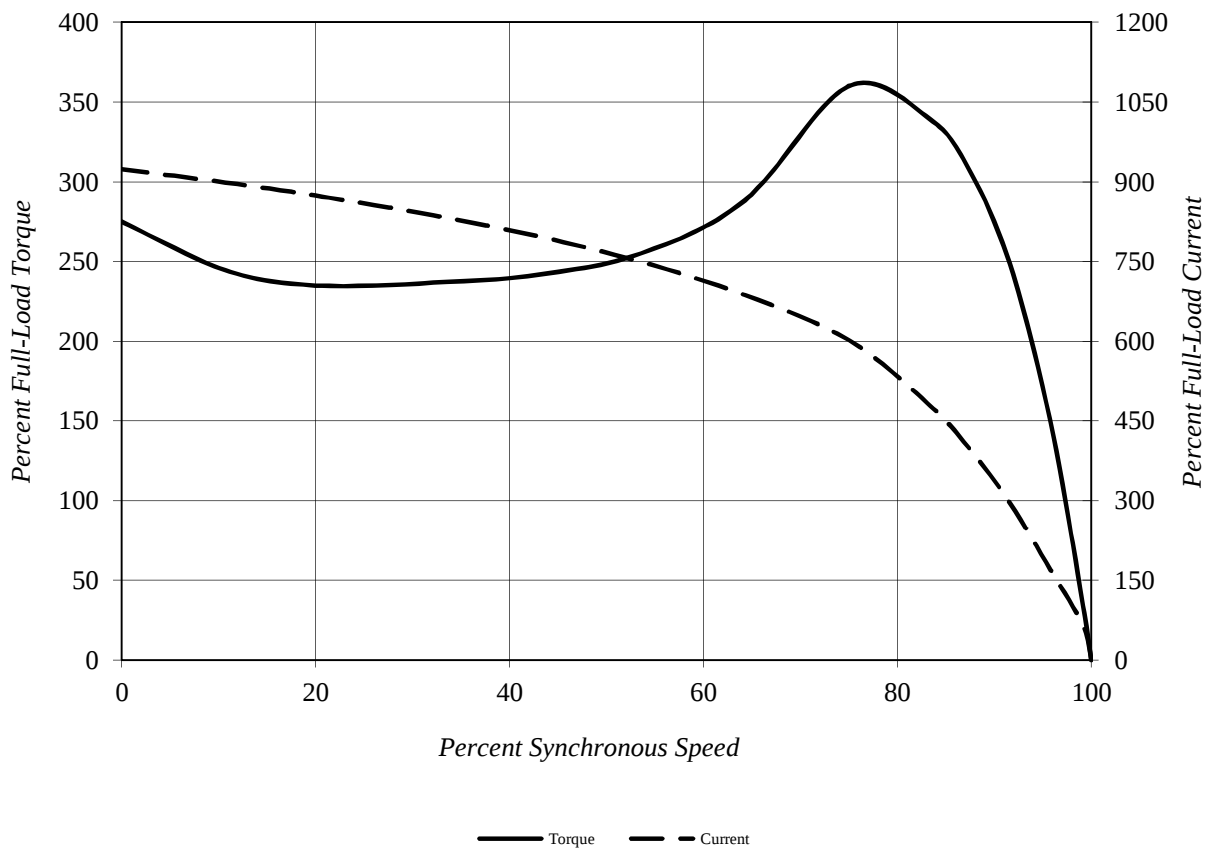
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0022SDSR47A-P			FLAmps:	2.6
Enclosure:	TEFC	Voltage:	460 V	Frame:	145TC
Pole:	2	Frequency:	3 PH / 60 Hz	Ins. Class:	F
HP:	2	Rotor Inertia:	0.06 lb-ft ²	Date:	28-Jul-2011
FLRPM:	3490	Load Inertia:	N/A	File:	KH2002

Locked Rotor Amps:	24	Load Type:	N/A
Locked Rotor Torque:	275%	Starting at:	N/A
Breakdown Torque:	360%	Accel. Time:	N/A
Rated Torque:	3 lb-ft		

Design Values



Comments: _____

D.E. Curve #: _____

Prepared by: Van Truong

Checked by:

TOSHIBA

Reliability in Motion

TOSHIBA INTERNATIONAL CORPORATION

INDUSTRIAL DIVISION

PO BOX 40906

HOUSTON TX 77240

(713) 466-0277

(800) 231-1412

FAX (713) 466-8773

SPARE PARTS (RECOMMENDED)

OTHER THAN THE GREASE USED FOR RE-GREASABLE 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 COMMERCIALY AVAILABLE ANTI-FRICTION BEARINGS, AS NOTED BELOW.

MOTOR COMPONENTS (SUCH AS TERMINAL BOXES, FAN COVERS, MACHINED PARTS) ARE AVAILABLE UPON SPECIAL REQUEST. IN THIS CASE, PLEASE ADVISE OUR ORDER ENTRY DEPARTMENT THE MODEL AND SERIAL NUMBERS (FOUND ON THE MOTOR NAMEPLATE) , AND A DESCRIPTION OF THE COMPONENT REQUIRED. THEY WILL THEN FURNISH THE CURRENT PART NUMBER, PRICE AND AVAILABILITY.

(NOTE: OUR INTERNAL PART NUMBERS ARE SUBJECT TO CHANGE WITHOUT NOTICE, AND ARE NOT PUBLISHED).

PLEASE ADVISE IF YOU HAVE ANY QUESTIONS.

CUSTOMER:

PURCHASE ORDER #

Customer Tag:

TOSHIBA FILE #

MODEL # **0022SDSR47A-P**

HP / RPM / ENCL / FRAME: **2** / **3600** / **TEFC** / **145TC**

DRIVE END BEARING: **6305ZZC3**

OPPOSITE DRIVE END BEARING: **6305ZZC3**

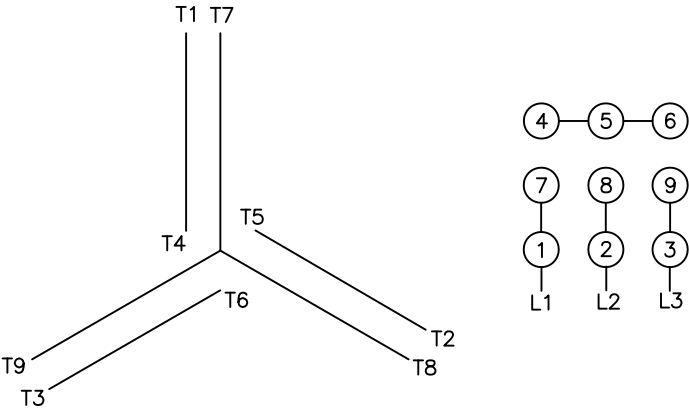
Prepared By:

Date:

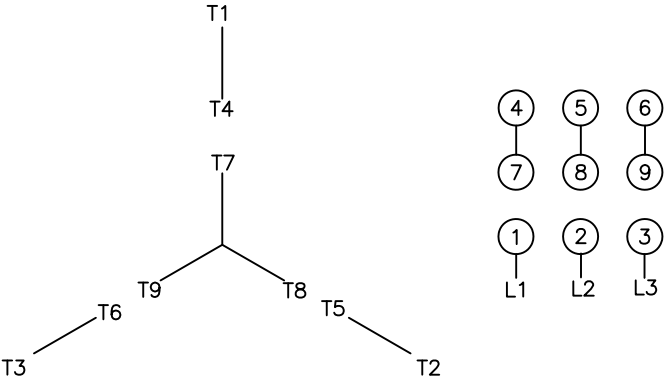
Motor Connection Diagrams
9 Leads

Across-the-Line Starting / Running Connections

Low Voltage Wye



High Voltage Wye



Switch L1 and L2 to reverse rotation