

ROTATION: CCW  
VIEW FROM : ODE

UNIT: mm

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT WITHOUT NOTICE. DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS CERTIFIED.

B3-FOOT MOUNTED MOTOR OL DRAWING IEC GLOBAL	TYPE: 2-4-6P - 400V
	FRAME: 132S
3HFN000154	
TOSHIBA TOSHIBA INTERNATIONAL CORPORATION	

TOLERANCES							
X.	±2.0						
X.X	±0.5						
X.XX	±0.1						
MAXIMUM MOTOR WEIGHT							
- lbs.							
- kgs.							
01	Adding tolerance dimension "H"	T.Danh	Sep-10-18	B.Quynh			
NO	REVISION	DRAWN BY	DATE	CHECK			

**EQP Global SD**  
XT SERIES

DRAWN BY: HIEN. NGUYEN  
CHECK BY: B.X.QUYNH  
APPROVED BY: JAY BUGBEE  
www.toshiba.com/ind

**TOSHIBA INTERNATIONAL CORPORATION**  
**Industrial Division / Houston Motor Plant**

**SQUIRREL CAGE INDUCTION MOTOR**  
**PERFORMANCE SPECIFICATIONS**

INDEX	MPCF-1033
SHEET NO.	1 of 1
ISSUED	7/31/13
SUPERSEDES	11/8/96
REVISION	2
WRITTEN BY	MDC
APPROVED BY	PAA

CUSTOMER: -  
TIC SR No.: -

**MOTOR NAMEPLATE DATA**

H.P.: -	VOLTS: 230/400	3 PH / 50 Hz	S. RPM: 1000
FRAME: 132S	ENCL: TEFC	FLAMPS: 11.5/6.6	FLRPM: 970
FORM: FBK1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: 0036SDMV7FS-PL		kW: 3	
NOM. EFF.: 85.6	MIN. EFF.: -	cosØ 0.73	

**AMPERAGE**

LOCKED ROTOR: 83/48

**TORQUES**

FULL LOAD (lb-ft.): 22  
LOCKED ROTOR (%): 295  
BREAK DOWN (%): 415

**\*\*BEARINGS:**

DRIVE END: REFER TO NP  
OPPOSITE DRIVE END: REFER TO NP

**EFFICIENCY**

FULL LOAD: 89.1  
3/4 LOAD: 88.9  
1/2 LOAD: 86.9

**POWER FACTOR**

FULL LOAD: 73.3  
3/4 LOAD: 67.2  
1/2 LOAD: 55.8

ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE,  
FREQUENCY AND SINEWAVE POWER INPUT.

THE DECLARED LOCKED ROTOR CURRENT HAS A TOLERANCE OF 20%.

\* TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS  
DEFINED BY NEMA-MG-12 OR -20.

\*\* BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).

**CERTIFIED BY:** Zichao Xie

**DATE:** 8/6/2020

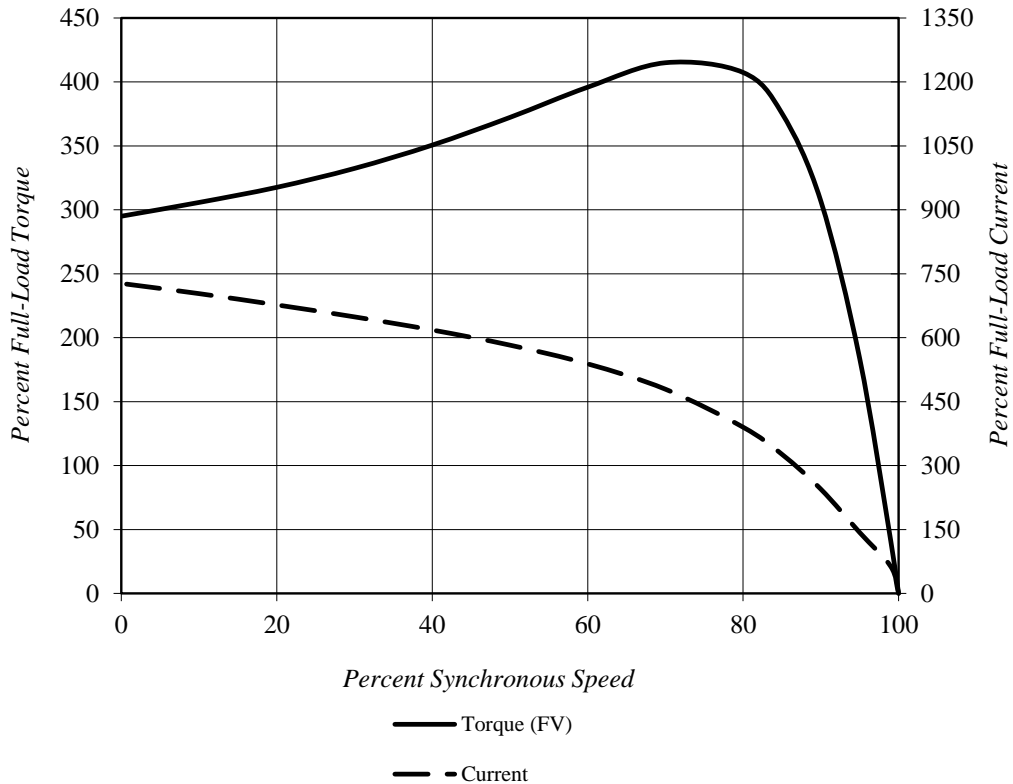
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	0036SDMV7FS-PL			<b>FLAmps:</b>	11.5/6.6
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	230/400 V	<b>Frame:</b>	132S
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	3	<b>Rotor Inertia:</b>	1.2 lb-ft <sup>2</sup>	<b>Date:</b>	8/6/2020
<b>FLRPM:</b>	970	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6003 (3kW)

<b>Locked Rotor Amps:</b>	83/48 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	295%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	415%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	22 lb-ft		

### *Design Values*



**Comments:** PROJECT -  
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**D.E. Curve #:** GH6003 (3kW)

**Prepared by:** Zichao Xie

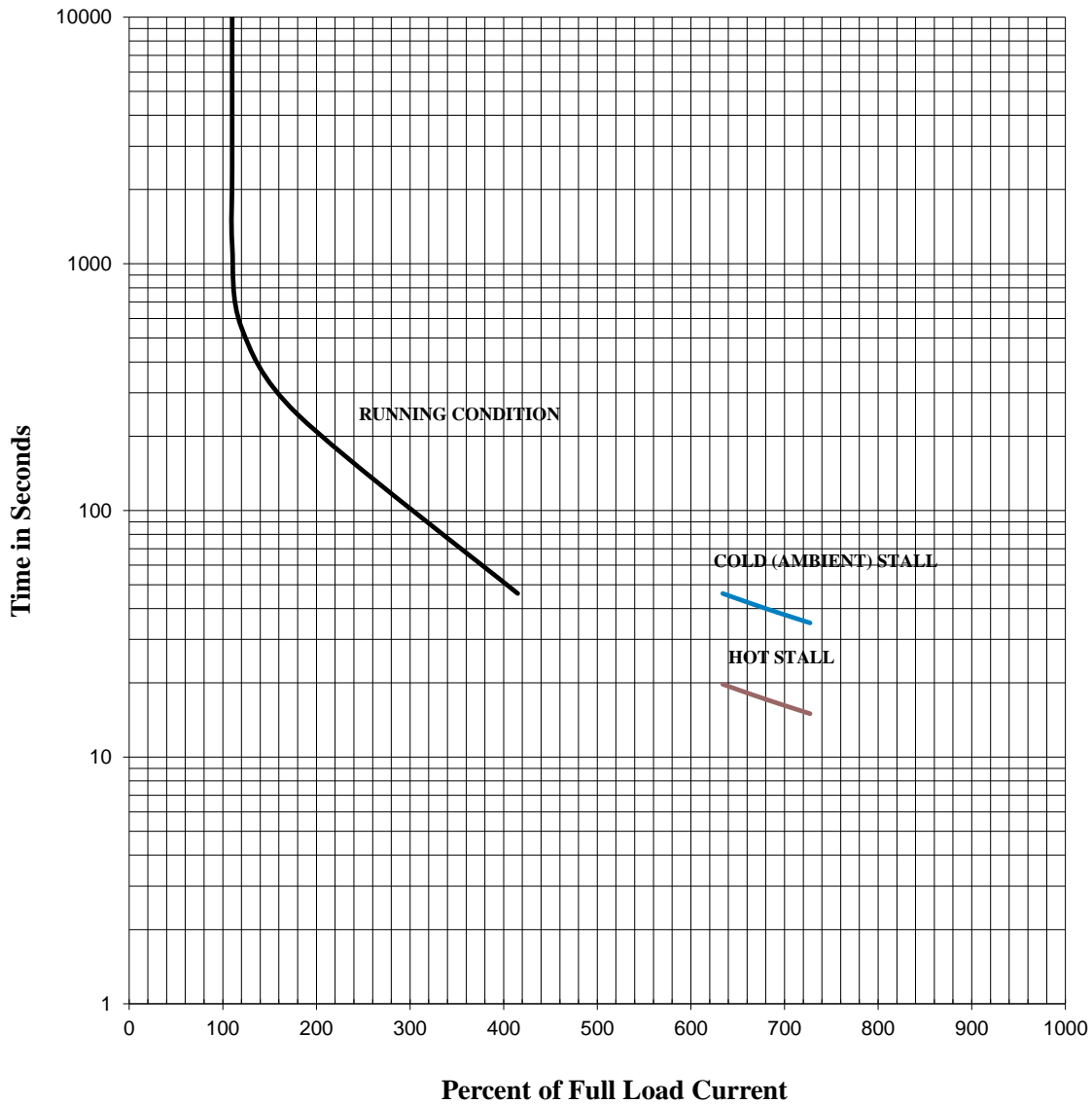
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	0036SDMV7FS-PL			<b>FLAmps:</b>	11.5/6.6
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	230/400 V	<b>Frame:</b>	132S
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	3	<b>Rotor Inertia:</b>	1.2 lb-ft <sup>2</sup>	<b>Date:</b>	8/6/2020
<b>FLRPM:</b>	970	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6003 (3kW)



**Comments:** PROJECT - \_\_\_\_\_  
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**D.E. Curve #:** GH6003 (3kW)

**Prepared by:** Zichao Xie

**Checked by:**

**TOSHIBA INTERNATIONAL CORPORATION**  
**Industrial Division / Houston Motor Plant**

**SQUIRREL CAGE INDUCTION MOTOR**  
**PERFORMANCE SPECIFICATIONS**

INDEX	MPCF-1033
SHEET NO.	1 of 1
ISSUED	7/31/13
SUPERSEDES	11/8/96
REVISION	2
WRITTEN BY	MDC
APPROVED BY	PAA

CUSTOMER: -  
TIC SR No.: -

**MOTOR NAMEPLATE DATA**

H.P.: -	VOLTS: 240/415	3 PH / 50 Hz	S. RPM: 1000
FRAME: 132S	ENCL: TEFC	FLAMPS: 11.1/6.4	FLRPM: 975
FORM: FBK1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: 0036SDMV7FS-PL		kW: 3	
NOM. EFF.: 85.6	MIN. EFF.: -	cosØ 0.73	

**AMPERAGE**

LOCKED ROTOR: 87/50

**TORQUES**

FULL LOAD (lb-ft.): 22  
LOCKED ROTOR (%): 325  
BREAK DOWN (%): 440

**\*\*BEARINGS:**

DRIVE END: REFER TO NP  
OPPOSITE DRIVE END: REFER TO NP

**EFFICIENCY**

FULL LOAD: 89.6  
3/4 LOAD: 89.2  
1/2 LOAD: 86.8

**POWER FACTOR**

FULL LOAD: 73.0  
3/4 LOAD: 66.2  
1/2 LOAD: 54.3

ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE,  
FREQUENCY AND SINEWAVE POWER INPUT.

THE DECLARED LOCKED ROTOR CURRENT HAS A TOLERANCE OF 20%.

\* TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS  
DEFINED BY NEMA-MG-12 OR -20.

\*\* BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).

**CERTIFIED BY:** Zichao Xie

**DATE:** 8/6/2020

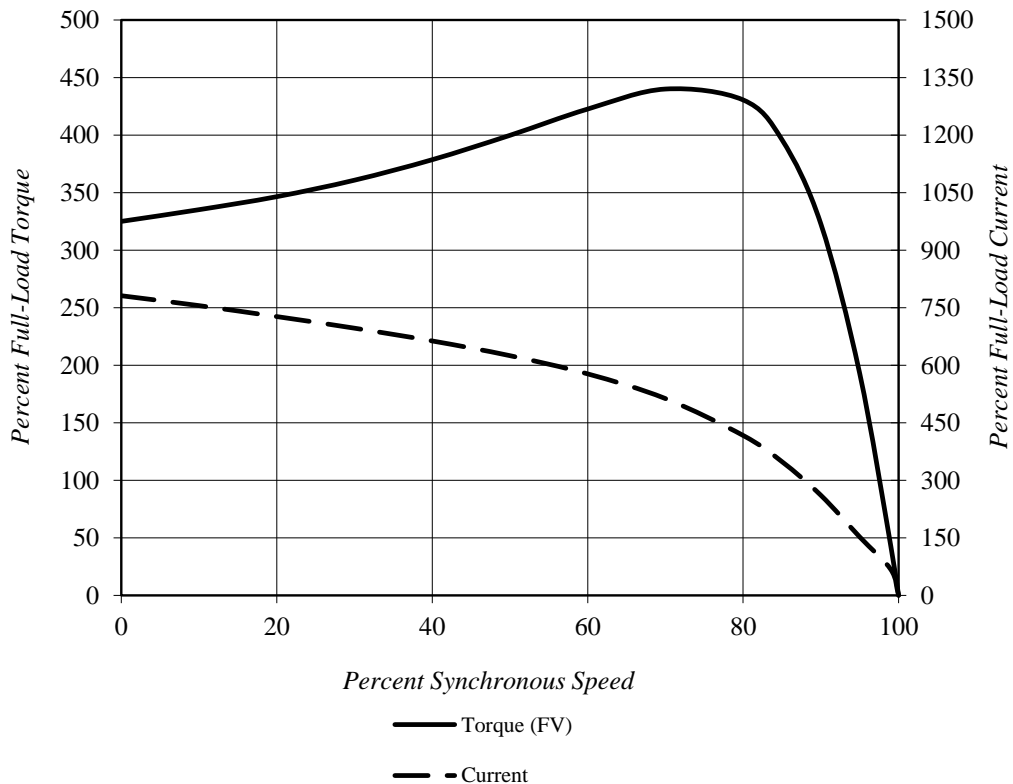
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	0036SDMV7FS-PL			<b>FLAmps:</b>	11.1/6.4
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	240/415 V	<b>Frame:</b>	132S
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	3	<b>Rotor Inertia:</b>	1.2 lb-ft <sup>2</sup>	<b>Date:</b>	8/6/2020
<b>FLRPM:</b>	975	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6003 (3kW)

<b>Locked Rotor Amps:</b>	87/50 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	325%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	440%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	22 lb-ft		

### *Design Values*



**Comments:** PROJECT -  
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**D.E. Curve #:** GH6003 (3kW)

**Prepared by:** Zichao Xie

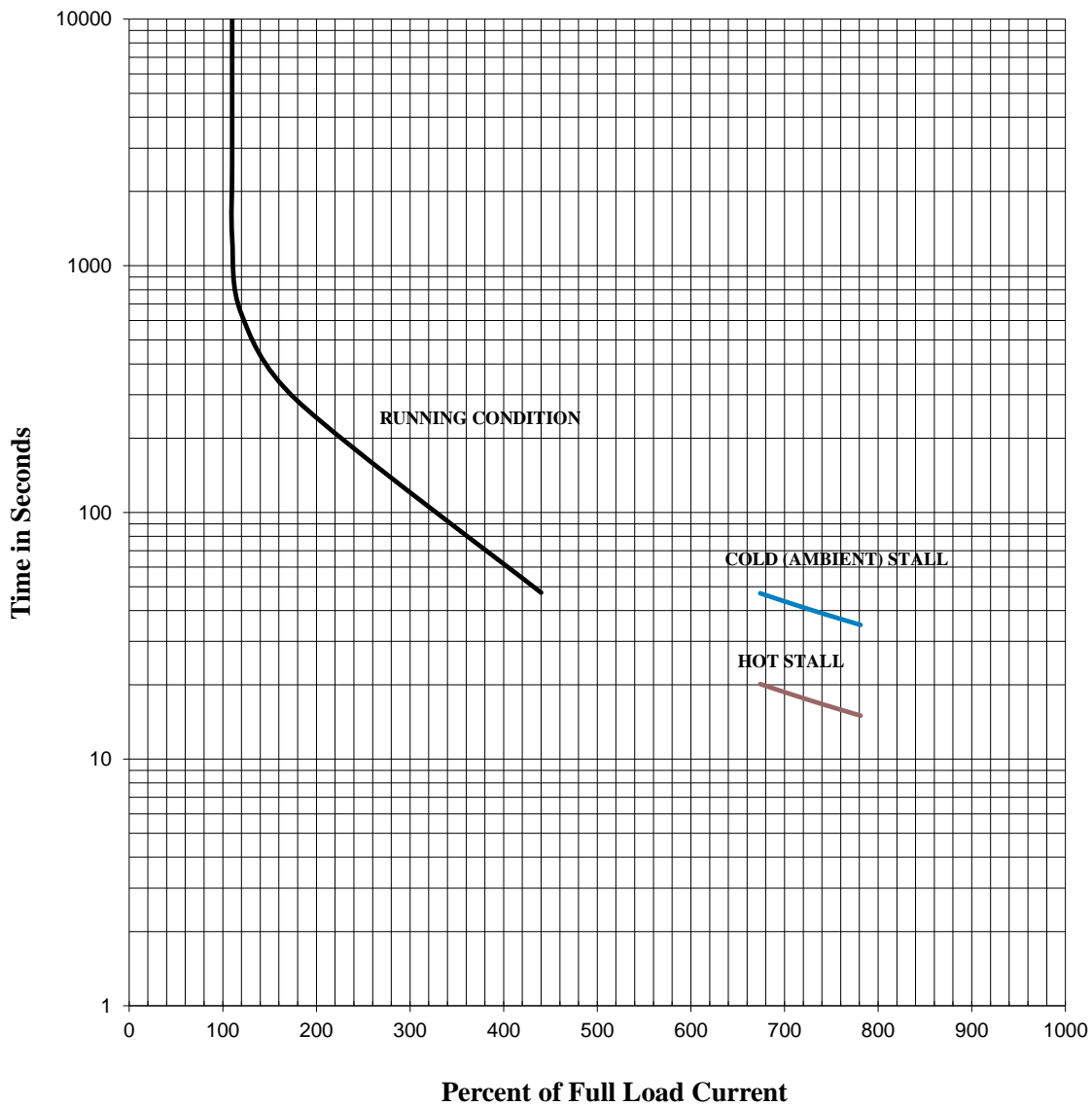
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	0036SDMV7FS-PL			<b>FLAmps:</b>	11.1/6.4
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	240/415 V	<b>Frame:</b>	132S
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	3	<b>Rotor Inertia:</b>	1.2 lb-ft <sup>2</sup>	<b>Date:</b>	8/6/2020
<b>FLRPM:</b>	975	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6003 (3kW)



**Comments:** PROJECT - \_\_\_\_\_  
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**D.E. Curve #:** GH6003 (3kW)

**Prepared by:** Zichao Xie

**Checked by:**

<b>TOSHIBA INTERNATIONAL CORPORATION</b> Industrial Division / Houston Motor Plant  <b>SQUIRREL CAGE INDUCTION MOTOR</b> <b>PERFORMANCE SPECIFICATIONS</b>	INDEX	MPCF-1033
	SHEET NO.	1 of 1
	ISSUED	7/31/13
	SUPERSEDES	11/8/96
	REVISION	2
	WRITTEN BY	MDC
	APPROVED BY	PAA

CUSTOMER: -  
TIC SR No.: -

MOTOR NAMEPLATE DATA			
H.P.: -	VOLTS: 220/380	3 PH / 50 Hz	S. RPM: 1000
FRAME: 132S	ENCL: TEFC	FLAMPS: 11.6/6.7	FLRPM: 965
FORM: FBK1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: 0036SDMV7FS-PL		kW: 3	
NOM. EFF.: 85.6	MIN. EFF.: -	cosØ 0.76	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 78/45	FULL LOAD (lb-ft.): 22	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 260	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 375	

EFFICIENCY	POWER FACTOR
FULL LOAD: 88.8	FULL LOAD: 76.2
3/4 LOAD: 89.0	3/4 LOAD: 70.8
1/2 LOAD: 87.5	1/2 LOAD: 60.1

ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE, FREQUENCY AND SINEWAVE POWER INPUT.  
THE DECLARED LOCKED ROTOR CURRENT HAS A TOLERANCE OF 20%.  
\* TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS DEFINED BY NEMA-MG-12 OR -20.  
\*\* BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).

**CERTIFIED BY:** Zichao Xie  
**DATE:** 8/6/2020



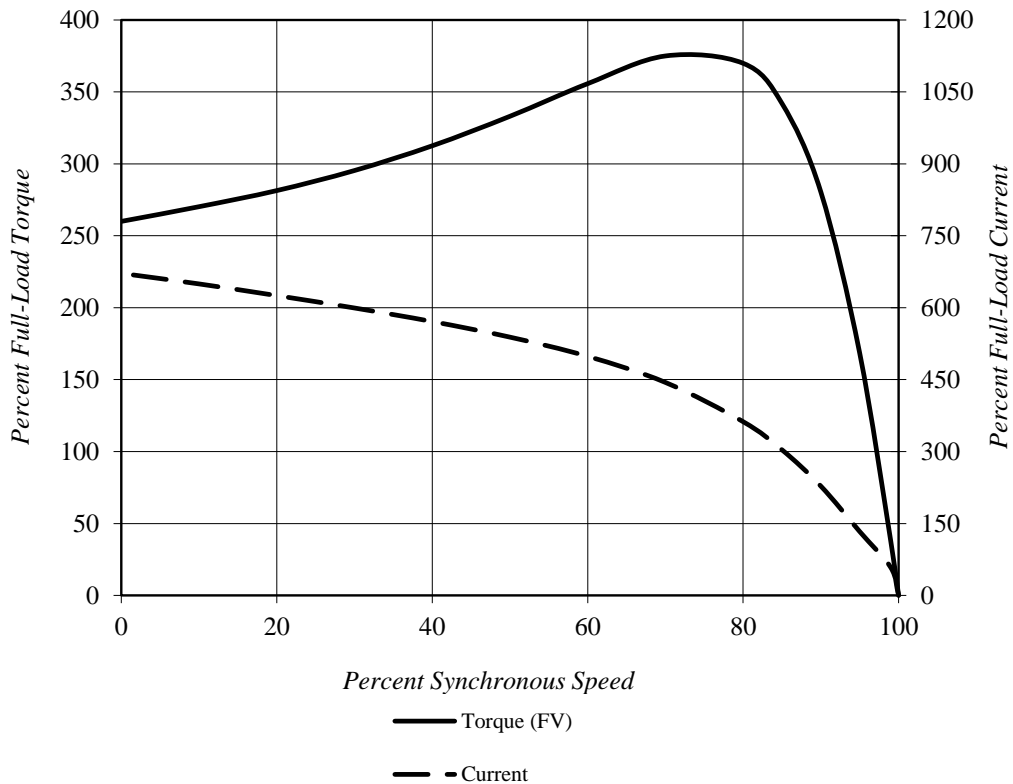
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	0036SDMV7FS-PL			<b>FLAmps:</b>	11.6/6.7
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	220/380 V	<b>Frame:</b>	132S
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	3	<b>Rotor Inertia:</b>	1.2 lb-ft <sup>2</sup>	<b>Date:</b>	8/6/2020
<b>FLRPM:</b>	965	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6003 (3kW)

<b>Locked Rotor Amps:</b>	78/45 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	260%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	375%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	22 lb-ft		

### *Design Values*



**Comments:** PROJECT -  
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**D.E.Curve #:** GH6003 (3kW)

**Prepared by:** Zichao Xie

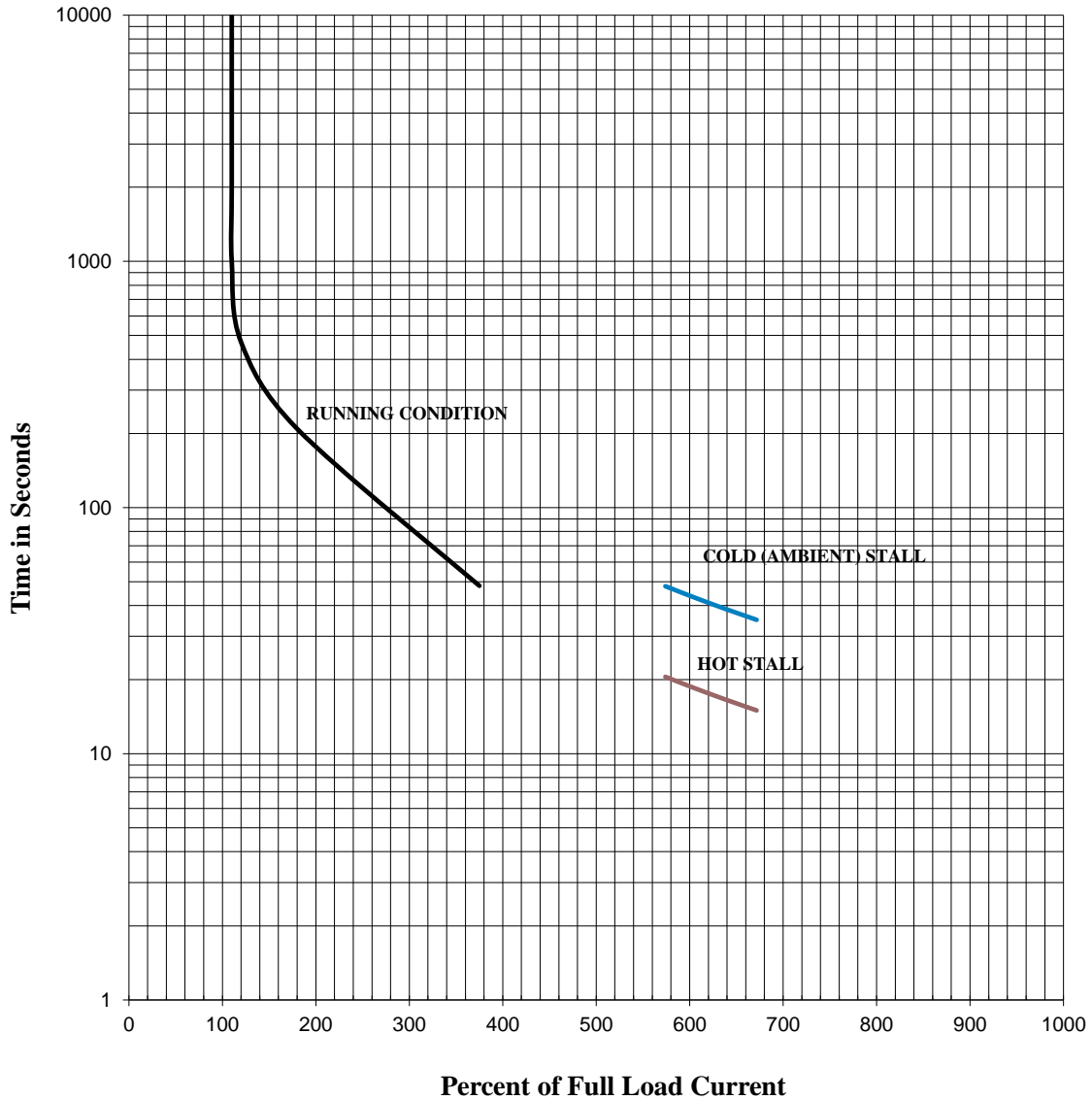
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	0036SDMV7FS-PL			<b>FLAmps:</b>	11.6/6.7
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	220/380 V	<b>Frame:</b>	132S
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	3	<b>Rotor Inertia:</b>	1.2 lb-ft <sup>2</sup>	<b>Date:</b>	8/6/2020
<b>FLRPM:</b>	965	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6003 (3kW)



**Comments:** PROJECT \_\_\_\_\_  
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**D.E. Curve #:** GH6003 (3kW)

**Prepared by:** Zichao Xie

**Checked by:**

<b>TOSHIBA INTERNATIONAL CORPORATION</b> Industrial Division / Houston Motor Plant  <b>SQUIRREL CAGE INDUCTION MOTOR</b> <b>PERFORMANCE SPECIFICATIONS</b>	INDEX	MPCF-1033
	SHEET NO.	1 of 1
	ISSUED	7/31/13
	SUPERSEDES	11/8/96
	REVISION	2
	WRITTEN BY	MDC
	APPROVED BY	PAA

CUSTOMER: -  
TIC SR No.: -

MOTOR NAMEPLATE DATA			
H.P.: 4	VOLTS: 460	3 PH / 60 Hz	S. RPM: 1200
FRAME: 132S	ENCL: TEFC	FLAMPS: 5.9	FLRPM: 1175
FORM: FBK1	S.F.: 1.15	NEMA DESIGN: A	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: L	DUTY: Cont.
MODEL No.: 0036SDMV7FS-PL		kW: 3	
NOM. EFF.: 89.5	MIN. EFF.: -	P.F.: 71.0	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 49	FULL LOAD (lb-ft.): 17.8	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 330	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 450	

EFFICIENCY	POWER FACTOR
FULL LOAD: 90.3	FULL LOAD: 71.2
3/4 LOAD: 89.5	3/4 LOAD: 64.5
1/2 LOAD: 86.9	1/2 LOAD: 52.7

ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE, FREQUENCY AND SINEWAVE POWER INPUT.  
THE DECLARED LOCKED ROTOR CURRENT HAS A TOLERANCE OF 20%.  
\* TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS DEFINED BY NEMA-MG-12 OR -20.  
\*\* BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).

**CERTIFIED BY:** Zichao Xie

**DATE:** 7/22/2020

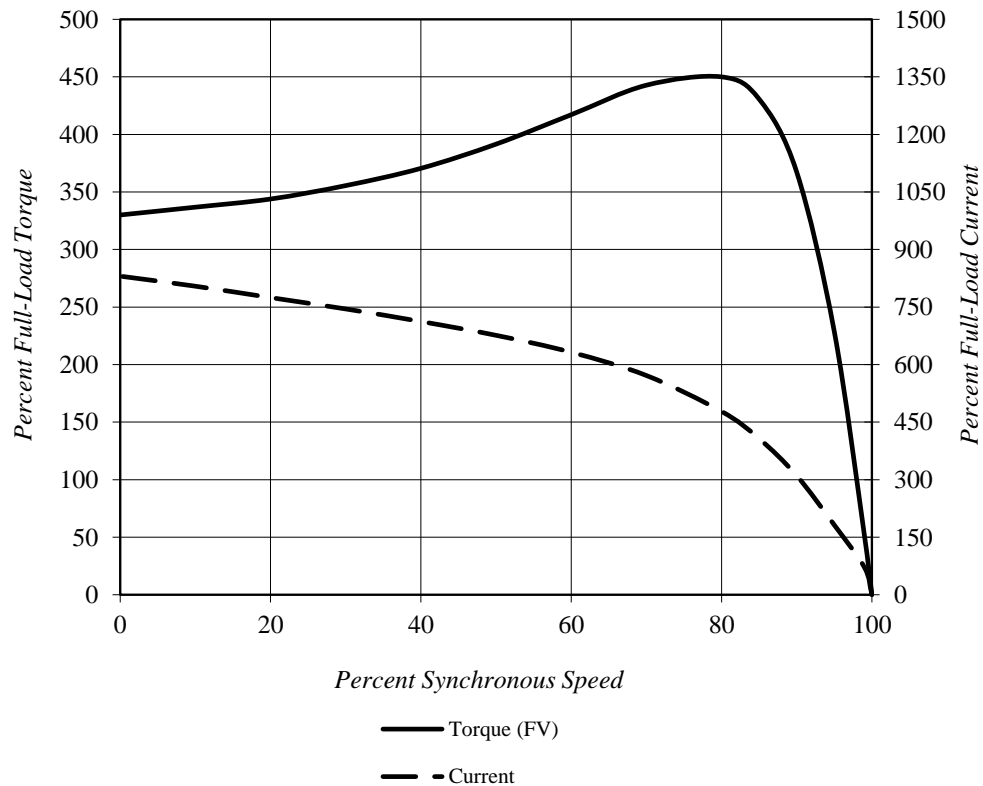
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	0036SDMV7FS-PL			<b>FLAmps:</b>	5.9
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	460 V	<b>Frame:</b>	132S
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 60 Hz	<b>Ins. Class:</b>	F
<b>HP:</b>	4	<b>Rotor Inertia:</b>	1.2 lb-ft <sup>2</sup>	<b>Date:</b>	7/22/2020
<b>FLRPM:</b>	1175	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6003 (3kW)

<b>Locked Rotor Amps:</b>	49 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	330%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	450%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	17.8 lb-ft		

### Design Values



**Comments:** PROJECT -  
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**D.E. Curve #:** GH6003 (3kW)

**Prepared by:** Zichao Xie

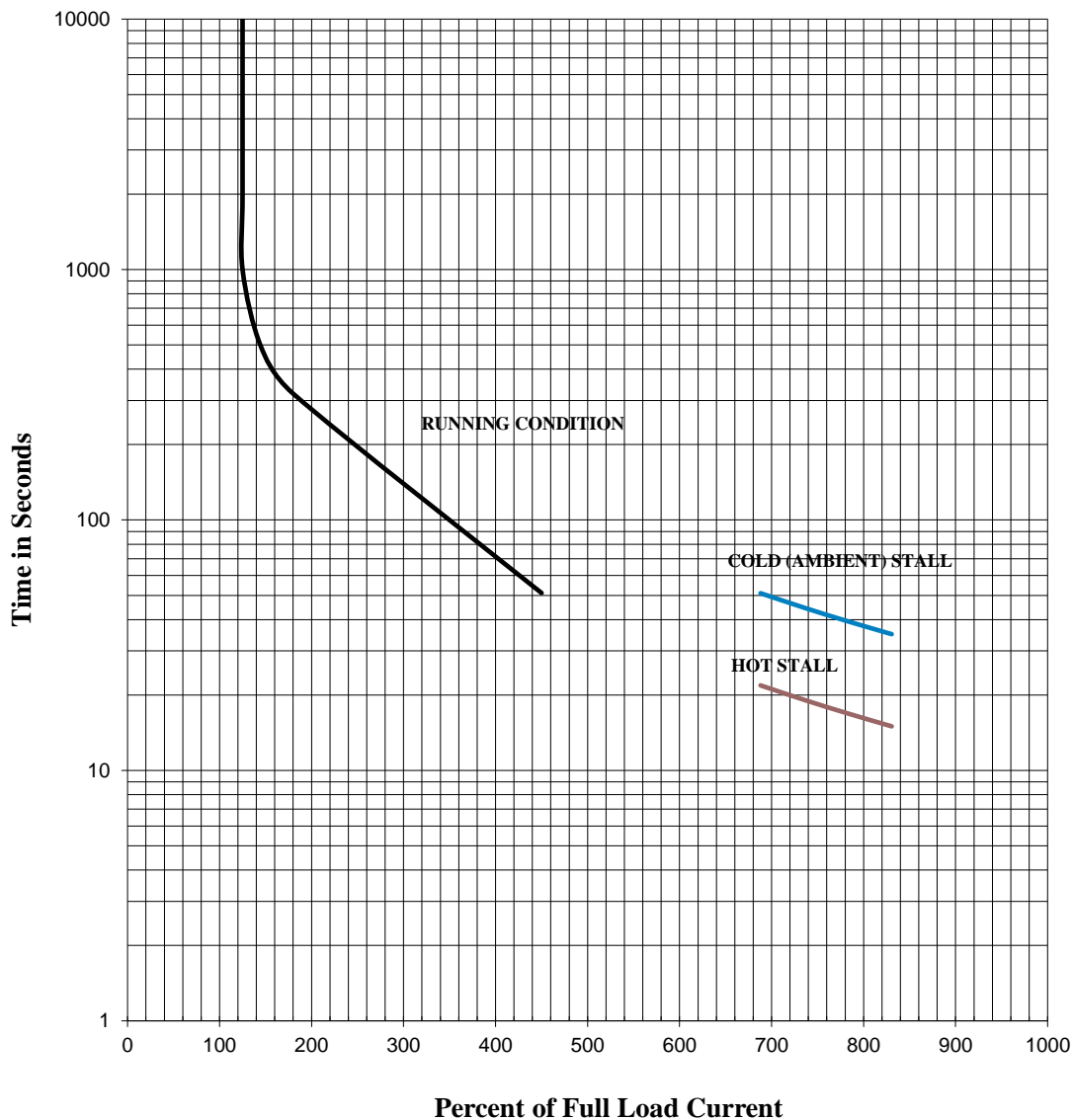
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	0036SDMV7FS-PL			<b>FLAmps:</b>	5.9
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	460 V	<b>Frame:</b>	132S
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 60 Hz	<b>Ins. Class:</b>	F
<b>HP:</b>	4	<b>Rotor Inertia:</b>	1.2 lb-ft <sup>2</sup>	<b>Date:</b>	7/22/2020
<b>FLRPM:</b>	1175	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6003 (3kW)



**Comments:** PROJECT - \_\_\_\_\_  
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**D.E. Curve #:** GH6003 (3kW)

**Prepared by:** Zichao Xie

**Checked by:**