

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.

B35-FLANGE MOTOR OL DRAWING IEC GLOBAL	TYPE: 2-4-6P - 400V
3HFN000233	FRAME: 132M
TOSHIBA TOSHIBA INTERNATIONAL CORPORATION	

TOLERANCES	
X.	±2.0
X.X	±0.5
X.XX	±0.1
MAXIMUM MOTOR WEIGHT	
- lbs.	
- kgs.	

**EQP Global SD**  
XT SERIES

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

01	Adding tolerance dimension "H"	T.Danh	Sep-10-18	B.Quynh
NO	REVISION	DRAWN BY	DATE	CHECK

**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: 3000
FRAME: 132M	ENCL: TEFC	FLAMPS: 25/14.3	FLRPM: 2925
FORM: FCKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: Y752SDMV7GS-PL		kW: 7.5	
NOM. EFF.: 90.1	MIN. EFF.: -	cosØ 0.84	

**AMPERAGE**

LOCKED ROTOR: 197/114

**TORQUES**

FULL LOAD (lb-ft.): 18.1  
 LOCKED ROTOR (%): 315  
 BREAK DOWN (%): 415

**\*\*BEARINGS:**

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

**EFFICIENCY**

FULL LOAD: 90.1  
 3/4 LOAD: 89.7  
 1/2 LOAD: 87.8

**POWER FACTOR**

FULL LOAD: 84.2  
 3/4 LOAD: 78.6  
 1/2 LOAD: 67.3

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:** 1/7/2020

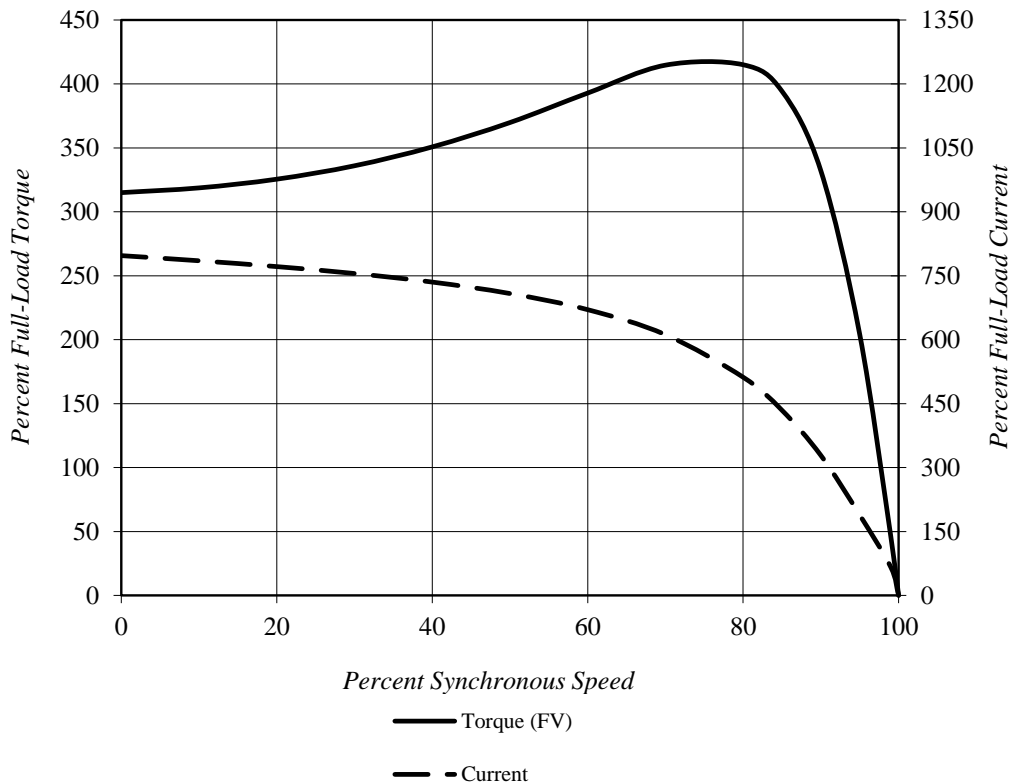
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	Y752SDMV7GS-PL			<b>FLAmps:</b>	25/14.3
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	230/400 V	<b>Frame:</b>	132M
<b>Pole:</b>	2	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	7.5	<b>Rotor Inertia:</b>	0.60 lb-ft <sup>2</sup>	<b>Date:</b>	1/7/2020
<b>FLRPM:</b>	2925	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH2Y75 (7.5kW)

<b>Locked Rotor Amps:</b>	197/114 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	315%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	415%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	18.1 lb-ft		

### *Design Values*



**Comments:** PROJECT -  
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**D.E. Curve #:** GH2Y75 (7.5kW)

**Prepared by:** Zichao Xie

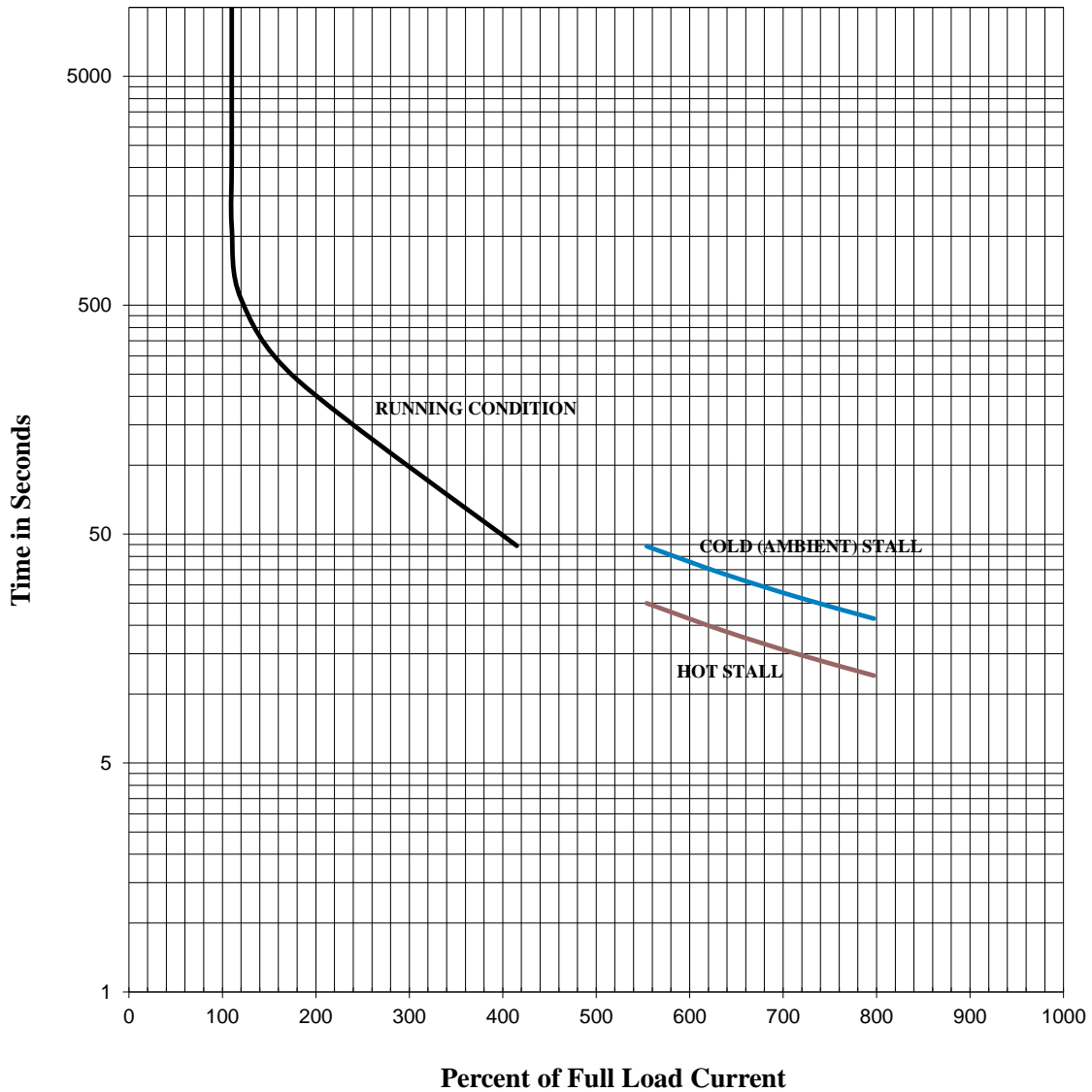
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	Y752SDMV7GS-PL			<b>FLAmps:</b>	25/14.3
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	230/400 V	<b>Frame:</b>	132M
<b>Pole:</b>	2	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	7.5	<b>Rotor Inertia:</b>	0.60 lb-ft <sup>2</sup>	<b>Date:</b>	1/7/2020
<b>FLRPM:</b>	2925	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH2Y75 (7.5kW)



**Comments:** PROJECT \_\_\_\_\_  
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**D.E.Curve #:** GH2Y75 (7.5kW)

**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: 240/415	3 PH / 50 Hz	S. RPM: 3000
FRAME: 132M	ENCL: TEFC	FLAMPS: 25/14.2	FLRPM: 2925
FORM: FCKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: Y752SDMV7GS-PL		kW: 7.5	
NOM. EFF.: 90.1	MIN. EFF.: -	cosØ 0.81	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 206/119	FULL LOAD (lb-ft.): 18.1	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 340	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 435	

EFFICIENCY	POWER FACTOR
FULL LOAD: 90.3	FULL LOAD: 81.4
3/4 LOAD: 89.7	3/4 LOAD: 75.0
1/2 LOAD: 87.6	1/2 LOAD: 62.9

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:** 1/7/2020

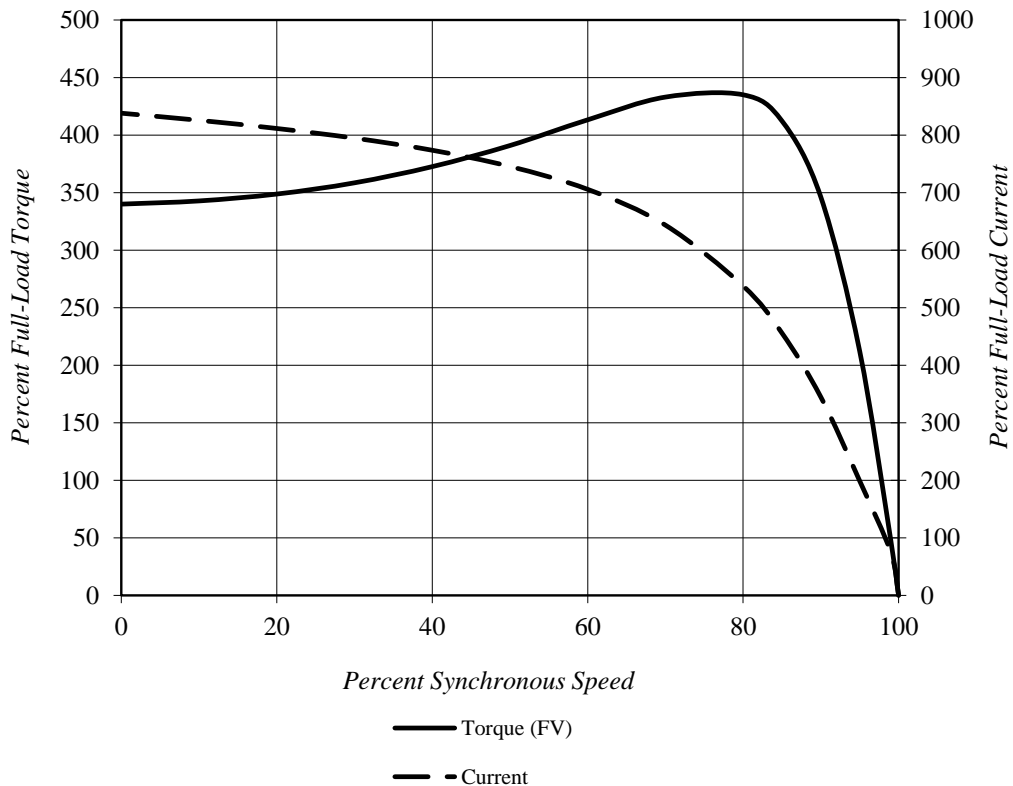
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	Y752SDMV7GS-PL			<b>FLAmps:</b>	25/14.2
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	240/415 V	<b>Frame:</b>	132M
<b>Pole:</b>	2	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	7.5	<b>Rotor Inertia:</b>	0.60 lb-ft <sup>2</sup>	<b>Date:</b>	1/7/2020
<b>FLRPM:</b>	2925	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH2Y75 (7.5kW)

<b>Locked Rotor Amps:</b>	206/119 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	340%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	435%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	18.1 lb-ft		

### Design Values



**Comments:** PROJECT -  
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**D.E. Curve #:** GH2Y75 (7.5kW)

**Prepared by:** Zichao Xie

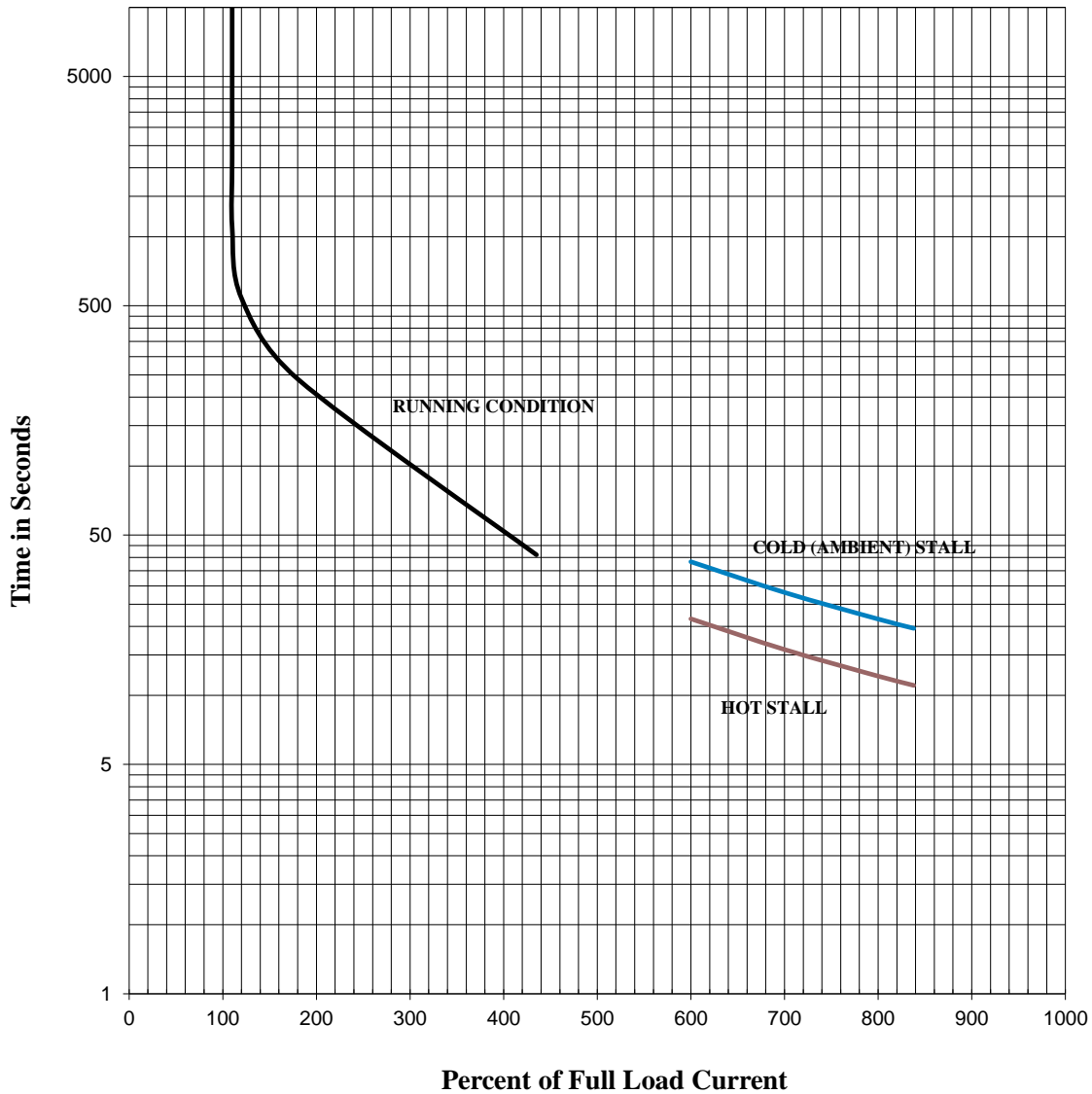
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	Y752SDMV7GS-PL			<b>FLAmps:</b>	25/14.2
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	240/415 V	<b>Frame:</b>	132M
<b>Pole:</b>	2	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	7.5	<b>Rotor Inertia:</b>	0.60 lb-ft <sup>2</sup>	<b>Date:</b>	1/7/2020
<b>FLRPM:</b>	2925	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH2Y75 (7.5kW)



**Comments:** PROJECT -  
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**D.E. Curve #:** GH2Y75 (7.5kW)

**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: 3000
FRAME: 132M	ENCL: TEFC	FLAMPS: 25/14.6	FLRPM: 2910
FORM: FCKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: Y752SDMV7GS-PL		kW: 7.5	
NOM. EFF.: 90.1	MIN. EFF.: -	cosØ 0.87	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 185/107	FULL LOAD (lb-ft.): 18.2	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 280	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 375	

EFFICIENCY	POWER FACTOR
FULL LOAD: 89.5	FULL LOAD: 87.4
3/4 LOAD: 89.5	3/4 LOAD: 83.4
1/2 LOAD: 87.9	1/2 LOAD: 74.1

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:** 1/7/2020



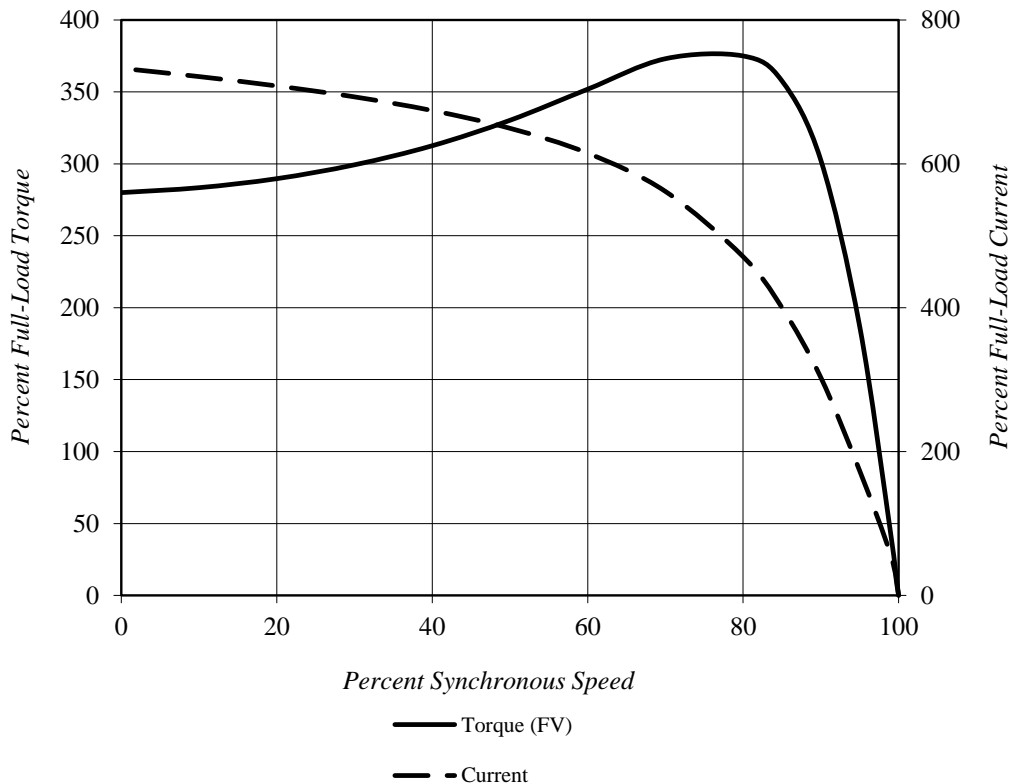
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	Y752SDMV7GS-PL			<b>FLAmps:</b>	25/14.6
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	220/380 V	<b>Frame:</b>	132M
<b>Pole:</b>	2	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	7.5	<b>Rotor Inertia:</b>	0.60 lb-ft <sup>2</sup>	<b>Date:</b>	1/7/2020
<b>FLRPM:</b>	2910	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH2Y75 (7.5kW)

<b>Locked Rotor Amps:</b>	185/107 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	280%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	375%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	18.2 lb-ft		

### Design Values



**Comments:** PROJECT -  
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**D.E. Curve #:** GH2Y75 (7.5kW)

**Prepared by:** Zichao Xie

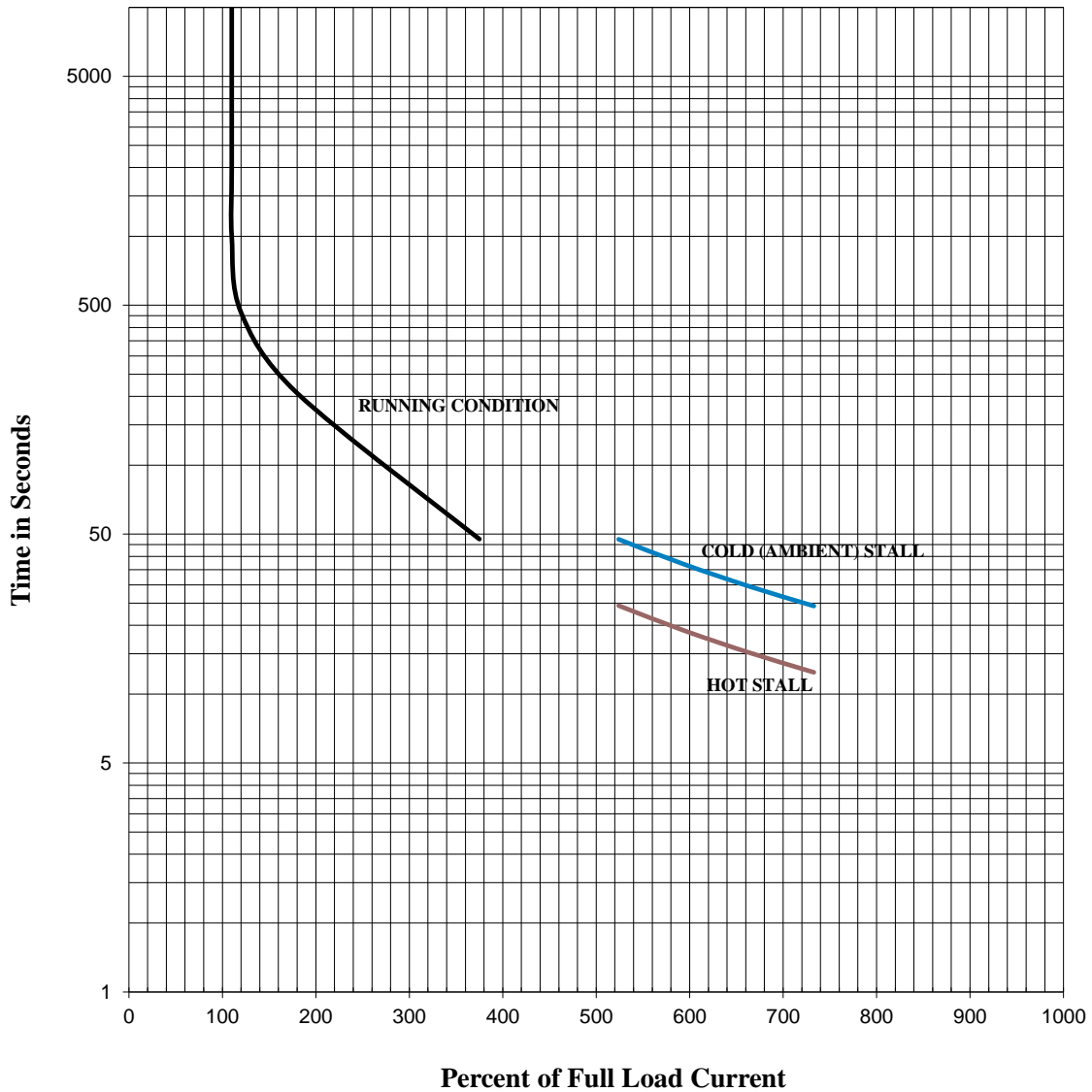
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	Y752SDMV7GS-PL			<b>FLAmps:</b>	25/14.6
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	220/380 V	<b>Frame:</b>	132M
<b>Pole:</b>	2	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	7.5	<b>Rotor Inertia:</b>	0.60 lb-ft <sup>2</sup>	<b>Date:</b>	1/7/2020
<b>FLRPM:</b>	2910	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH2Y75 (7.5kW)



**Comments:** PROJECT -  
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**D.E. Curve #:** GH2Y75 (7.5kW)

**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.: 10	VOLTS: 460	3 PH / 60 Hz	S. RPM: 3600
FRAME: 132M	ENCL: TEFC	FLAMPS: 12.3	FLRPM: 3535
FORM: FCKL1	S.F.: 1.15	NEMA DESIGN: A	INSUL CLASS: F
TYPE: IKKH	AMB.: 40°C	CODE: L	DUTY: Cont.
MODEL No.: Y752SDMV7GS-PL		kW: 7.5	
NOM. EFF.: 90.2	MIN. EFF.: -	P.F.: 84.0	

**AMPERAGE**

LOCKED ROTOR: 115

**TORQUES**

FULL LOAD (lb-ft.): 15.0  
LOCKED ROTOR (%): 375  
BREAK DOWN (%): 445

**\*\*BEARINGS:**

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

**EFFICIENCY**

FULL LOAD: 91.2  
3/4 LOAD: 90.4  
1/2 LOAD: 87.9

**POWER FACTOR**

FULL LOAD: 84.2  
3/4 LOAD: 78.6  
1/2 LOAD: 67.2

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:** 1/7/2020

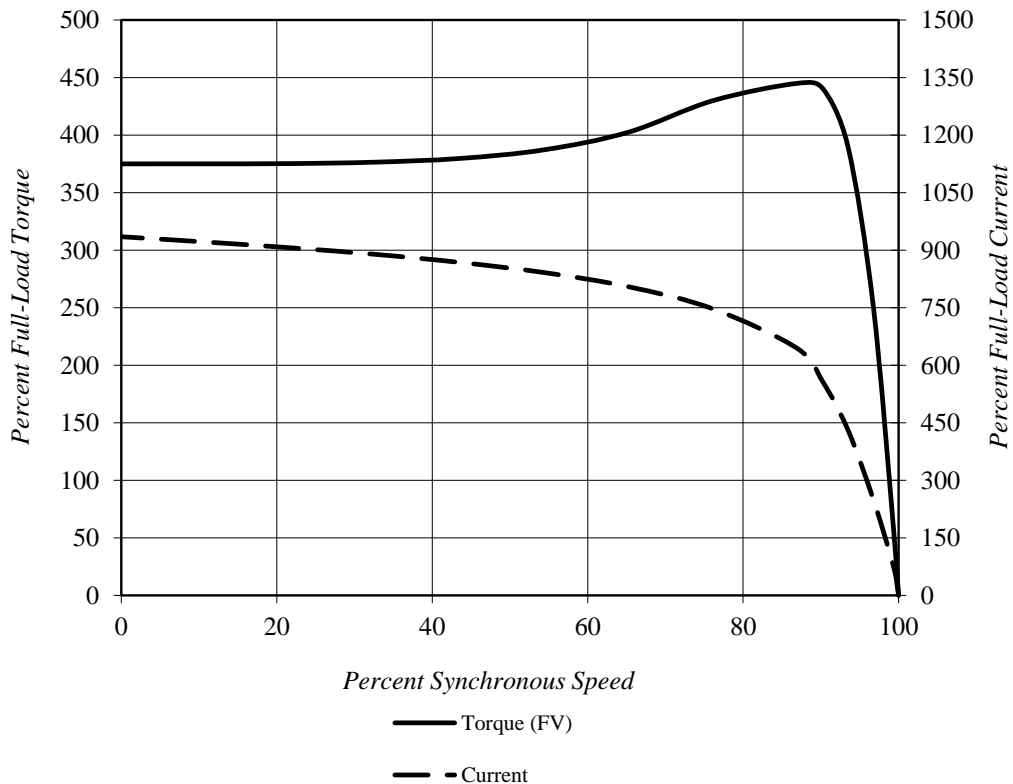
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	Y752SDMV7GS-PL			<b>FLAmps:</b>	12.3
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	460 V	<b>Frame:</b>	132M
<b>Pole:</b>	2	<b>Frequency:</b>	3 PH / 60 Hz	<b>Ins. Class:</b>	F
<b>HP:</b>	10	<b>Rotor Inertia:</b>	0.60 lb-ft <sup>2</sup>	<b>Date:</b>	1/7/2020
<b>FLRPM:</b>	3535	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH2Y75 (7.5kW)

<b>Locked Rotor Amps:</b>	115 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	375%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	445%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	15 lb-ft		

### Design Values



**Comments:** PROJECT -  
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**D.E. Curve #:** GH2Y75 (7.5kW)

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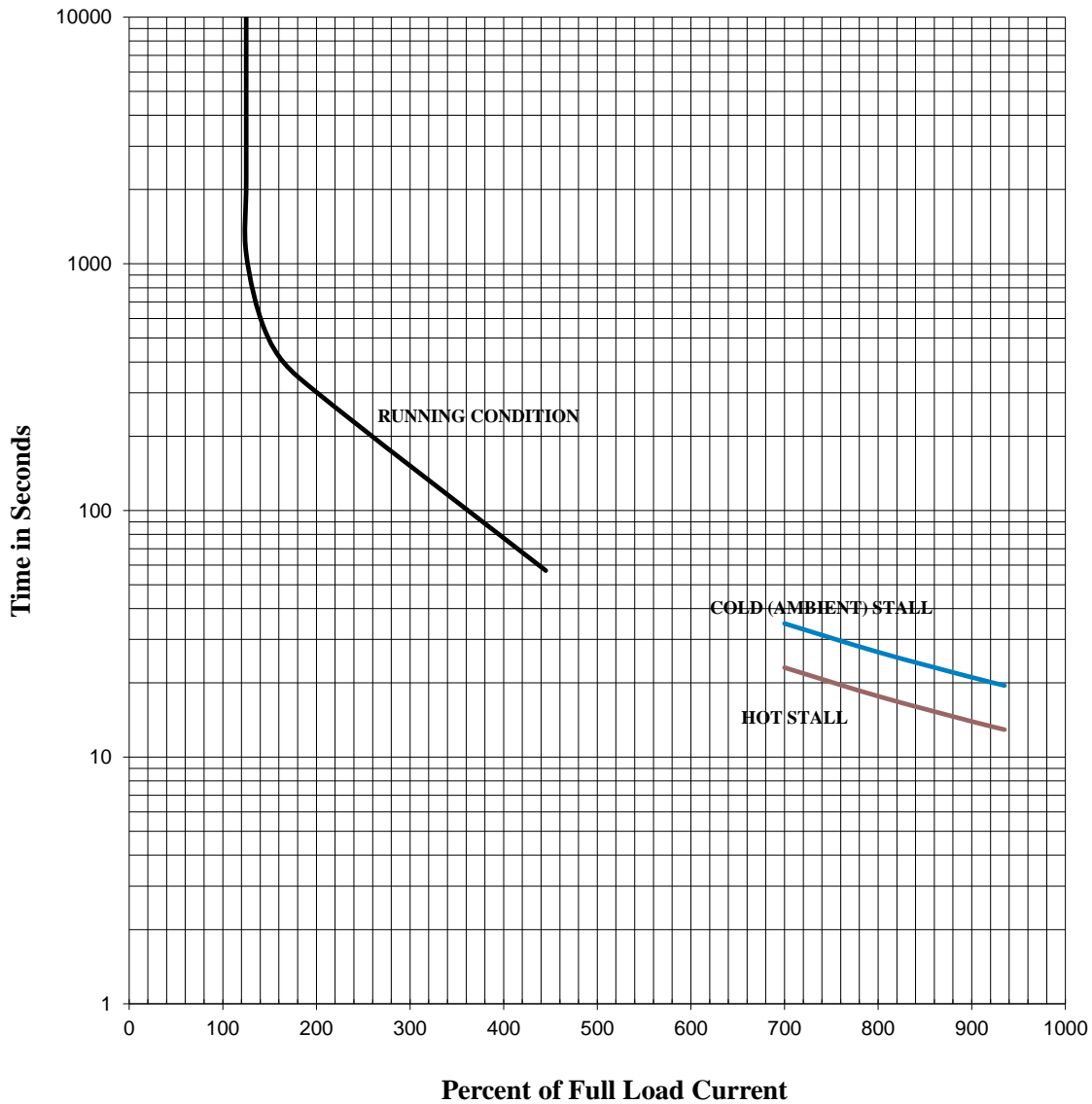
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# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	Y752SDMV7GS-PL			<b>FLAmps:</b>	12.3
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	460 V	<b>Frame:</b>	132M
<b>Pole:</b>	2	<b>Frequency:</b>	3 PH / 60 Hz	<b>Ins. Class:</b>	F
<b>HP:</b>	10	<b>Rotor Inertia:</b>	0.60 lb-ft <sup>2</sup>	<b>Date:</b>	1/7/2020
<b>FLRPM:</b>	3535	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH2Y75 (7.5kW)



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**D.E. Curve #:** GH2Y75 (7.5kW)

**Prepared by:** Zichao Xie

**Checked by:**