

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.

B14-FLANGE MOTOR OL DRAWING IEC GLOBAL	TYPE: 2-4-6P - 400V
3HFN000318	FRAME: 132M
TOSHIBA TOSHIBA INTERNATIONAL CORPORATION	

TOLERANCES	
X.	$\pm 2.0$
X.X	$\pm 0.5$
X.XX	$\pm 0.1$
MAXIMUM MOTOR WEIGHT	
- lbs.	
- kgs.	
01	Change to the KEY length dimension
NO	REVISION

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: 132M	ENCL: TEFC	FLAMPS: 20/11.6	FLRPM: 970
FORM: FBKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: Y556SDMV7KS-PL		kW: 5.5	
NOM. EFF.: 88.0	MIN. EFF.: -	cosØ 0.76	

**AMPERAGE**

LOCKED ROTOR: 152/88

**TORQUES**

FULL LOAD (lb-ft.): 40  
LOCKED ROTOR (%): 285  
BREAK DOWN (%): 370

**\*\*BEARINGS:**

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

**EFFICIENCY**

FULL LOAD: 90.3  
3/4 LOAD: 90.5  
1/2 LOAD: 89.1

**POWER FACTOR**

FULL LOAD: 76.1  
3/4 LOAD: 71.1  
1/2 LOAD: 60.7

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:** 7/31/2020

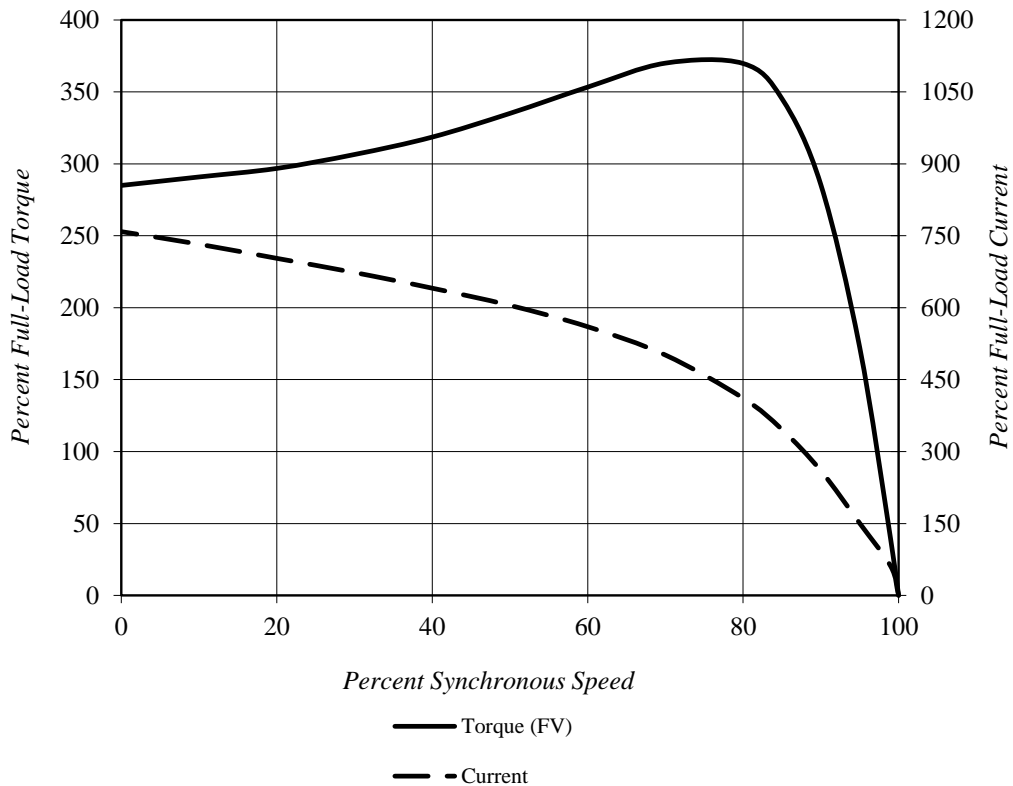
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	Y556SDMV7KS-PL			<b>FLAmps:</b>	20/11.6
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	230/400 V	<b>Frame:</b>	132M
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	5.5	<b>Rotor Inertia:</b>	2.0 lb-ft <sup>2</sup>	<b>Date:</b>	7/31/2020
<b>FLRPM:</b>	970	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6Y55 (5.5kW)

<b>Locked Rotor Amps:</b>	152/88 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	285%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	370%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	40 lb-ft		

### *Design Values*



**Comments:** PROJECT -  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**D.E.Curve #:** GH6Y55 (5.5kW)

**Prepared by:** Zichao Xie

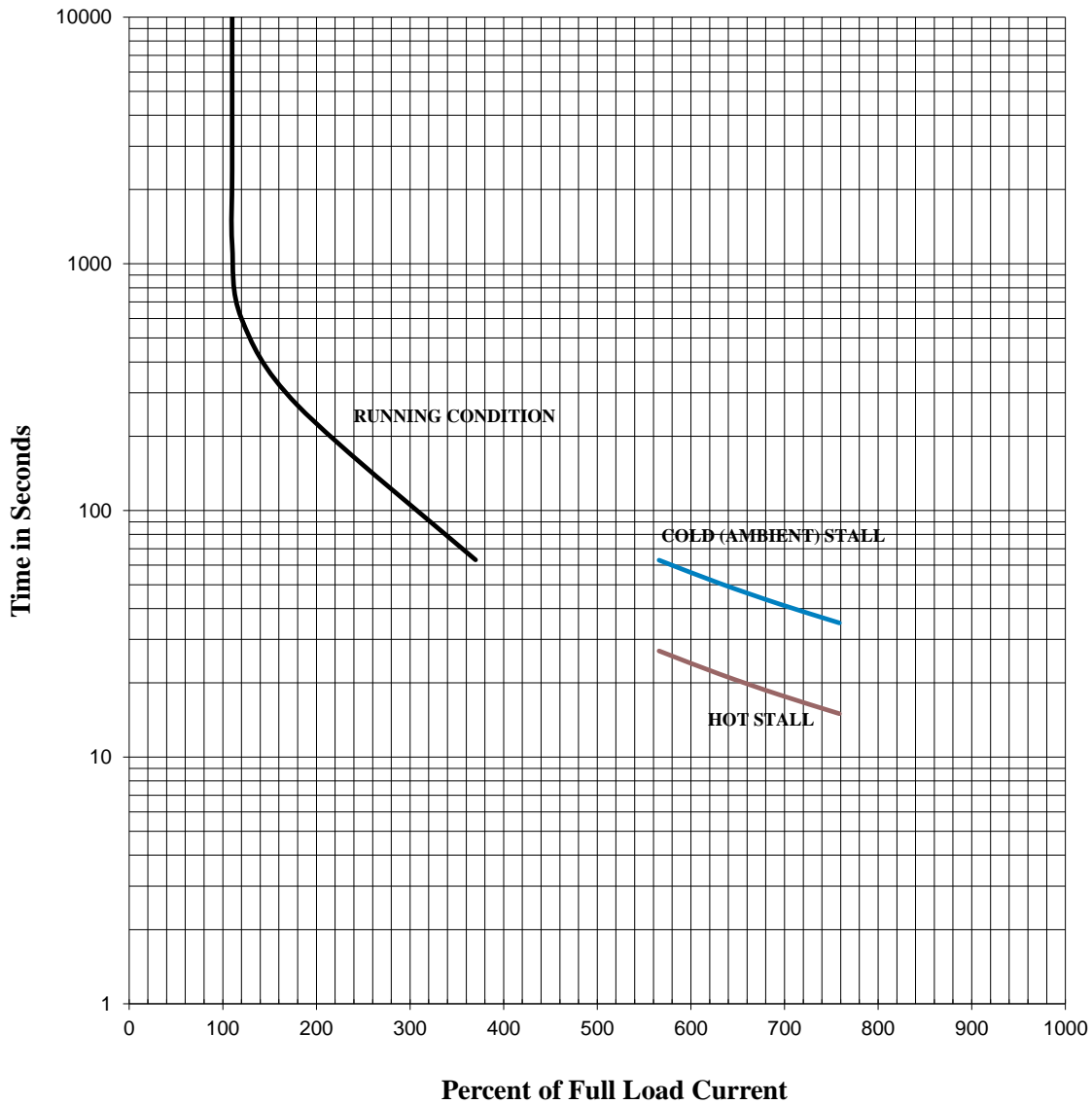
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	Y556SDMV7KS-PL			<b>FLAmps:</b>	20/11.6
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	230/400 V	<b>Frame:</b>	132M
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	5.5	<b>Rotor Inertia:</b>	2.0 lb-ft <sup>2</sup>	<b>Date:</b>	7/31/2020
<b>FLRPM:</b>	970	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6Y55 (5.5kW)



**Comments:** PROJECT -  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**D.E. Curve #:** GH6Y55 (5.5kW)

**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.: -	VOLTS: 240/415	3 PH / 50 Hz	S. RPM: 1000
FRAME: 132M	ENCL: TEFC	FLAMPS: 19.2/11.1	FLRPM: 970
FORM: FBKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: Y556SDMV7KS-PL		kW: 5.5	
NOM. EFF.: 88.0	MIN. EFF.: -	cosØ 0.76	

**AMPERAGE**

LOCKED ROTOR: 159/92

**TORQUES**

FULL LOAD (lb-ft.): 40  
LOCKED ROTOR (%): 310  
BREAK DOWN (%): 390

**\*\*BEARINGS:**

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

**EFFICIENCY**

FULL LOAD: 90.7  
3/4 LOAD: 90.6  
1/2 LOAD: 88.9

**POWER FACTOR**

FULL LOAD: 76.0  
3/4 LOAD: 70.3  
1/2 LOAD: 59.1

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:** 7/31/2020

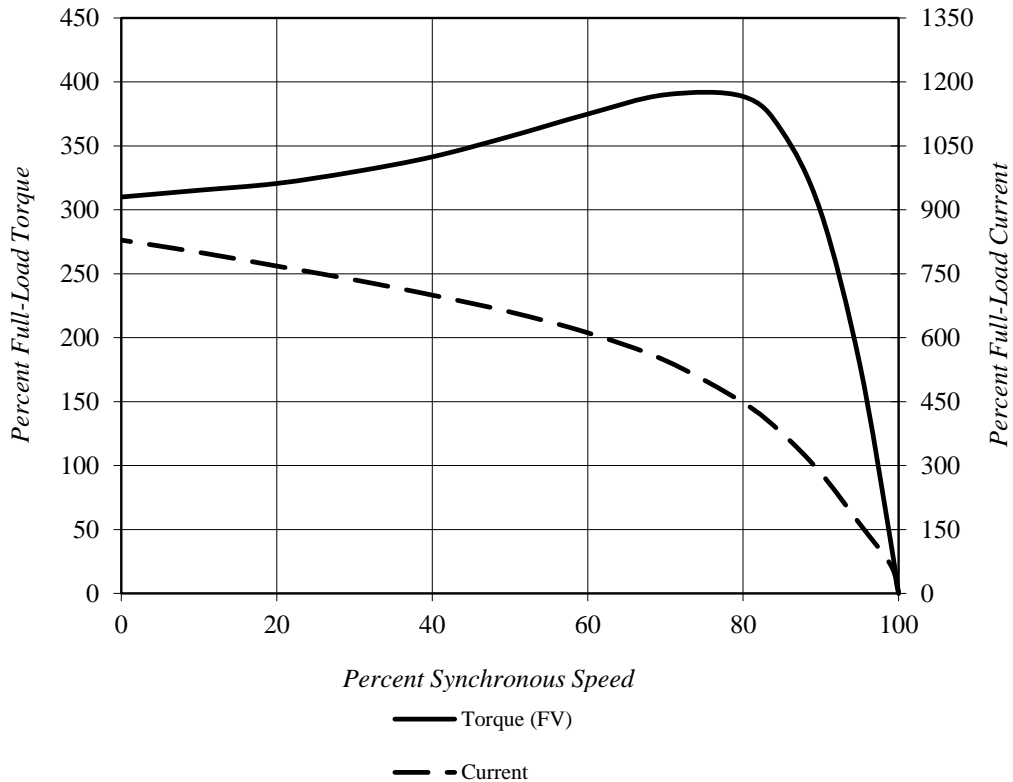
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	Y556SDMV7KS-PL			<b>FLAmps:</b>	19.2/11.1
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	240/415 V	<b>Frame:</b>	132M
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	5.5	<b>Rotor Inertia:</b>	2.0 lb-ft <sup>2</sup>	<b>Date:</b>	7/31/2020
<b>FLRPM:</b>	970	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6Y55 (5.5kW)

<b>Locked Rotor Amps:</b>	159/92 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	310%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	390%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	40 lb-ft		

### *Design Values*



**Comments:** PROJECT -  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**D.E.Curve #:** GH6Y55 (5.5kW)

**Prepared by:** Zichao Xie

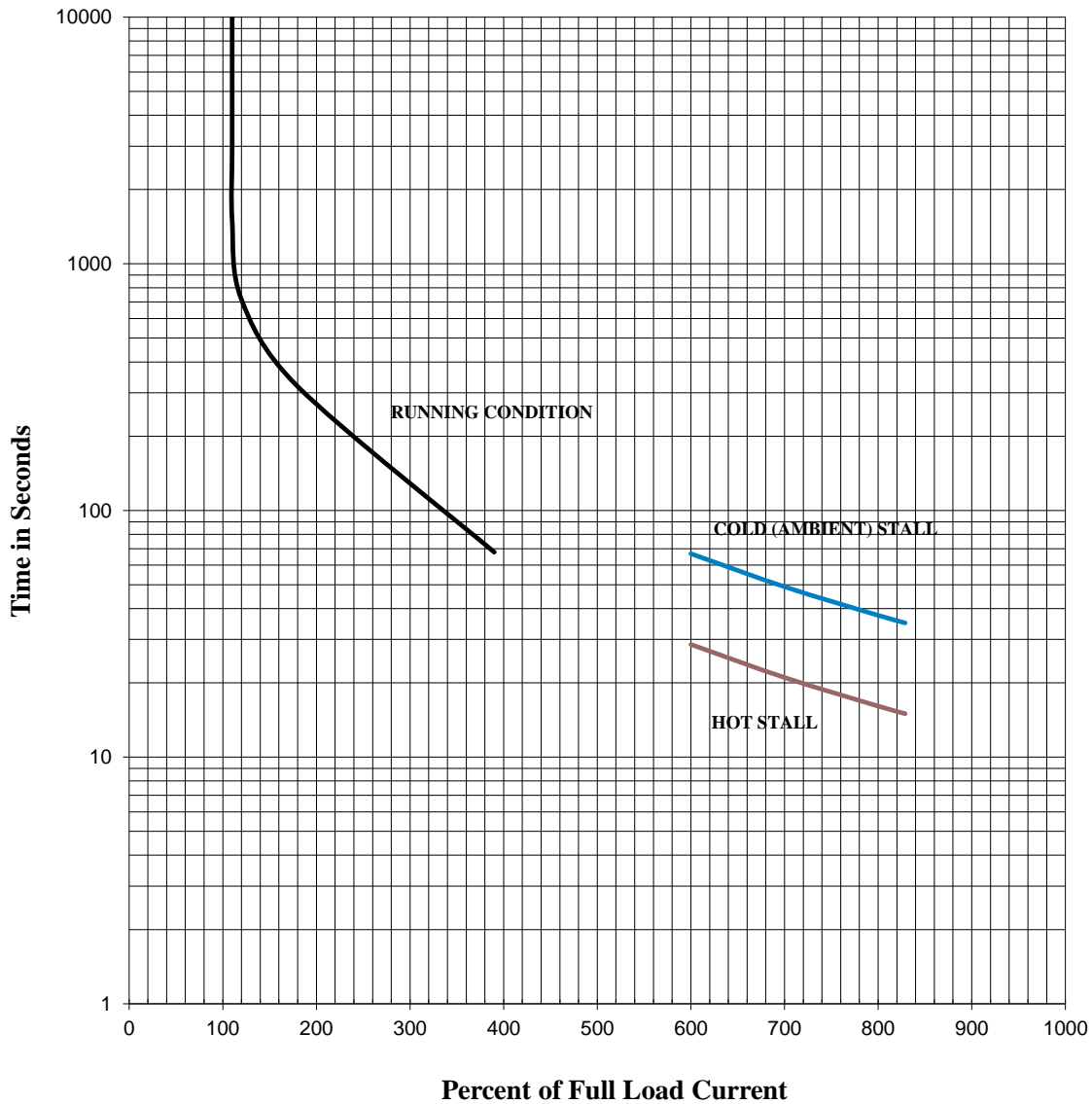
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	Y556SDMV7KS-PL			<b>FLAmps:</b>	19.2/11.1
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	240/415 V	<b>Frame:</b>	132M
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	5.5	<b>Rotor Inertia:</b>	2.0 lb-ft <sup>2</sup>	<b>Date:</b>	7/31/2020
<b>FLRPM:</b>	970	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6Y55 (5.5kW)



**Comments:** PROJECT -  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**D.E. Curve #:** GH6Y55 (5.5kW)

**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.: -	VOLTS: 220/380	3 PH / 50 Hz	S. RPM: 1000
FRAME: 132M	ENCL: TEFC	FLAMPS: 21/11.9	FLRPM: 965
FORM: FBKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: Y556SDMV7KS-PL		kW: 5.5	
NOM. EFF.: 88.0	MIN. EFF.: -	cosØ 0.78	

**AMPERAGE**

LOCKED ROTOR: 142/82

**TORQUES**

FULL LOAD (lb-ft.): 40  
LOCKED ROTOR (%): 245  
BREAK DOWN (%): 335

**\*\*BEARINGS:**

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

**EFFICIENCY**

FULL LOAD: 89.8  
3/4 LOAD: 90.4  
1/2 LOAD: 89.4

**POWER FACTOR**

FULL LOAD: 78.5  
3/4 LOAD: 74.2  
1/2 LOAD: 64.6

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:** 7/31/2020



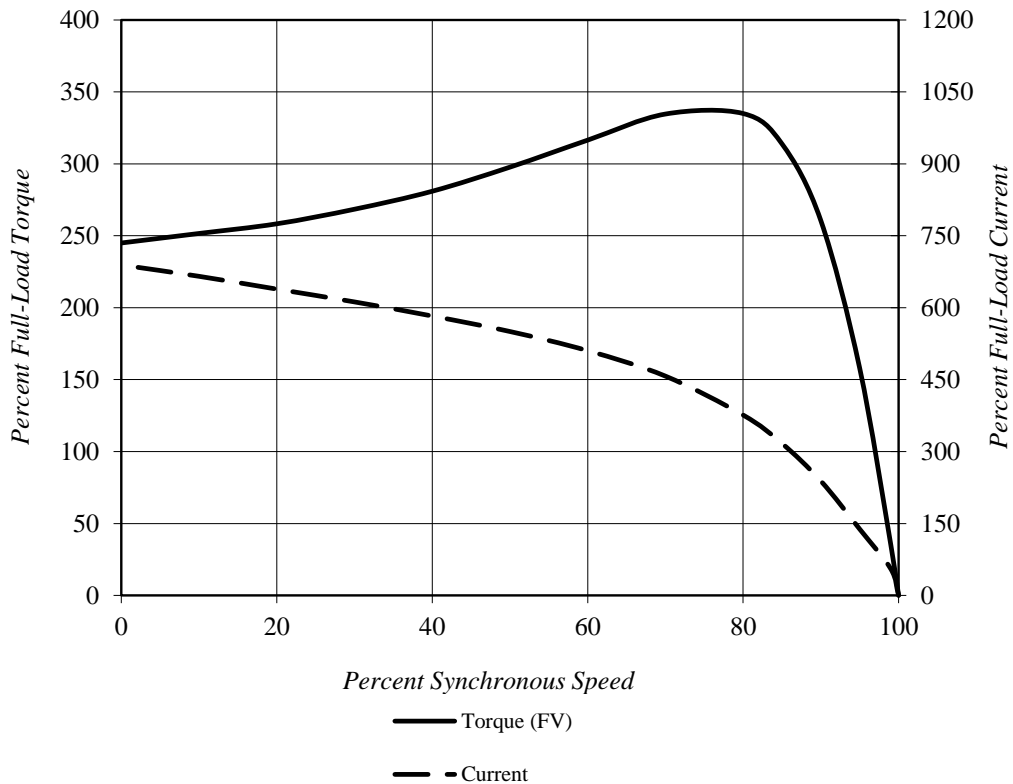
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	Y556SDMV7KS-PL			<b>FLAmps:</b>	21/11.9
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	220/380 V	<b>Frame:</b>	132M
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	5.5	<b>Rotor Inertia:</b>	2.0 lb-ft <sup>2</sup>	<b>Date:</b>	7/31/2020
<b>FLRPM:</b>	965	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6Y55 (5.5kW)

<b>Locked Rotor Amps:</b>	142/82 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	245%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	335%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	40 lb-ft		

### *Design Values*



**Comments:** PROJECT -  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**D.E.Curve #:** GH6Y55 (5.5kW)

**Prepared by:** Zichao Xie

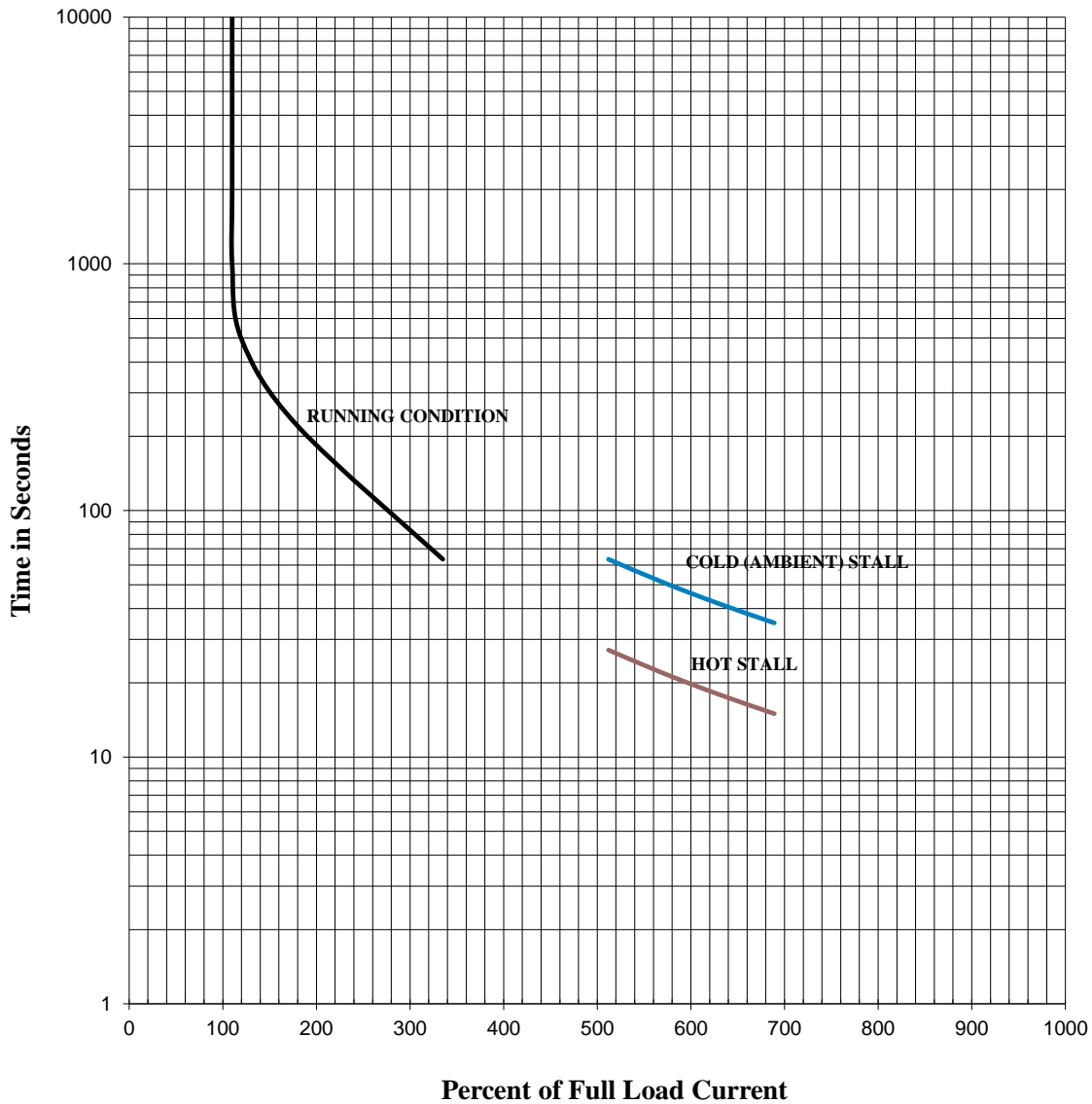
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	Y556SDMV7KS-PL			<b>FLAmps:</b>	21/11.9
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	220/380 V	<b>Frame:</b>	132M
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 50 Hz	<b>Ins. Class:</b>	F
<b>KW:</b>	5.5	<b>Rotor Inertia:</b>	2.0 lb-ft <sup>2</sup>	<b>Date:</b>	7/31/2020
<b>FLRPM:</b>	965	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6Y55 (5.5kW)



**Comments:** PROJECT \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**D.E. Curve #:** GH6Y55 (5.5kW)

**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.: 7.5	VOLTS: 460	3 PH / 60 Hz	S. RPM: 1200
FRAME: 132M	ENCL: TEFC	FLAMPS: 10.2	FLRPM: 1175
FORM: FBKL1	S.F.: 1.15	NEMA DESIGN: A	INSUL CLASS: F
TYPE: IKKH	AMB.: 40°C	CODE: L	DUTY: Cont.
MODEL No.: Y556SDMV7KS-PL		kW: 5.5	
NOM. EFF.: 91.0	MIN. EFF.: -	P.F.: 74.0	

**AMPERAGE**

LOCKED ROTOR: 88

**TORQUES**

FULL LOAD (lb-ft.): 33  
LOCKED ROTOR (%): 320  
BREAK DOWN (%): 355

**\*\*BEARINGS:**

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

**EFFICIENCY**

FULL LOAD: 91.5  
3/4 LOAD: 91.0  
1/2 LOAD: 89.0

**POWER FACTOR**

FULL LOAD: 74.1  
3/4 LOAD: 68.4  
1/2 LOAD: 57.4

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:** 7/31/2020

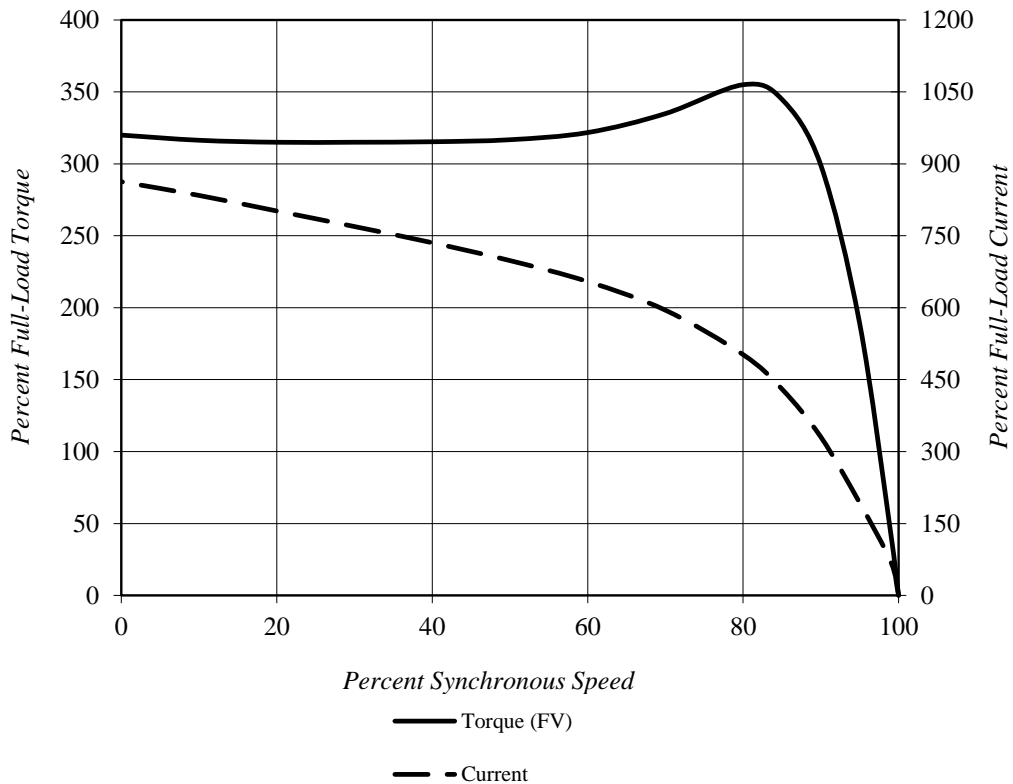
# TOSHIBA INTERNATIONAL CORPORATION

## Speed Torque/Current Curve

<b>Model #:</b>	Y556SDMV7KS-PL			<b>FLAmps:</b>	10.2
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	460 V	<b>Frame:</b>	132M
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 60 Hz	<b>Ins. Class:</b>	F
<b>HP:</b>	7.5	<b>Rotor Inertia:</b>	2.0 lb-ft <sup>2</sup>	<b>Date:</b>	7/31/2020
<b>FLRPM:</b>	1175	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6Y55 (5.5kW)

<b>Locked Rotor Amps:</b>	88 A	<b>Load Type:</b>	N/A
<b>Locked Rotor Torque:</b>	320%	<b>Starting at:</b>	N/A
<b>Breakdown Torque:</b>	355%	<b>Accel. Time:</b>	N/A
<b>Rated Torque:</b>	33 lb-ft		

### Design Values



**Comments:** PROJECT -  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**D.E. Curve #:** GH6Y55 (5.5kW)

**Prepared by:** Zichao Xie

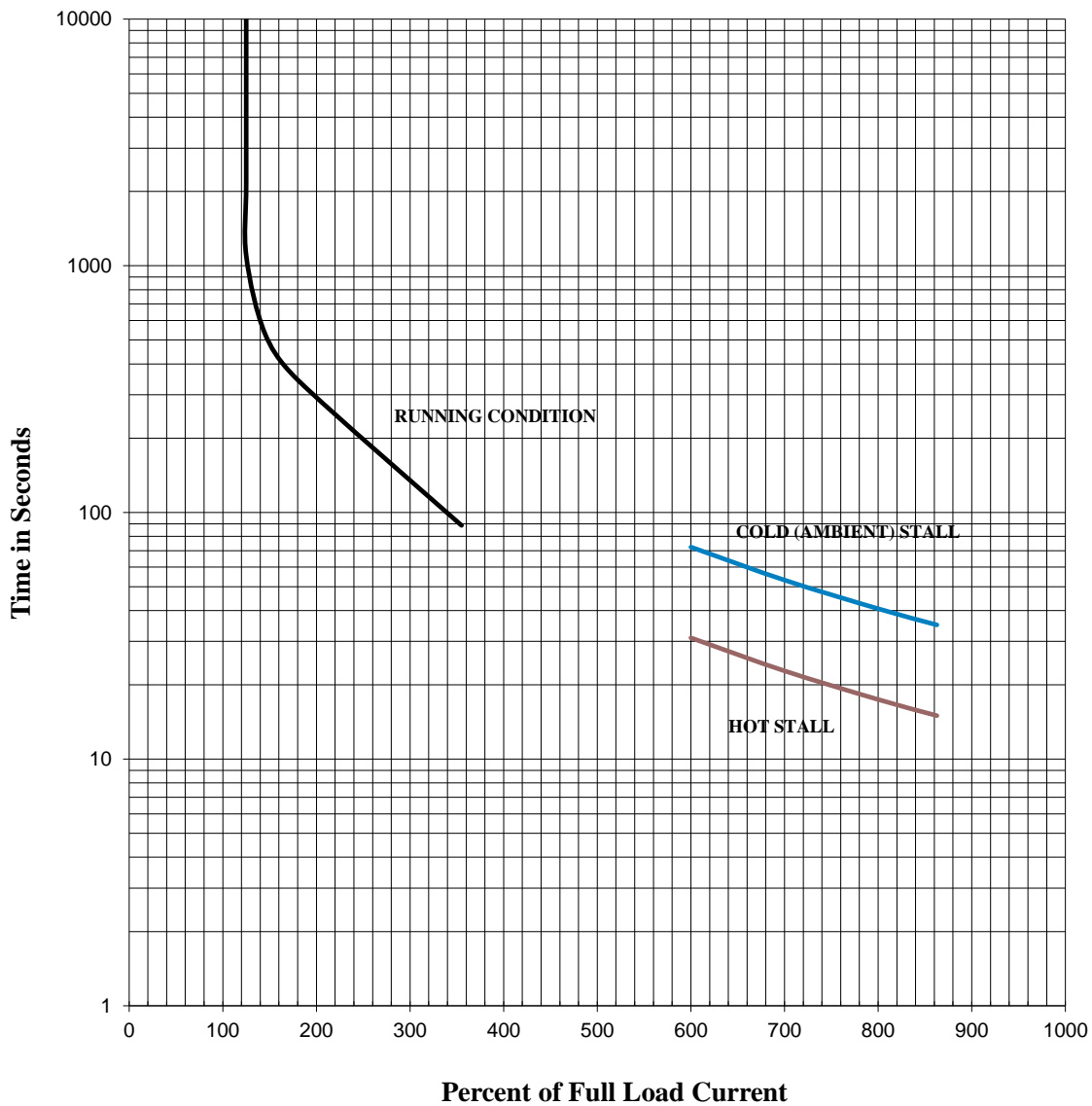
**Checked by:**

# TOSHIBA INTERNATIONAL CORPORATION

## Thermal Limit & Acceleration Curves

*Design Values (For Reference Only)*

<b>Model #:</b>	Y556SDMV7KS-PL			<b>FLAmps:</b>	10.2
<b>Enclosure:</b>	TEFC	<b>Voltage:</b>	460 V	<b>Frame:</b>	132M
<b>Pole:</b>	6	<b>Frequency:</b>	3 PH / 60 Hz	<b>Ins. Class:</b>	F
<b>HP:</b>	7.5	<b>Rotor Inertia:</b>	2.0 lb-ft <sup>2</sup>	<b>Date:</b>	7/31/2020
<b>FLRPM:</b>	1175	<b>Load Inertia:</b>	N/A	<b>File:</b>	GH6Y55 (5.5kW)



**Comments:** PROJECT -  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**D.E. Curve #:** GH6Y55 (5.5kW)

**Prepared by:** Zichao Xie

**Checked by:**