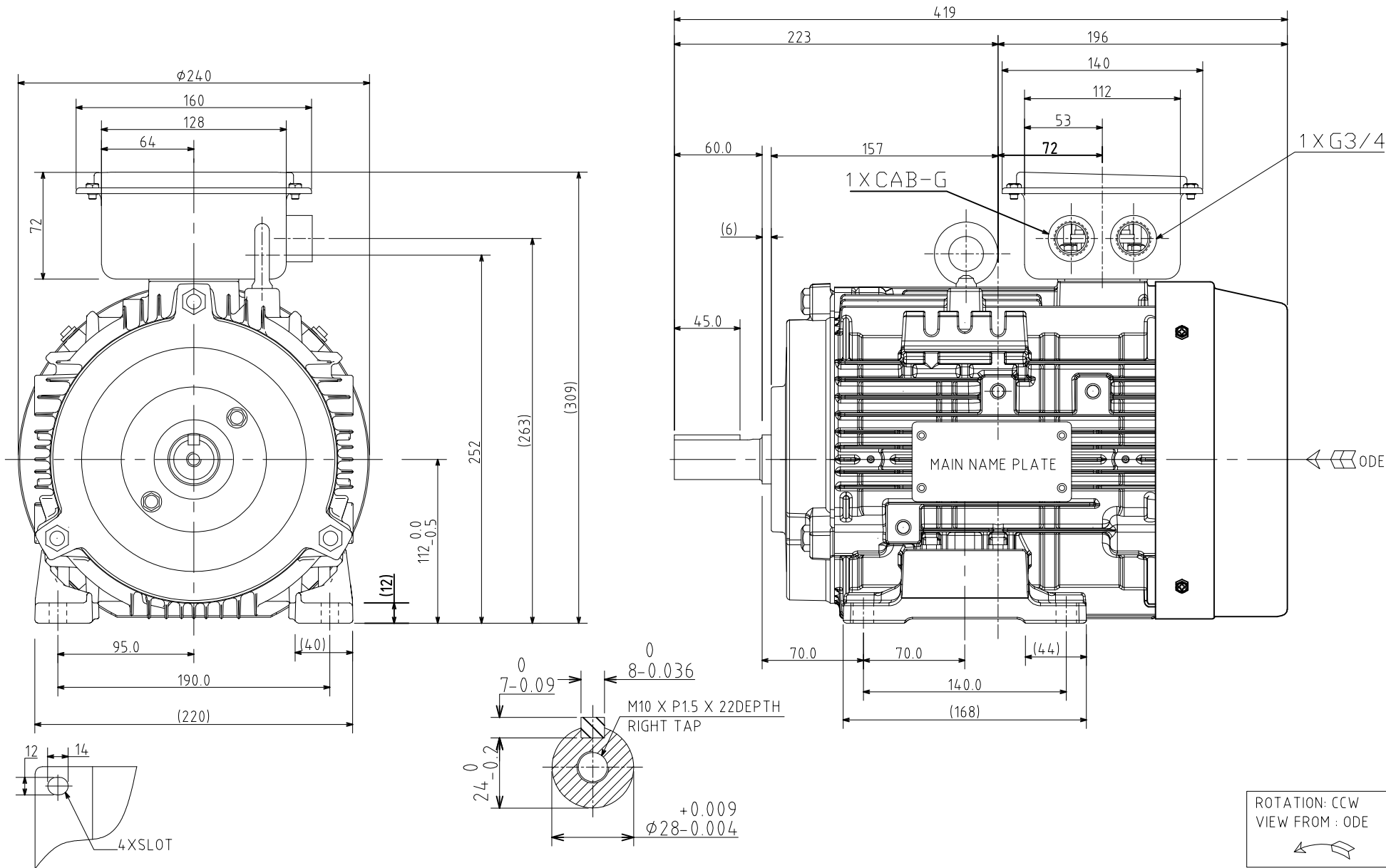




UNIT: mm

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: 6P - 400V
FRAME: 112M

3HFN000264

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

X. ± 2.0
X.X ± 0.5
X.XX ± 0.1

MAXIMUM
MOTOR WEIGHT

- lbs.
- kgs.

01	Change to description end shaft	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

ROTATION: CCW
VIEW FROM : ODE



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: 112M	ENCL: TEFC	FLAMPS: 8.5/4.9	FLRPM: 970
FORM: FBK1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: Y226SDMV7FS-PL		kW: 2.2	
NOM. EFF.: 84.3	MIN. EFF.: -	cosØ 0.72	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 64/37	FULL LOAD (lb-ft.): 15.7	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 280	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 480	

EFFICIENCY	POWER FACTOR
FULL LOAD: 89.8	FULL LOAD: 72.1
3/4 LOAD: 89.5	3/4 LOAD: 66.5
1/2 LOAD: 87.3	1/2 LOAD: 55.7

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: 6/25/2020

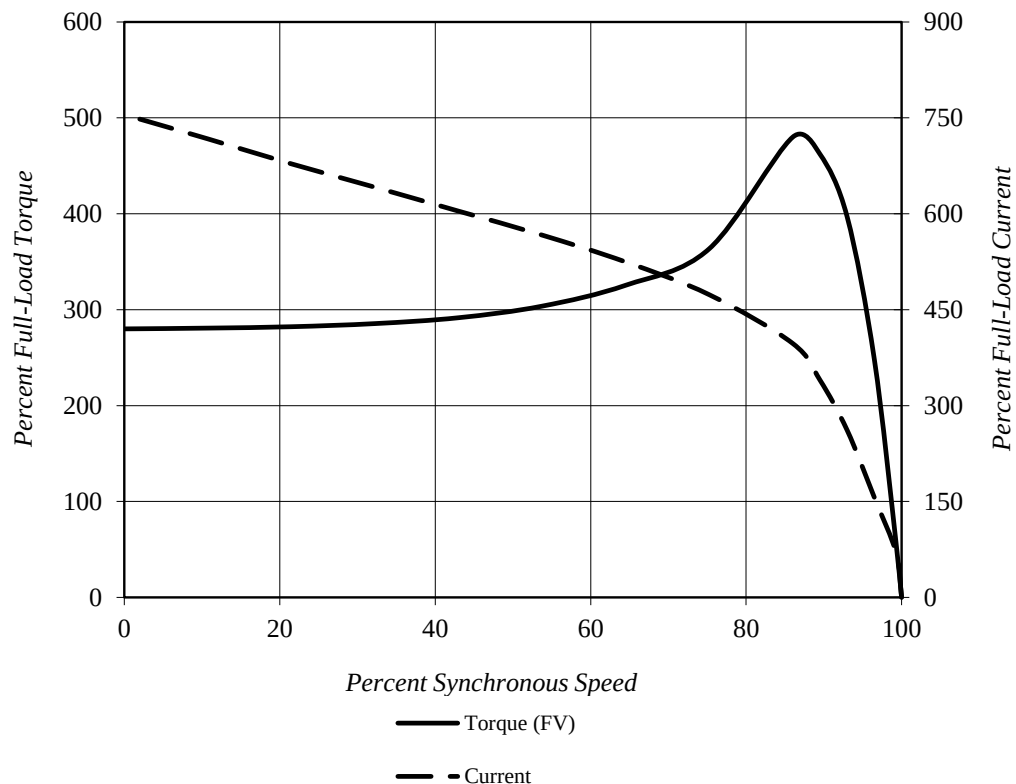
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y226SDMV7FS-PL			FLAmps:	8.5/4.9
Enclosure:	TEFC	Voltage:	230/400 V	Frame:	112M
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	2.2	Rotor Inertia:	0.82 lb-ft ²	Date:	6/25/2020
FLRPM:	970	Load Inertia:	N/A	File:	GH6Y22 (2.2kW)

Locked Rotor Amps:	64/37 A	Load Type:	N/A
Locked Rotor Torque:	280%	Starting at:	N/A
Breakdown Torque:	480%	Accel. Time:	N/A
Rated Torque:	15.7 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y22 (2.2kW)

Prepared by: Zichao Xie

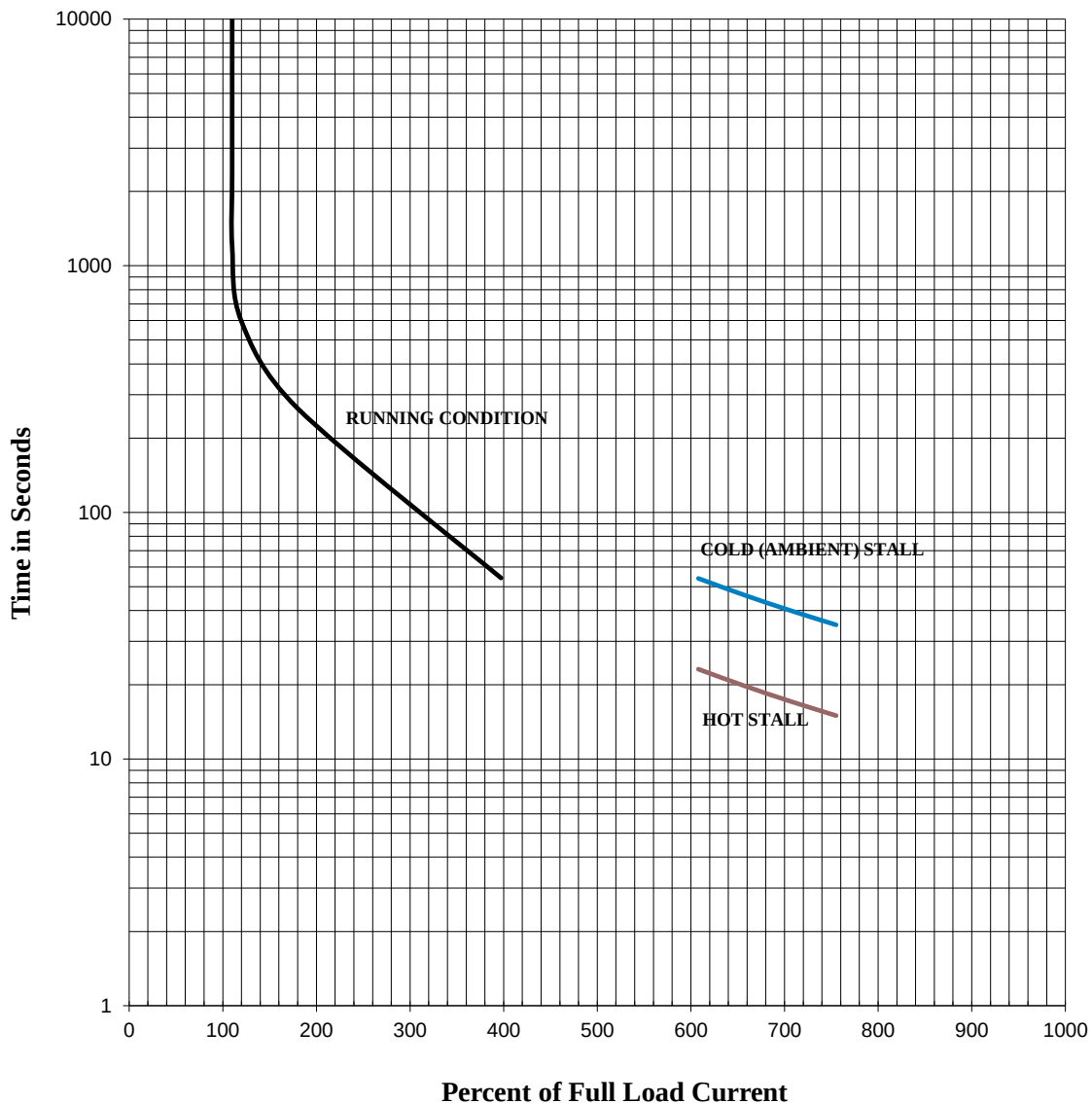
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y226SDMV7FS-PL			FLAmps:	8.5/4.9
Enclosure:	TEFC	Voltage:	230/400 V	Frame:	112M
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	2.2	Rotor Inertia:	0.82 lb-ft ²	Date:	6/25/2020
FLRPM:	970	Load Inertia:	N/A	File:	GH6Y22 (2.2kW)



Comments: PROJECT -

D.E.Curve #: GH6Y22 (2.2kW)

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
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	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: 112M	ENCL: TEFC	FLAMPS: 8.3/4.8	FLRPM: 975
FORM: FBK1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: Y226SDMV7FS-PL		kW: 2.2	
NOM. EFF.: 84.3	MIN. EFF.: -	cosØ 0.70	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 68/39	FULL LOAD (lb-ft.): 15.6	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 310	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 515	

EFFICIENCY	POWER FACTOR
FULL LOAD: 90.0	FULL LOAD: 70.8
3/4 LOAD: 89.5	3/4 LOAD: 64.6
1/2 LOAD: 86.9	1/2 LOAD: 53.3

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: 6/25/2020

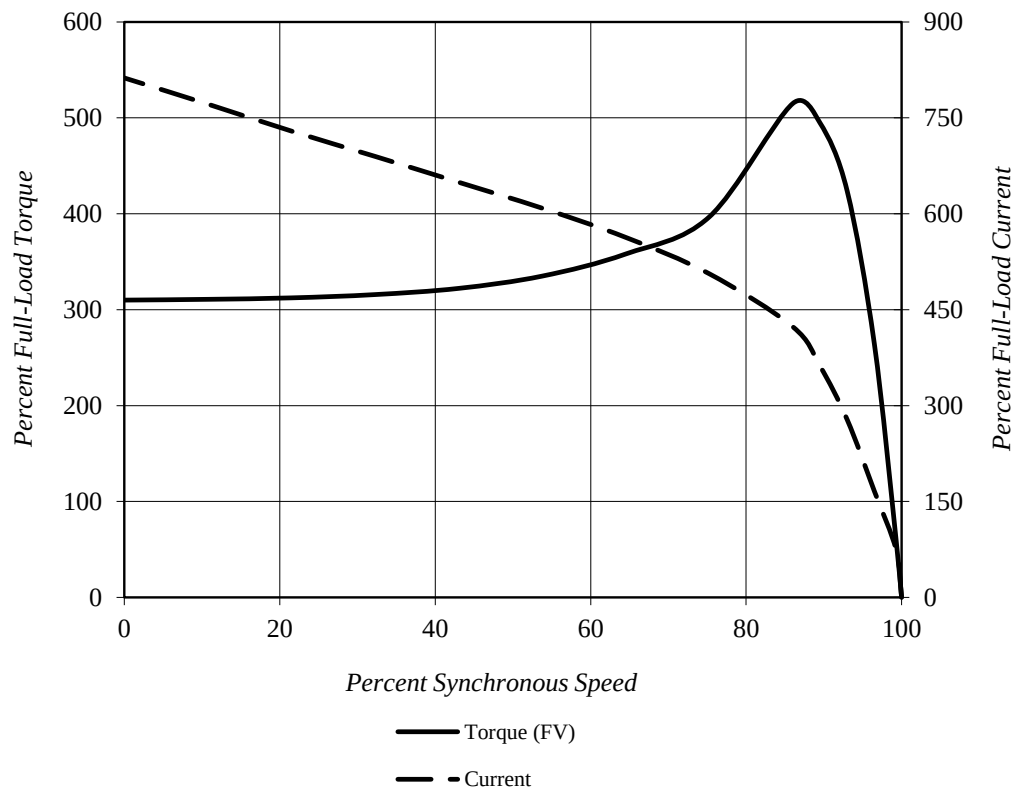
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y226SDMV7FS-PL			FLAmps:	8.3/4.8
Enclosure:	TEFC	Voltage:	240/415 V	Frame:	112M
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	2.2	Rotor Inertia:	0.82 lb-ft ²	Date:	6/25/2020
FLRPM:	975	Load Inertia:	N/A	File:	GH6Y22 (2.2kW)

Locked Rotor Amps:	68/39 A	Load Type:	N/A
Locked Rotor Torque:	310%	Starting at:	N/A
Breakdown Torque:	515%	Accel. Time:	N/A
Rated Torque:	15.6 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y22 (2.2kW)

Prepared by: Zichao Xie

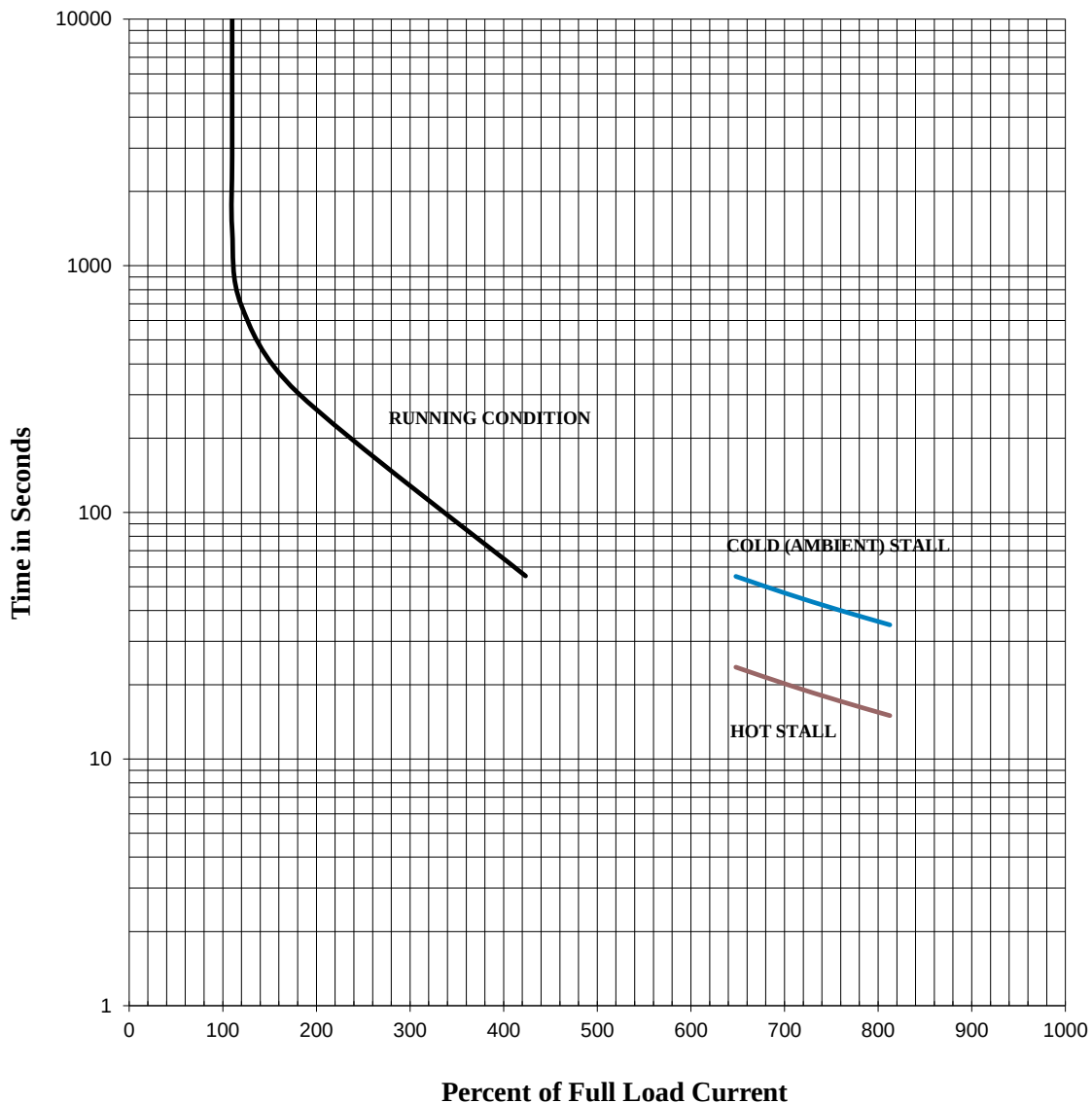
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y226SDMV7FS-PL			FLAmps:	8.3/4.8
Enclosure:	TEFC	Voltage:	240/415 V	Frame:	112M
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	2.2	Rotor Inertia:	0.82 lb-ft ²	Date:	6/25/2020
FLRPM:	975	Load Inertia:	N/A	File:	GH6Y22 (2.2kW)



Comments: PROJECT -

D.E.Curve #: GH6Y22 (2.2kW)

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
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	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: 112M	ENCL: TEFC	FLAMPS: 8.8/5.1	FLRPM: 965
FORM: FBK1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: Y226SDMV7FS-PL		kW: 2.2	
NOM. EFF.: 84.3	MIN. EFF.: -	cosØ 0.73	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 59/34	FULL LOAD (lb-ft.): 15.7	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 240	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 440	

EFFICIENCY	POWER FACTOR
FULL LOAD: 89.3	FULL LOAD: 73.5
3/4 LOAD: 89.4	3/4 LOAD: 68.8
1/2 LOAD: 87.6	1/2 LOAD: 58.7

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: 6/25/2020

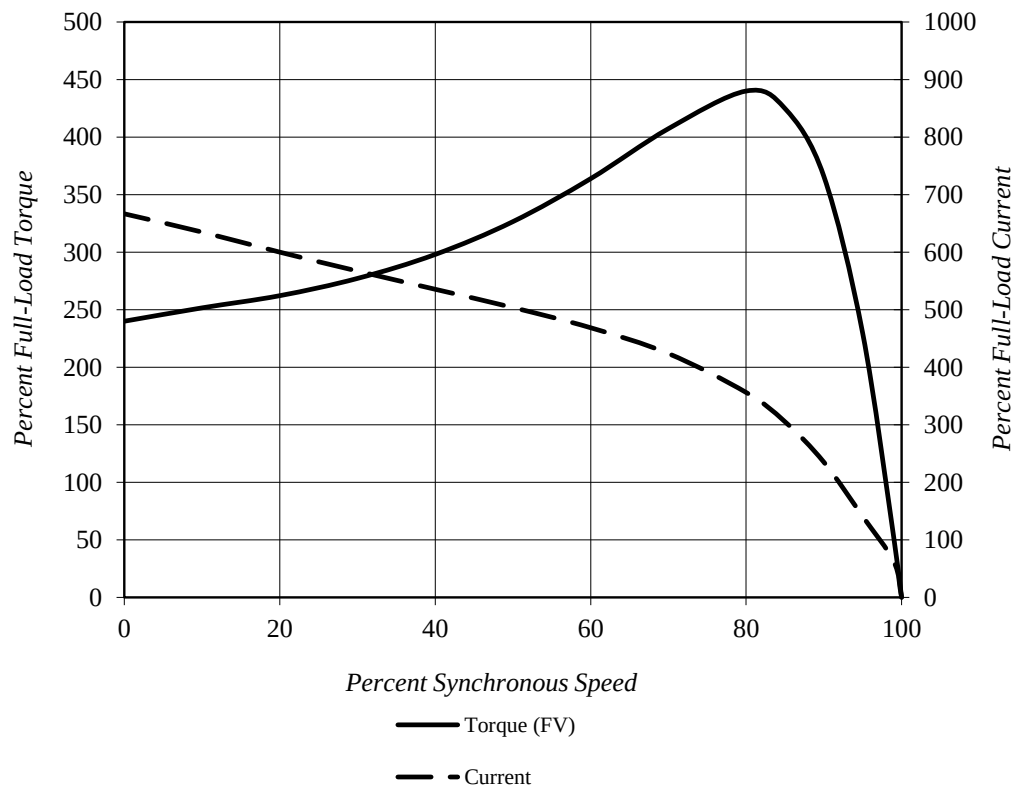
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y226SDMV7FS-PL			FLAmps:	8.8/5.1
Enclosure:	TEFC	Voltage:	220/380 V	Frame:	112M
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	2.2	Rotor Inertia:	0.82 lb-ft ²	Date:	6/25/2020
FLRPM:	965	Load Inertia:	N/A	File:	GH6Y22 (2.2kW)

Locked Rotor Amps:	59/34 A	Load Type:	N/A
Locked Rotor Torque:	240%	Starting at:	N/A
Breakdown Torque:	440%	Accel. Time:	N/A
Rated Torque:	15.7 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y22 (2.2kW)

Prepared by: Zichao Xie

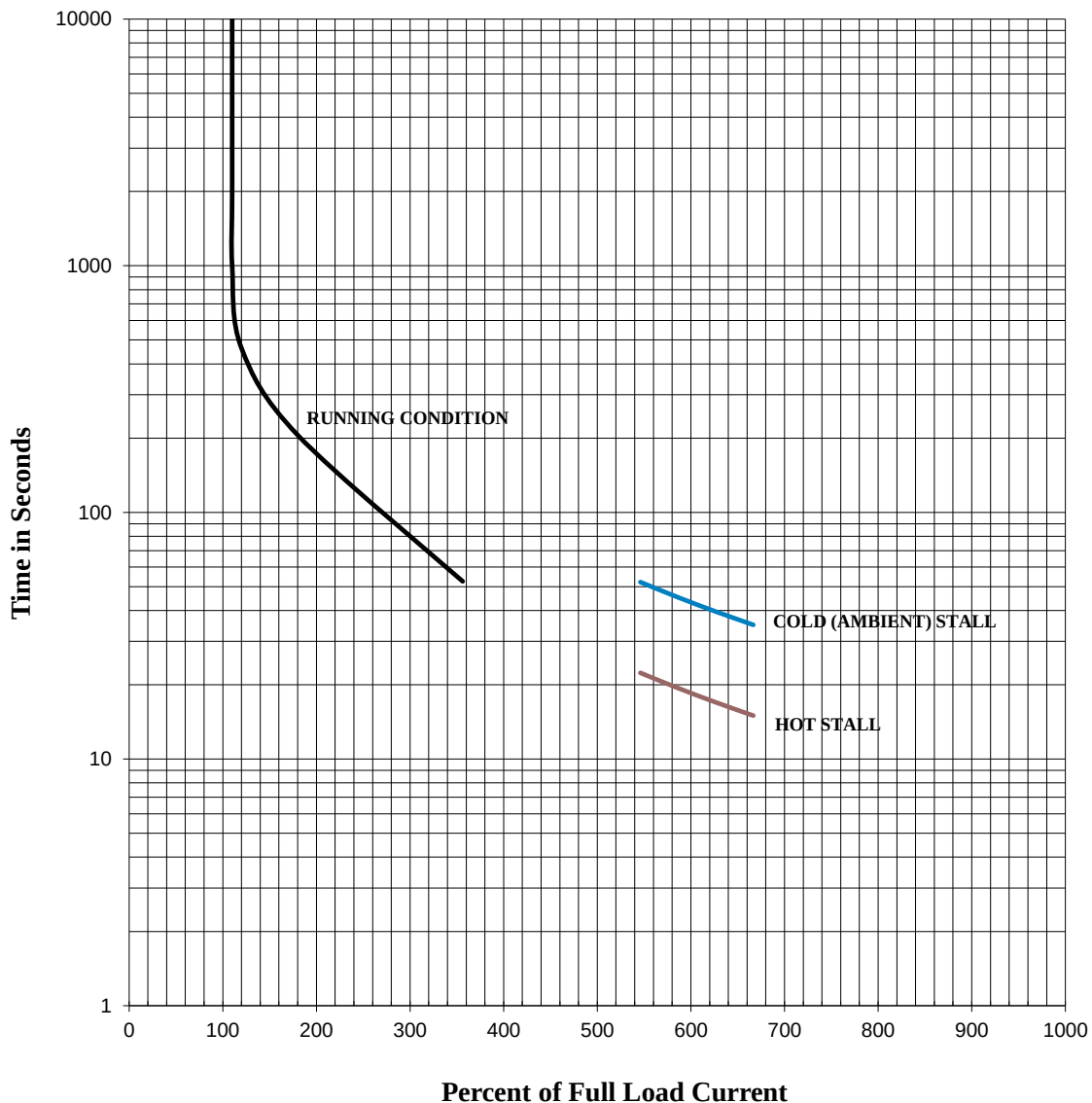
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y226SDMV7FS-PL			FLAmps:	8.8/5.1
Enclosure:	TEFC	Voltage:	220/380 V	Frame:	112M
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	2.2	Rotor Inertia:	0.82 lb-ft ²	Date:	6/25/2020
FLRPM:	965	Load Inertia:	N/A	File:	GH6Y22 (2.2kW)



Comments: PROJECT -

D.E.Curve #: GH6Y22 (2.2kW)

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.: 3	VOLTS: 460	3 PH / 60 Hz	S. RPM: 1200
FRAME: 112M	ENCL: TEFC	FLAMPS: 4.5	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.: Y226SDMV7FS-PL		kW: 2.2	
NOM. EFF.: 89.5	MIN. EFF.: -	P.F.: 68.5	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 34	FULL LOAD (lb-ft.): 12.9	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 365	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 545	

EFFICIENCY	POWER FACTOR
FULL LOAD: 90.4	FULL LOAD: 68.5
3/4 LOAD: 89.5	3/4 LOAD: 62.4
1/2 LOAD: 86.6	1/2 LOAD: 51.3

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).
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CERTIFIED BY: Zichao Xie

DATE: 6/25/2020

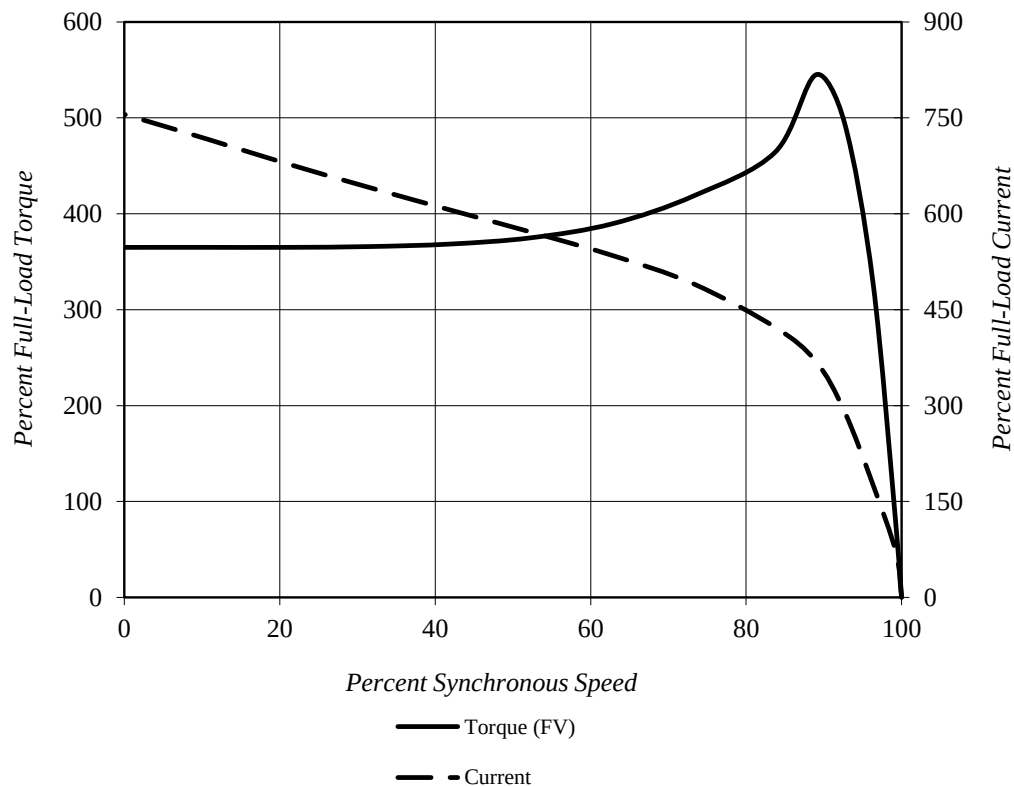
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y226SDMV7FS-PL			FLAmps:	4.5
Enclosure:	TEFC	Voltage:	460 V	Frame:	112M
Pole:	6	Frequency:	3 PH / 60 Hz	Ins. Class:	F
HP:	3	Rotor Inertia:	0.82 lb-ft ²	Date:	6/25/2020
FLRPM:	1175	Load Inertia:	N/A	File:	GH6Y22 (2.2kW)

Locked Rotor Amps:	34 A	Load Type:	N/A
Locked Rotor Torque:	365%	Starting at:	N/A
Breakdown Torque:	545%	Accel. Time:	N/A
Rated Torque:	12.9 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y22 (2.2kW)

Prepared by: Zichao Xie

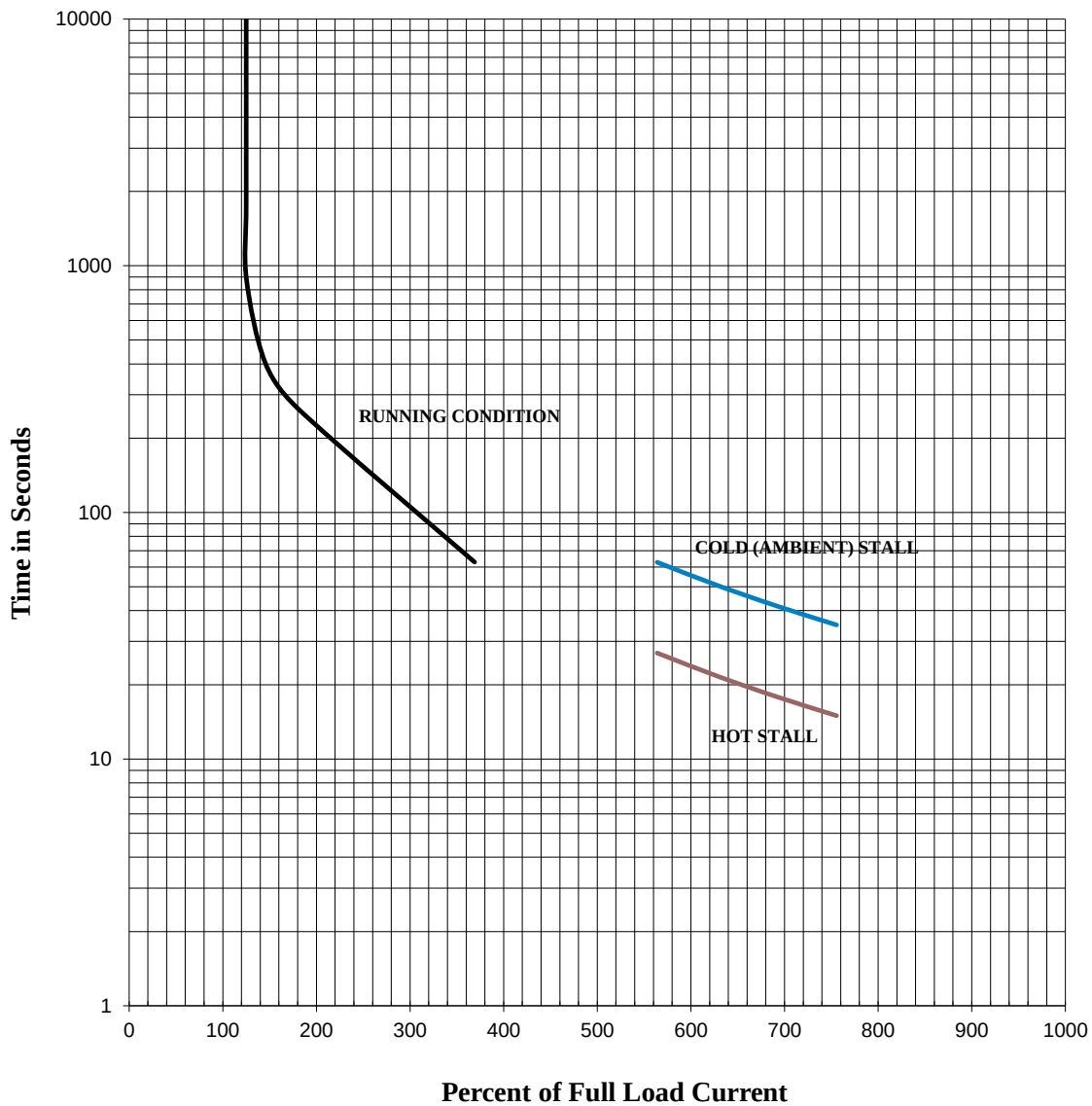
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y226SDMV7FS-PL			FLAmps:	4.5
Enclosure:	TEFC	Voltage:	460 V	Frame:	112M
Pole:	6	Frequency:	3 PH / 60 Hz	Ins. Class:	F
HP:	3	Rotor Inertia:	0.82 lb-ft ²	Date:	6/25/2020
FLRPM:	1175	Load Inertia:	N/A	File:	GH6Y22 (2.2kW)



Comments: PROJECT -

D.E.Curve #: GH6Y22 (2.2kW)

Prepared by: Zichao Xie

Checked by: