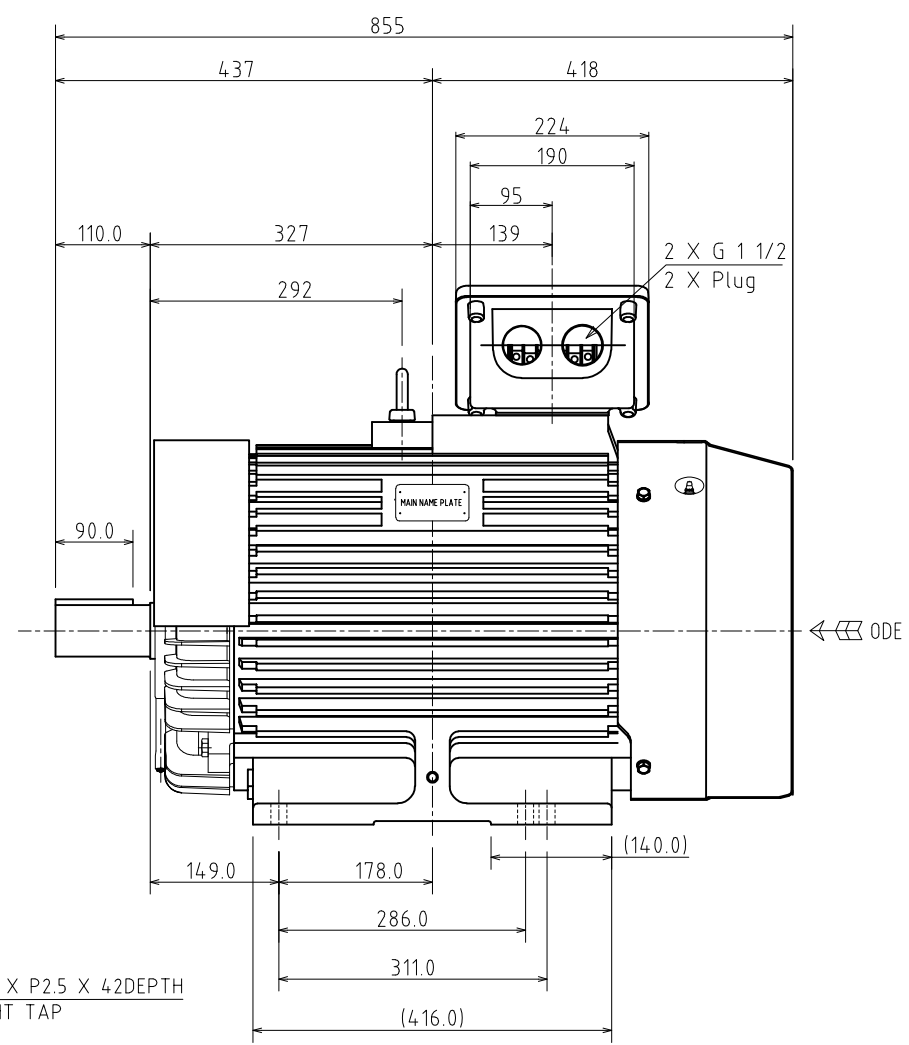
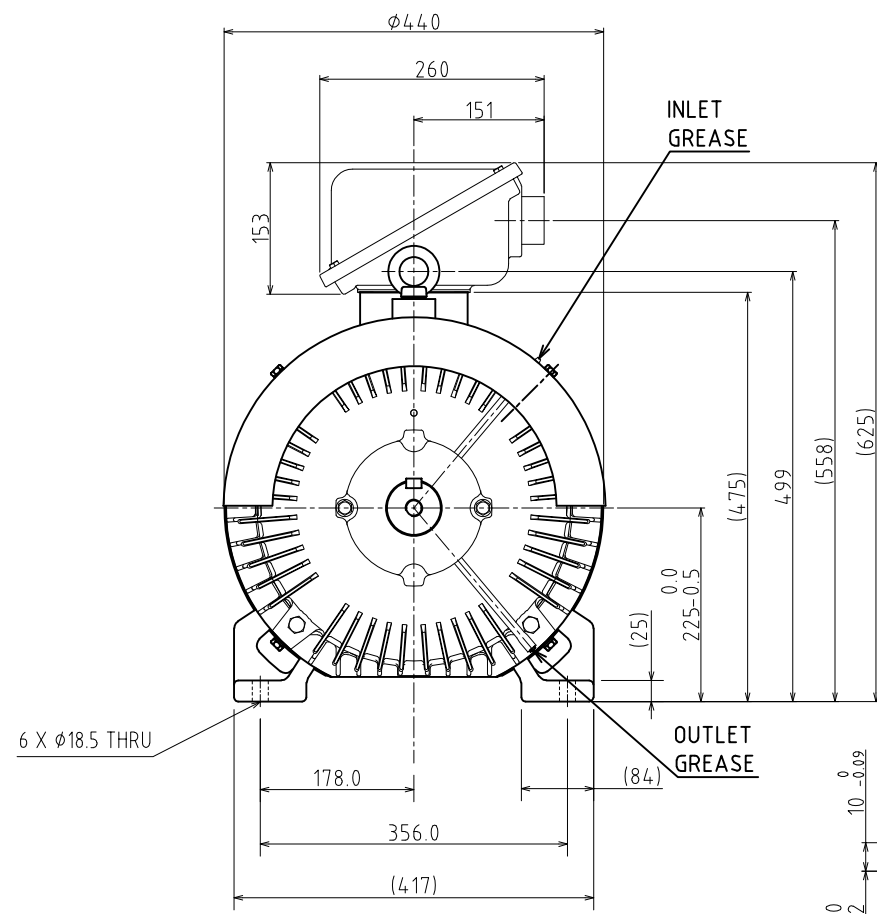


UNIT: mm

ROTATION: CCW
VIEW FROM: ODE

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: 2P - 400V	TOLERANCES						
		FRAME: 225S	X. ±2.0						
			X.X ±0.5						
3HFN000261		X.XX ±0.1							
		MAXIMUM MOTOR WEIGHT							
TOSHIBA TOSHIBA INTERNATIONAL CORPORATION		-- lbs.	03	Change dimension for foot holes	M.M.Nhat	Aug-26-19	T.Danh	DRAWN BY: HIEN. NGUYEN	
		-- kgs.	02	Change to dimension KEY thickness	T.Danh	Sep-08-18	B.Quynh	CHECK BY: B.X.GUYNH	
			01	Change to fancover	T.Danh	Feb-08-18	Q.Hung	APPROVED BY: JAY BUGBEE	
			NO	REVISION					
					DRAWN BY	DATE	CHECK	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: 400	3 PH / 50 Hz	S. RPM: 3000
FRAME: 225S	ENCL: TEFC	FLAMPS: 82	FLRPM: 2965
FORM: FCK1	S.F.: -	IEC DESIGN NE	INSUL CLASS: F
TYPE: TKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: 0452SDMW7FS-P		kW: 45	
NOM. EFF.: 94.0	MIN. EFF.: -	cosØ 0.84	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 781	FULL LOAD (lb-ft.): 107	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 320	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 345	

EFFICIENCY	POWER FACTOR
FULL LOAD: 94.7	FULL LOAD: 84.0
3/4 LOAD: 93.9	3/4 LOAD: 79.6
1/2 LOAD: 91.9	1/2 LOAD: 70.0

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: 1/15/2020

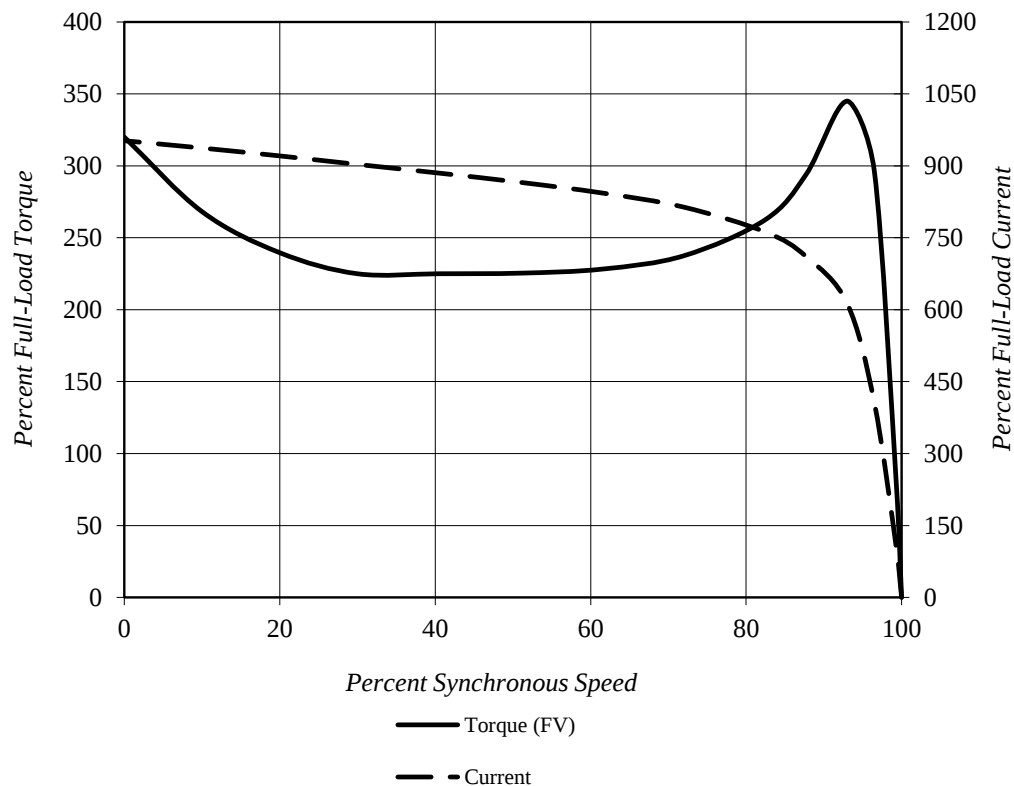
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0452SDMW7FS-P			FLAmps:	82
Enclosure:	TEFC	Voltage:	400 V	Frame:	225S
Pole:	2	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	45	Rotor Inertia:	8.4 lb-ft ²	Date:	1/15/2020
FLRPM:	2965	Load Inertia:	N/A	File:	GH2045 (45kW)

Locked Rotor Amps:	781 A	Load Type:	N/A
Locked Rotor Torque:	320%	Starting at:	N/A
Breakdown Torque:	345%	Accel. Time:	N/A
Rated Torque:	107 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH2045 (45kW)

Prepared by: Zichao Xie

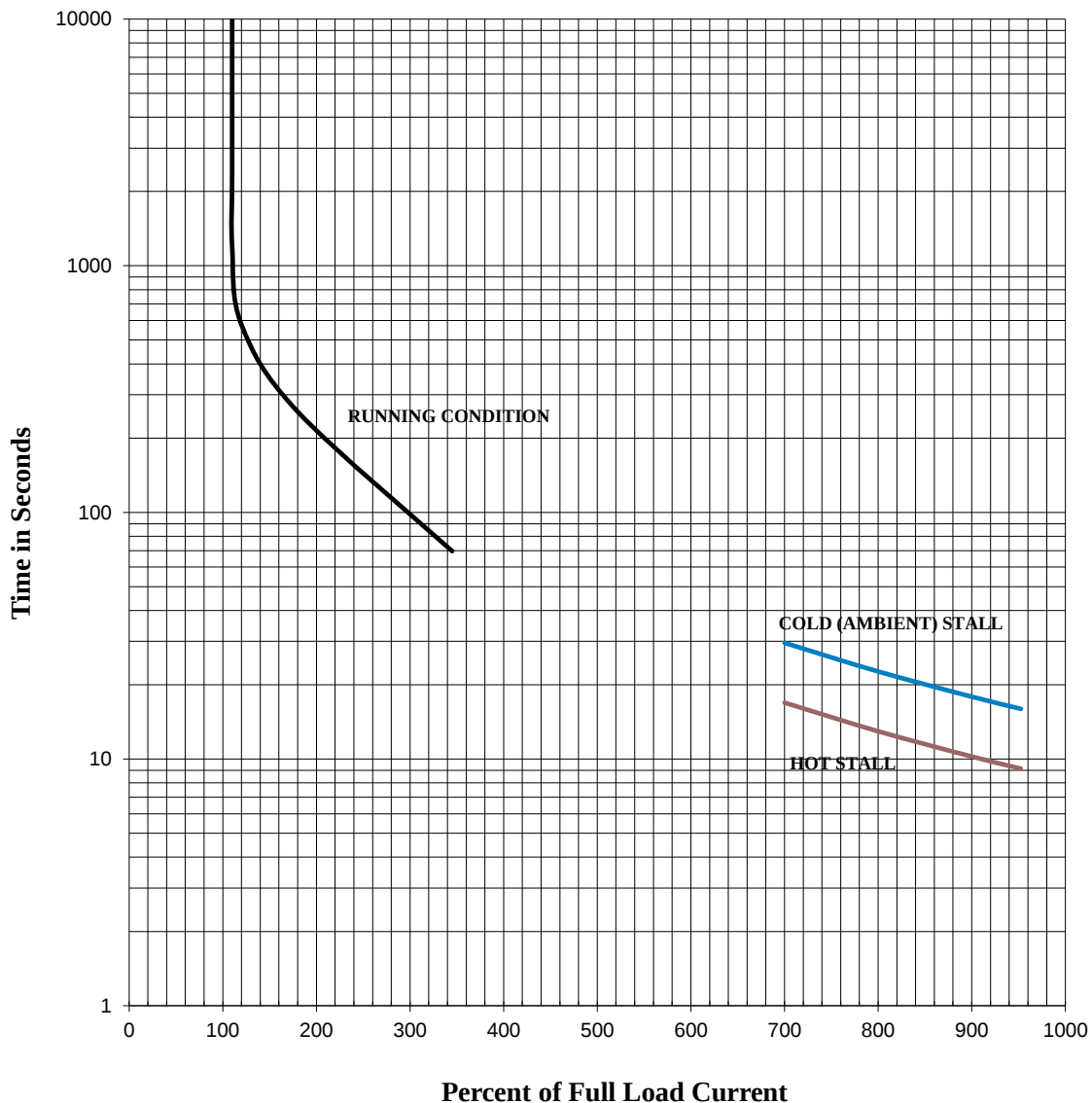
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0452SDMW7FS-P			FLAmps:	82
Enclosure:	TEFC	Voltage:	400 V	Frame:	225S
Pole:	2	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	45	Rotor Inertia:	8.4 lb-ft ²	Date:	1/15/2020
FLRPM:	2965	Load Inertia:	N/A	File:	GH2045 (45kW)



Comments: PROJECT -

D.E.Curve #: GH2045 (45kW)

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: 415	3 PH / 50 Hz	S. RPM: 3000
FRAME: 225S	ENCL: TEFC	FLAMPS: 81	FLRPM: 2965
FORM: FCK1	S.F.: -	IEC DESIGN NE	INSUL CLASS: F
TYPE: TKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: 0452SDMW7FS-P		kW: 45	
NOM. EFF.: 94.0	MIN. EFF.: -	cosØ 0.81	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 815	FULL LOAD (lb-ft.): 107	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 350	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 365	

EFFICIENCY	POWER FACTOR
FULL LOAD: 94.9	FULL LOAD: 81.9
3/4 LOAD: 94.1	3/4 LOAD: 76.6
1/2 LOAD: 91.9	1/2 LOAD: 65.7

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: 1/15/2020

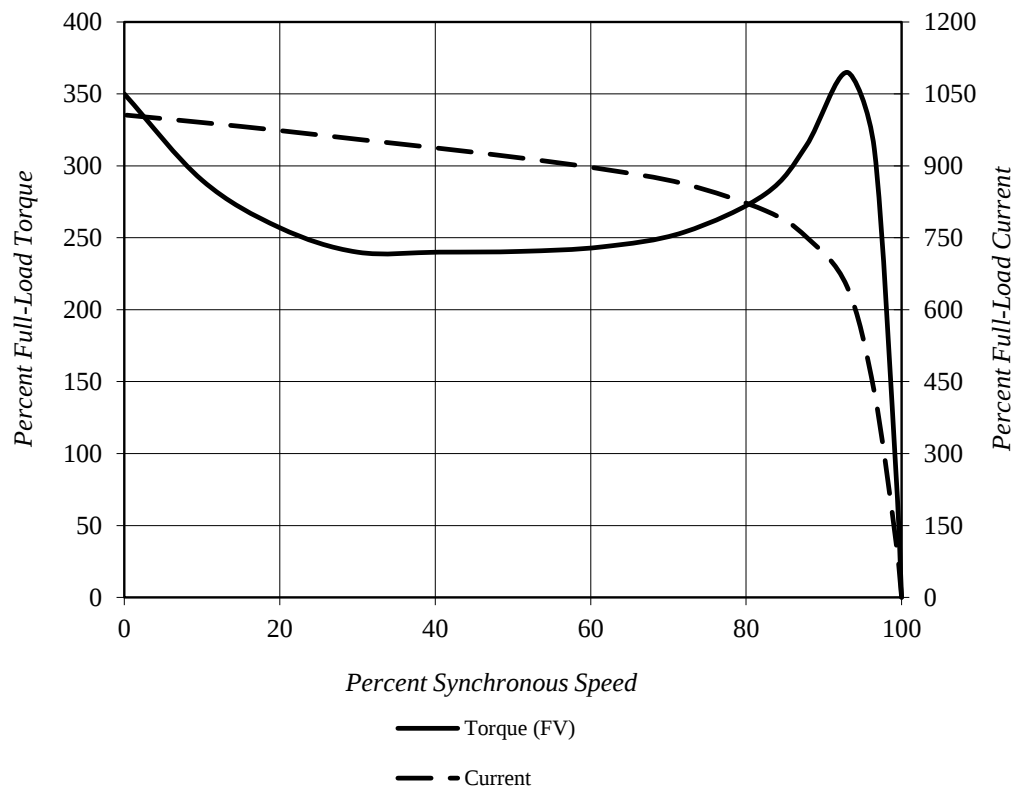
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0452SDMW7FS-P			FLAmps:	81
Enclosure:	TEFC	Voltage:	415 V	Frame:	225S
Pole:	2	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	45	Rotor Inertia:	8.4 lb-ft ²	Date:	1/15/2020
FLRPM:	2965	Load Inertia:	N/A	File:	GH2045 (45kW)

Locked Rotor Amps:	815 A	Load Type:	N/A
Locked Rotor Torque:	350%	Starting at:	N/A
Breakdown Torque:	365%	Accel. Time:	N/A
Rated Torque:	107 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH2045 (45kW)

Prepared by: Zichao Xie

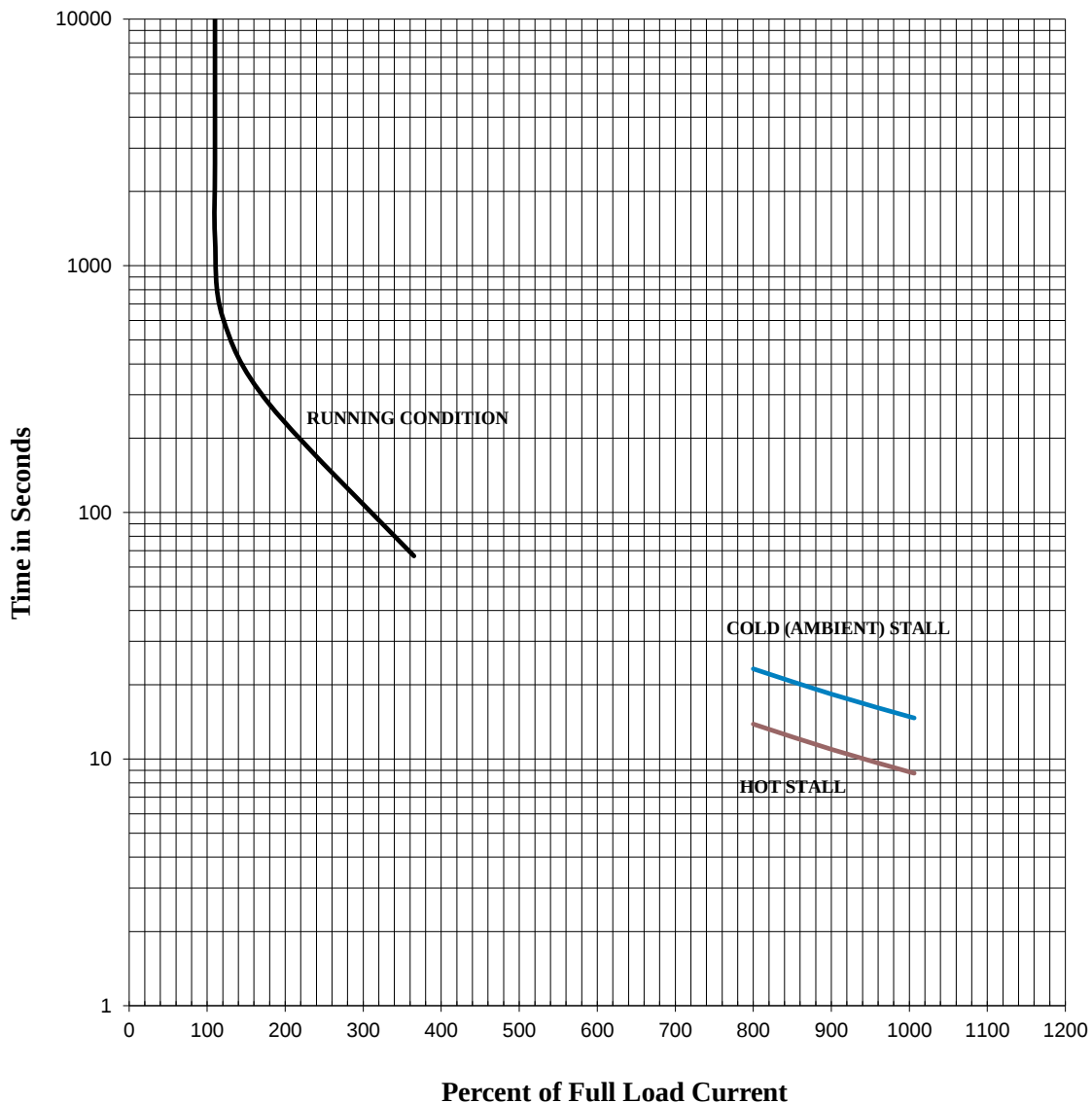
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0452SDMW7FS-P			FLAmps:	81
Enclosure:	TEFC	Voltage:	415 V	Frame:	225S
Pole:	2	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	45	Rotor Inertia:	8.4 lb-ft ²	Date:	1/15/2020
FLRPM:	2965	Load Inertia:	N/A	File:	GH2045 (45kW)



Comments: PROJECT -

D.E.Curve #: GH2045 (45kW)

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: 380	3 PH / 50 Hz	S. RPM: 3000
FRAME: 225S	ENCL: TEFC	FLAMPS: 84	FLRPM: 2960
FORM: FCK1	S.F.: -	IEC DESIGN NE	INSUL CLASS: F
TYPE: TKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: 0452SDMW7FS-P		kW: 45	
NOM. EFF.: 94.0	MIN. EFF.: -	cosØ 0.86	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 736	FULL LOAD (lb-ft.): 107	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 285	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 315	

EFFICIENCY	POWER FACTOR
FULL LOAD: 94.5	FULL LOAD: 86.4
3/4 LOAD: 93.8	3/4 LOAD: 83.3
1/2 LOAD: 92.0	1/2 LOAD: 75.7

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: 1/15/2020

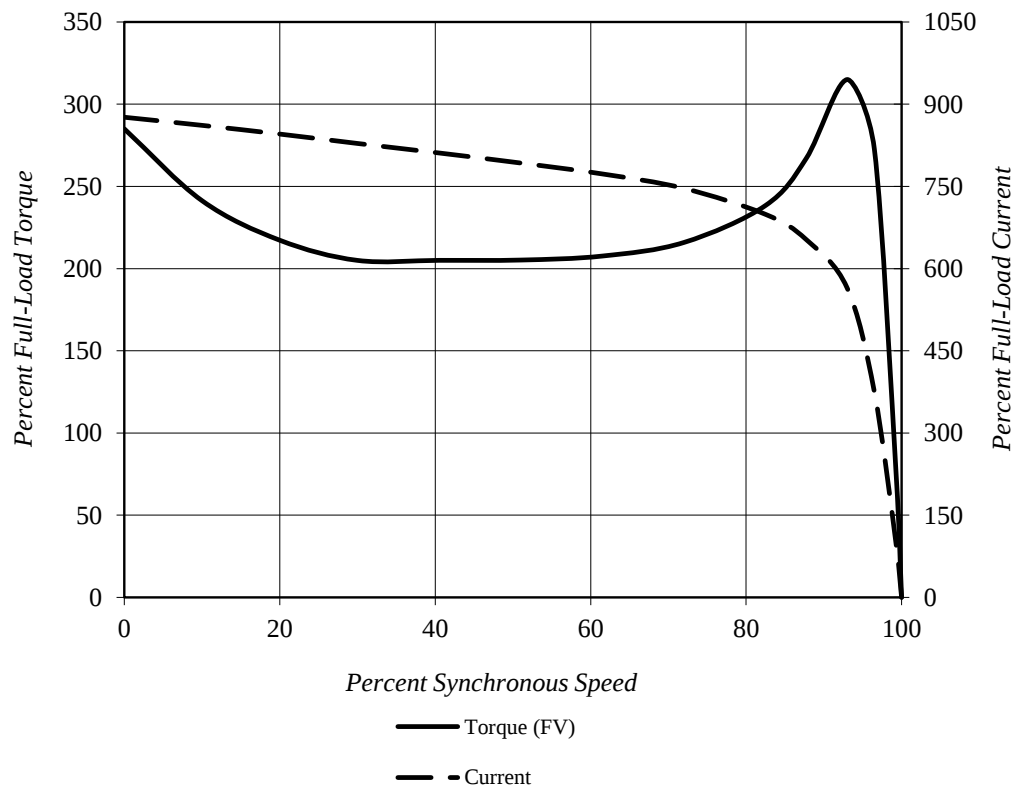
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0452SDMW7FS-P			FLAmps:	84
Enclosure:	TEFC	Voltage:	380 V	Frame:	225S
Pole:	2	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	45	Rotor Inertia:	8.4 lb-ft ²	Date:	1/15/2020
FLRPM:	2960	Load Inertia:	N/A	File:	GH2045 (45kW)

Locked Rotor Amps:	736 A	Load Type:	N/A
Locked Rotor Torque:	285%	Starting at:	N/A
Breakdown Torque:	315%	Accel. Time:	N/A
Rated Torque:	107 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH2045 (45kW)

Prepared by: Zichao Xie

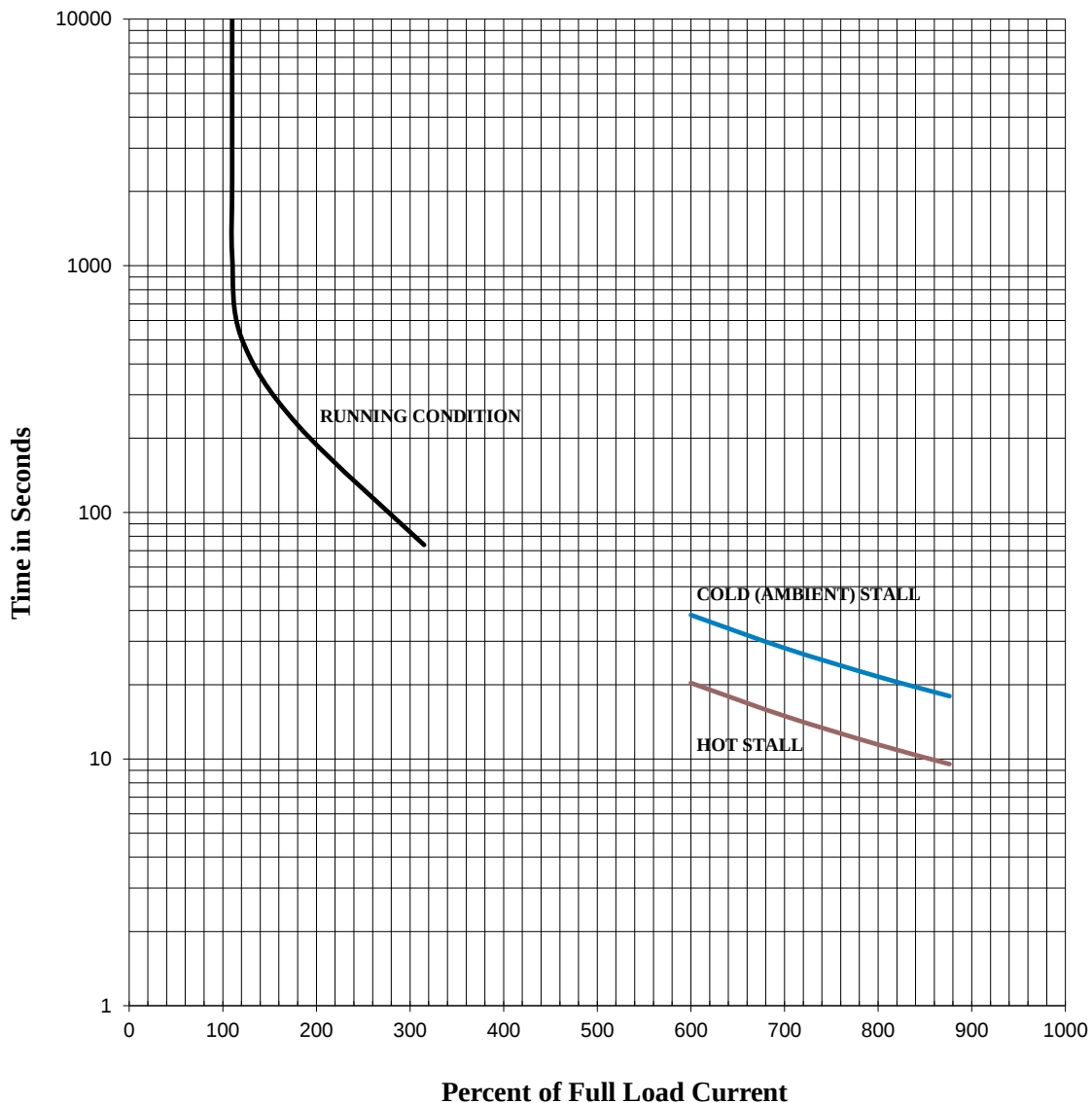
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0452SDMW7FS-P			FLAmps:	84
Enclosure:	TEFC	Voltage:	380 V	Frame:	225S
Pole:	2	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	45	Rotor Inertia:	8.4 lb-ft ²	Date:	1/15/2020
FLRPM:	2960	Load Inertia:	N/A	File:	GH2045 (45kW)



Comments: PROJECT -

D.E.Curve #: GH2045 (45kW)

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.: 60	VOLTS: 460	3 PH / 60 Hz	S. RPM: 3600
FRAME: 225S	ENCL: TEFC	FLAMPS: 71	FLRPM: 3570
FORM: FCK1	S.F.: 1.15	NEMA DESIGN: A	INSUL CLASS: F
TYPE: TKKH	AMB.: 40°C	CODE: L	DUTY: Cont.
MODEL No.: 0452SDMW7FS-P		kW: 45	
NOM. EFF.: 93.6	MIN. EFF.: -	P.F.: 83.5	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 741	FULL LOAD (lb-ft.): 89	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 370	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 370	

EFFICIENCY	POWER FACTOR
FULL LOAD: 94.9	FULL LOAD: 83.9
3/4 LOAD: 93.8	3/4 LOAD: 79.4
1/2 LOAD: 91.4	1/2 LOAD: 69.6

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).
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CERTIFIED BY: Zichao Xie

DATE: 1/15/2020

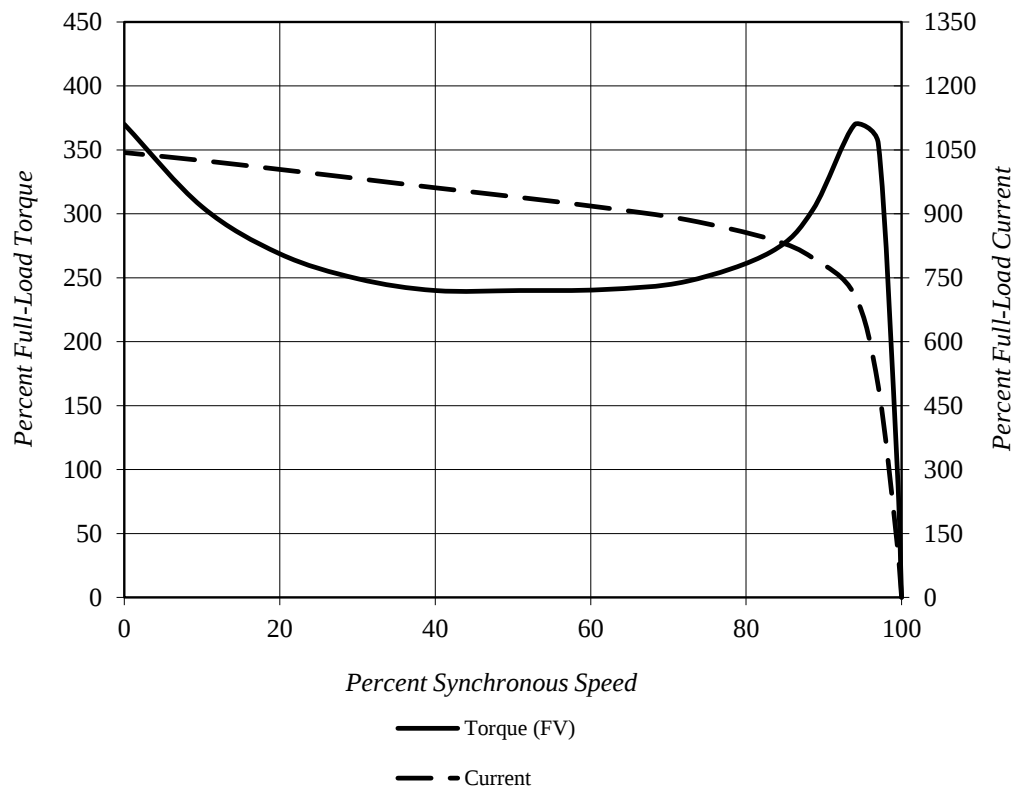
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0452SDMW7FS-P			FLAmps:	71
Enclosure:	TEFC	Voltage:	460 V	Frame:	225S
Pole:	2	Frequency:	3 PH / 60 Hz	Ins. Class:	F
HP:	60	Rotor Inertia:	8.4 lb-ft ²	Date:	1/15/2020
FLRPM:	3570	Load Inertia:	N/A	File:	GH2045 (45kW)

Locked Rotor Amps:	741 A	Load Type:	N/A
Locked Rotor Torque:	370%	Starting at:	N/A
Breakdown Torque:	370%	Accel. Time:	N/A
Rated Torque:	89 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH2045 (45kW)

Prepared by: Zichao Xie

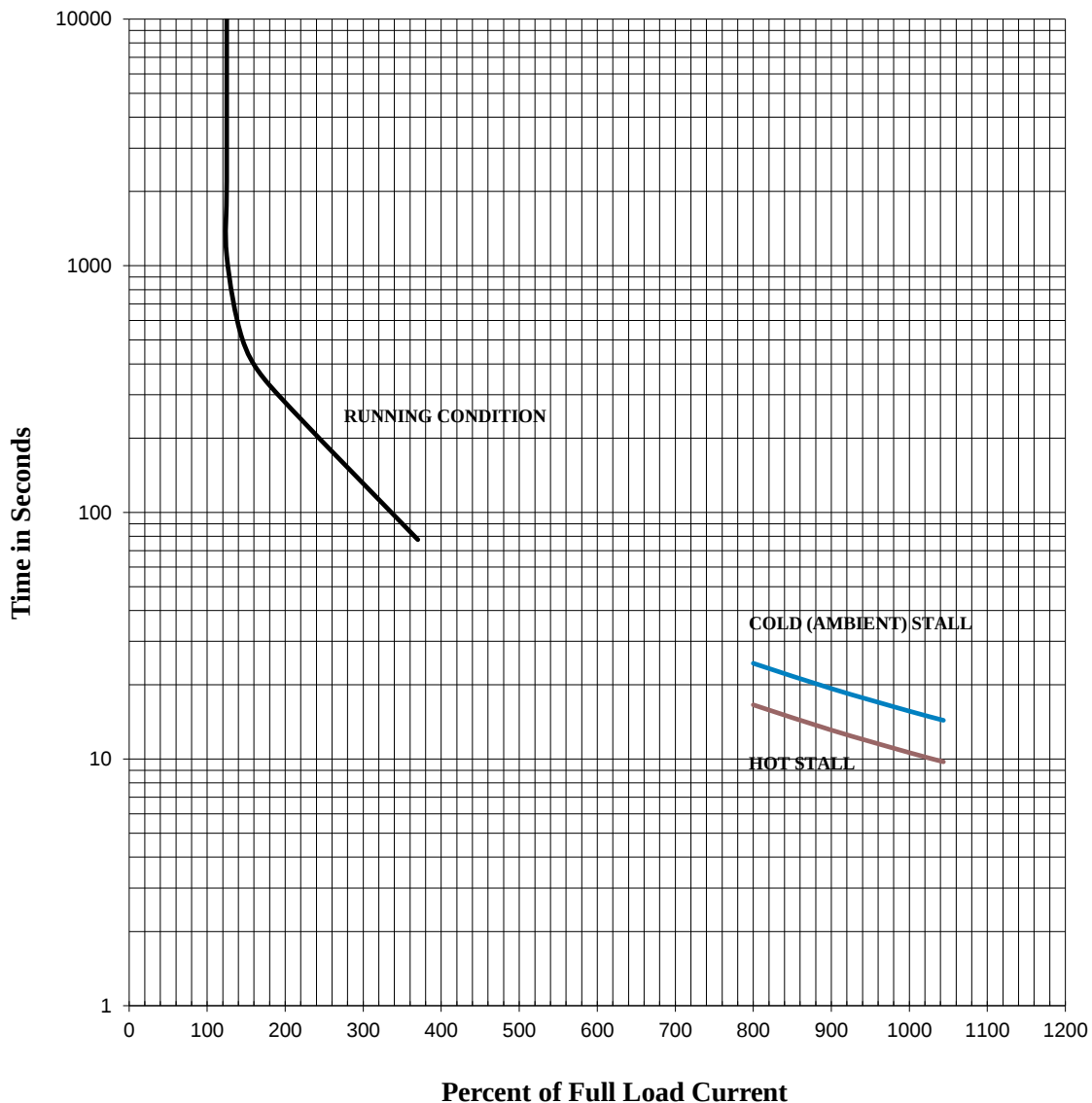
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0452SDMW7FS-P			FLAmps:	71
Enclosure:	TEFC	Voltage:	460 V	Frame:	225S
Pole:	2	Frequency:	3 PH / 60 Hz	Ins. Class:	F
HP:	60	Rotor Inertia:	8.4 lb-ft ²	Date:	1/15/2020
FLRPM:	3570	Load Inertia:	N/A	File:	GH2045 (45kW)



Comments: PROJECT -

D.E.Curve #: GH2045 (45kW)

Prepared by: Zichao Xie

Checked by: