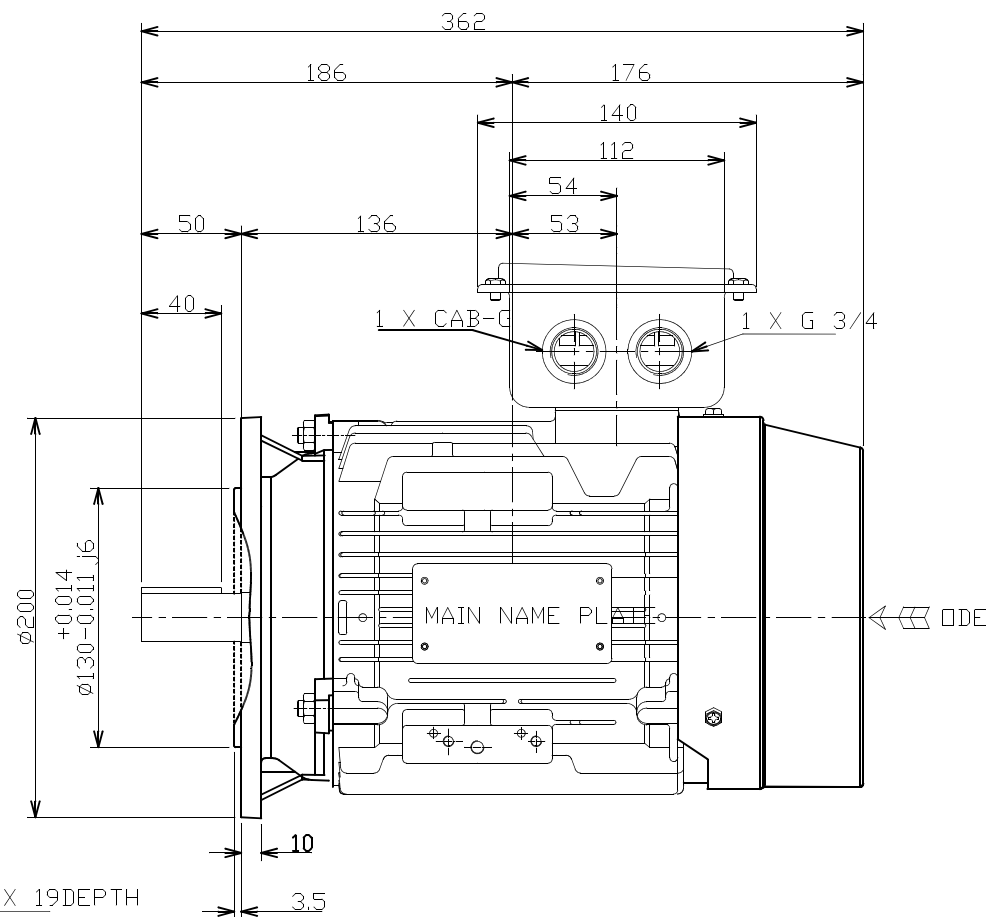
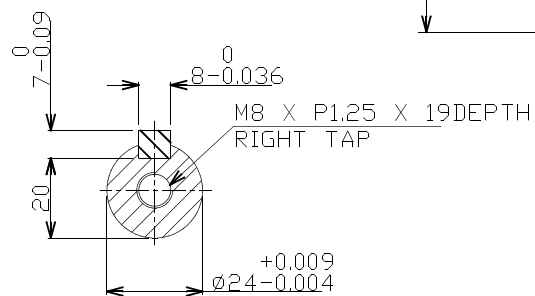
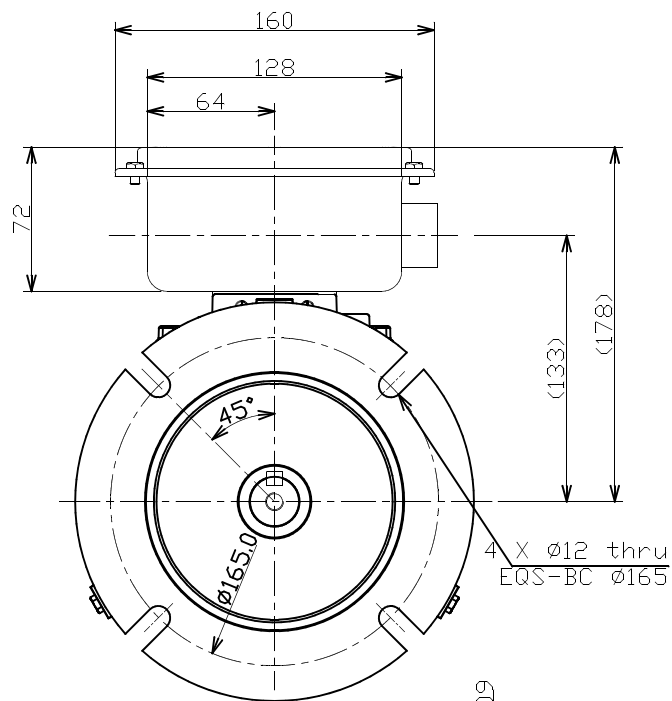




UNIT: mm

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.

B5-FLANGE MOTOR
DL DRAWING IEC GLOBAL

TYPE: 2-4-6P -
400V
FRAME: 90L

TOLERANCES
X, ±2.0
X.X ±0.5
X.XX ±0.1

3HFN000240

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

MAXIMUM
MOTOR WEIGHT

- lbs.
- kgs.

01	Change design BB adding slot hole	T.Danh	20-Apr-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: 90L	ENCL: TEFC	FLAMPS: 3.7/2.1	FLRPM: 970
FORM: FBKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: X756SDMV7JS-PL		kW: 0.75	
NOM. EFF.: 78.9	MIN. EFF.: -	cosØ 0.61	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 25/14.5	FULL LOAD (lb-ft.): 5.5	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 390	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 430	

EFFICIENCY	POWER FACTOR
FULL LOAD: 83.3	FULL LOAD: 61.7
3/4 LOAD: 82.7	3/4 LOAD: 54.4
1/2 LOAD: 80.6	1/2 LOAD: 46.7

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

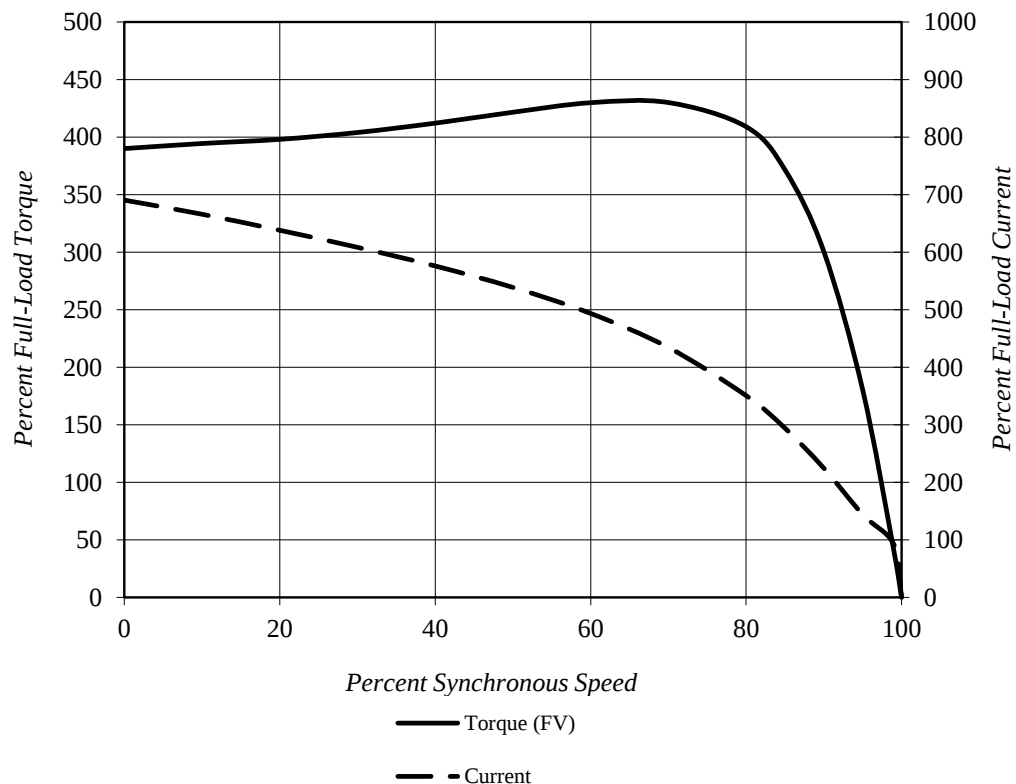
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	X756SDMV7JS-PL			FLAmps:	3.7/2.1
Enclosure:	TEFC	Voltage:	230/400 V	Frame:	90L
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	0.75	Rotor Inertia:	0.18 lb-ft ²	Date:	6/25/2020
FLRPM:	970	Load Inertia:	N/A	File:	H6X75 (0.75kW)

Locked Rotor Amps:	25/14.5 A	Load Type:	N/A
Locked Rotor Torque:	390%	Starting at:	N/A
Breakdown Torque:	430%	Accel. Time:	N/A
Rated Torque:	5.5 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: H6X75 (0.75kW)

Prepared by: Zichao Xie

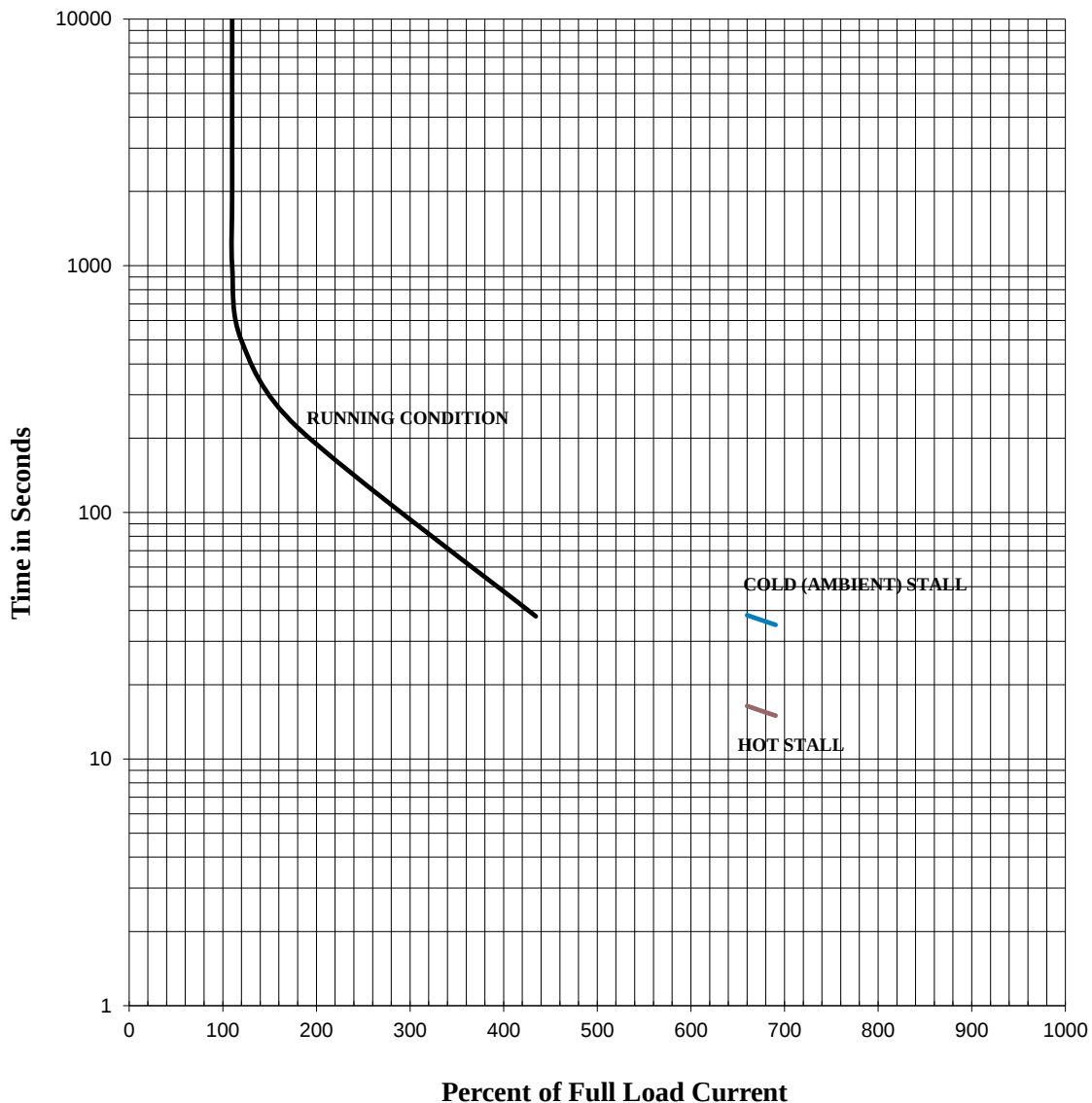
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	X756SDMV7JS-PL			FLAmps:	3.7/2.1
Enclosure:	TEFC	Voltage:	230/400 V	Frame:	90L
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	0.75	Rotor Inertia:	0.18 lb-ft ²	Date:	6/25/2020
FLRPM:	970	Load Inertia:	N/A	File:	H6X75 (0.75kW



Comments: PROJECT -

D.E.Curve #: H6X75 (0.75kW

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: 90L	ENCL: TEFC	FLAMPS: 3.6/2.1	FLRPM: 975
FORM: FBKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: X756SDMV7JS-PL		kW: 0.75	
NOM. EFF.: 78.9	MIN. EFF.: -	cosØ 0.58	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 26/15.2	FULL LOAD (lb-ft.): 5.4	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 430	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 455	

EFFICIENCY	POWER FACTOR
FULL LOAD: 83.0	FULL LOAD: 58.9
3/4 LOAD: 81.8	3/4 LOAD: 51.2
1/2 LOAD: 77.3	1/2 LOAD: 40.2

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: 6/25/2020

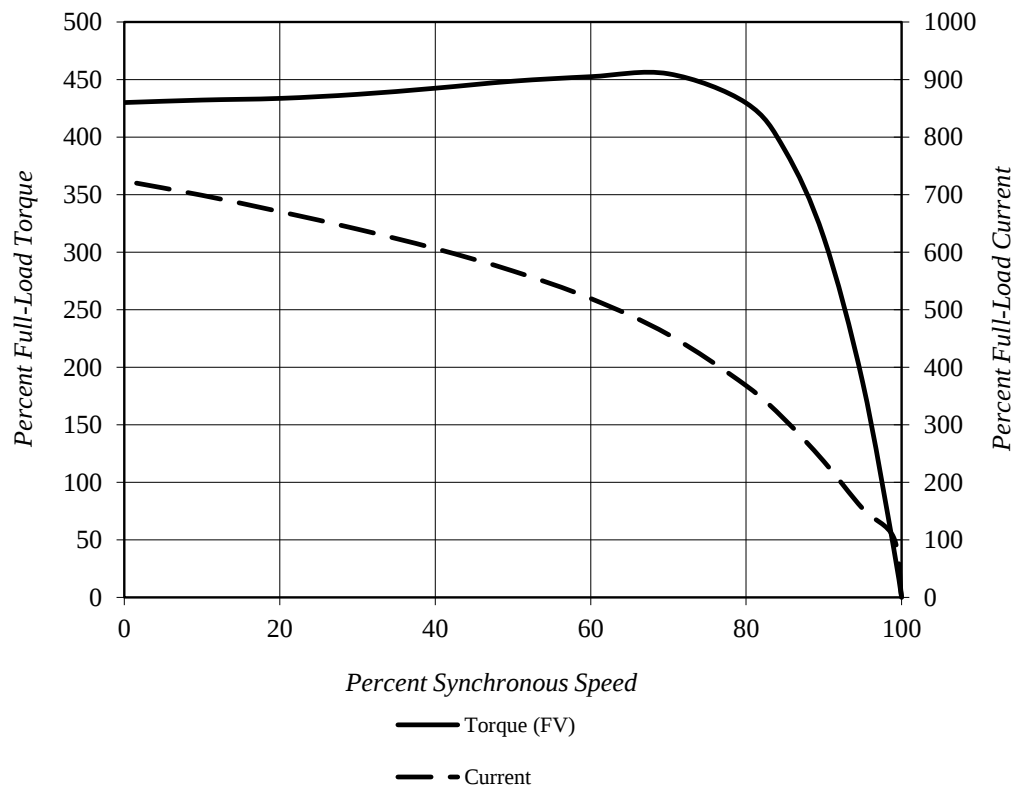
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	X756SDMV7JS-PL			FLAmps:	3.6/2.1
Enclosure:	TEFC	Voltage:	240/415 V	Frame:	90L
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	0.75	Rotor Inertia:	0.18 lb-ft ²	Date:	6/25/2020
FLRPM:	975	Load Inertia:	N/A	File:	H6X75 (0.75kW)

Locked Rotor Amps:	26/15.2 A	Load Type:	N/A
Locked Rotor Torque:	430%	Starting at:	N/A
Breakdown Torque:	455%	Accel. Time:	N/A
Rated Torque:	5.4 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: H6X75 (0.75kW)

Prepared by: Zichao Xie

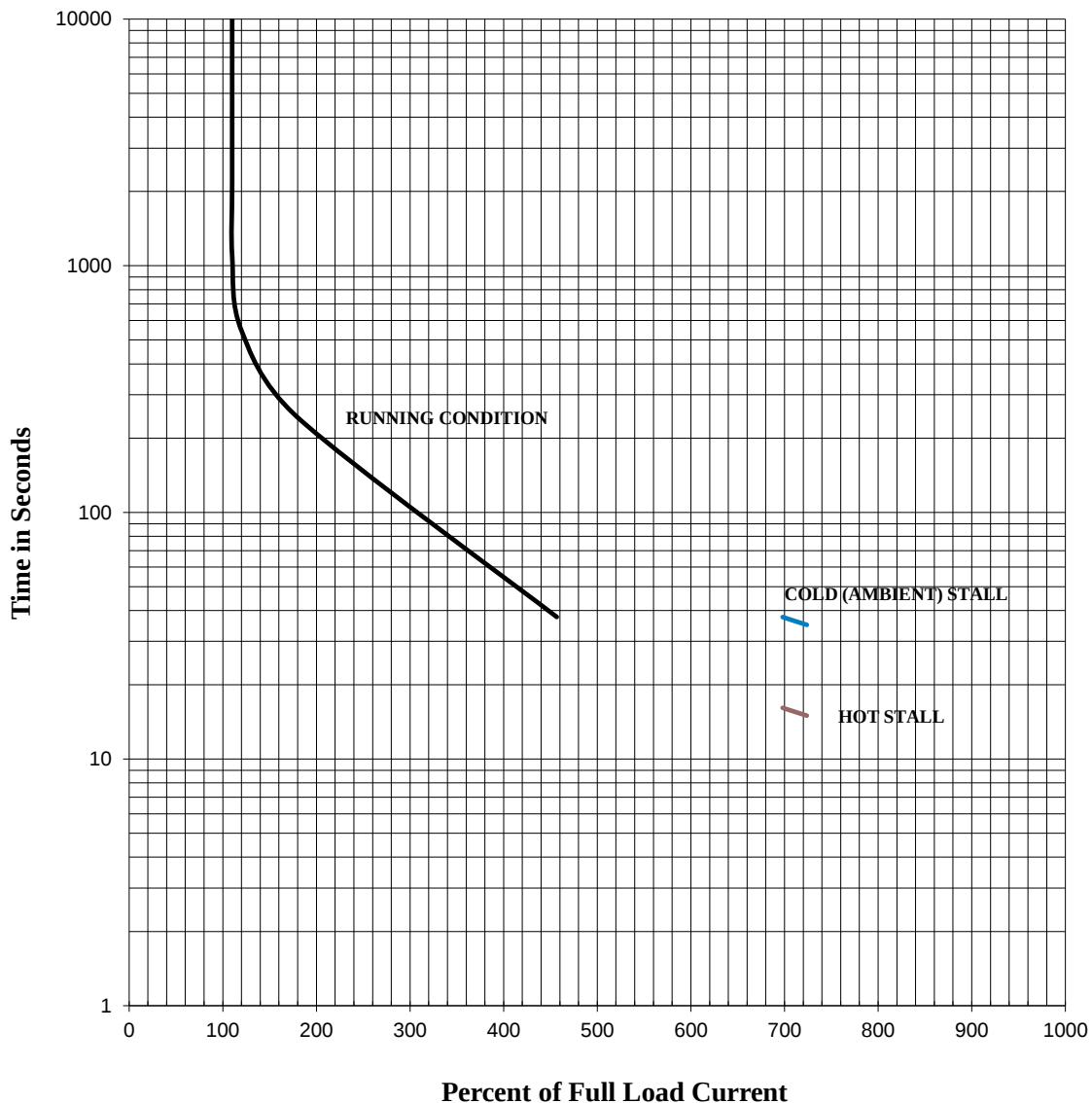
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	X756SDMV7JS-PL			FLAmps:	3.6/2.1
Enclosure:	TEFC	Voltage:	240/415 V	Frame:	90L
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	0.75	Rotor Inertia:	0.18 lb-ft ²	Date:	6/25/2020
FLRPM:	975	Load Inertia:	N/A	File:	H6X75 (0.75kW



Comments: PROJECT -

D.E.Curve #: H6X75 (0.75kW

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: 90L	ENCL: TEFC	FLAMPS: 3.6/2.1	FLRPM: 965
FORM: FBKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: X756SDMV7JS-PL		kW: 0.75	
NOM. EFF.: 78.9	MIN. EFF.: -	cosØ 0.64	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 24/13.6	FULL LOAD (lb-ft.): 5.5	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 345	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 390	

EFFICIENCY	POWER FACTOR
FULL LOAD: 82.9	FULL LOAD: 64.8
3/4 LOAD: 83.2	3/4 LOAD: 58.2
1/2 LOAD: 80.4	1/2 LOAD: 47.3

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

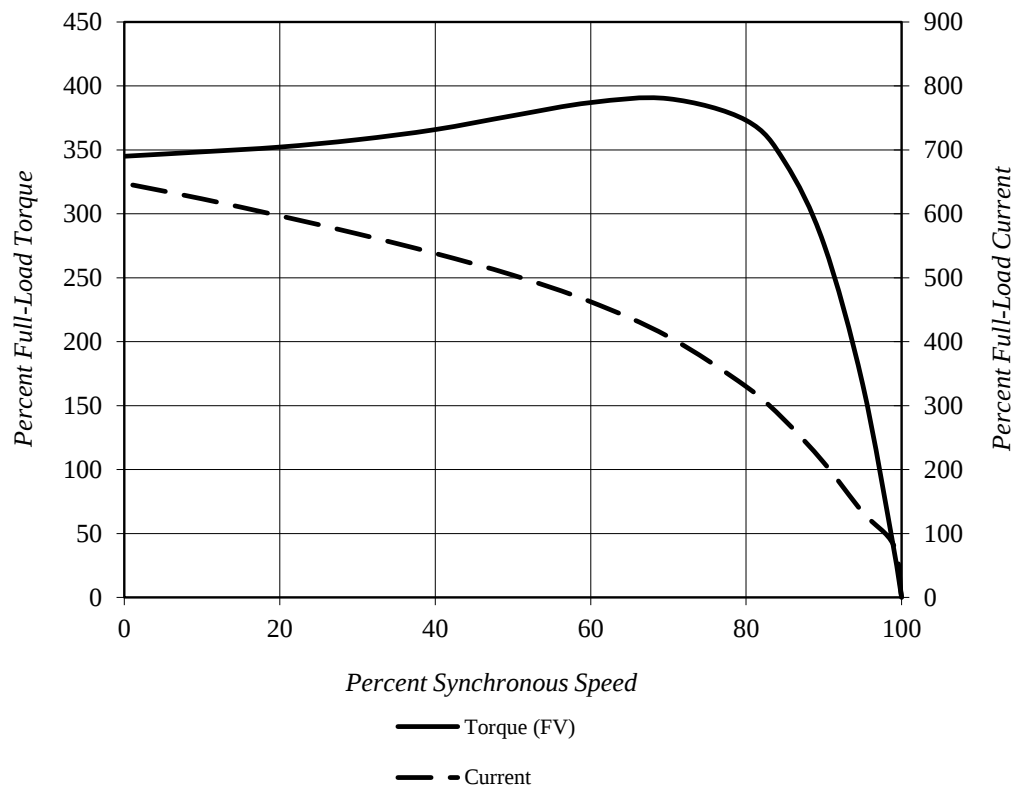
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	X756SDMV7JS-PL			FLAmps:	3.6/2.1
Enclosure:	TEFC	Voltage:	220/380 V	Frame:	90L
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	0.75	Rotor Inertia:	0.18 lb-ft ²	Date:	6/25/2020
FLRPM:	965	Load Inertia:	N/A	File:	H6X75 (0.75kW)

Locked Rotor Amps:	24/13.6 A	Load Type:	N/A
Locked Rotor Torque:	345%	Starting at:	N/A
Breakdown Torque:	390%	Accel. Time:	N/A
Rated Torque:	5.5 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: H6X75 (0.75kW)

Prepared by: Zichao Xie

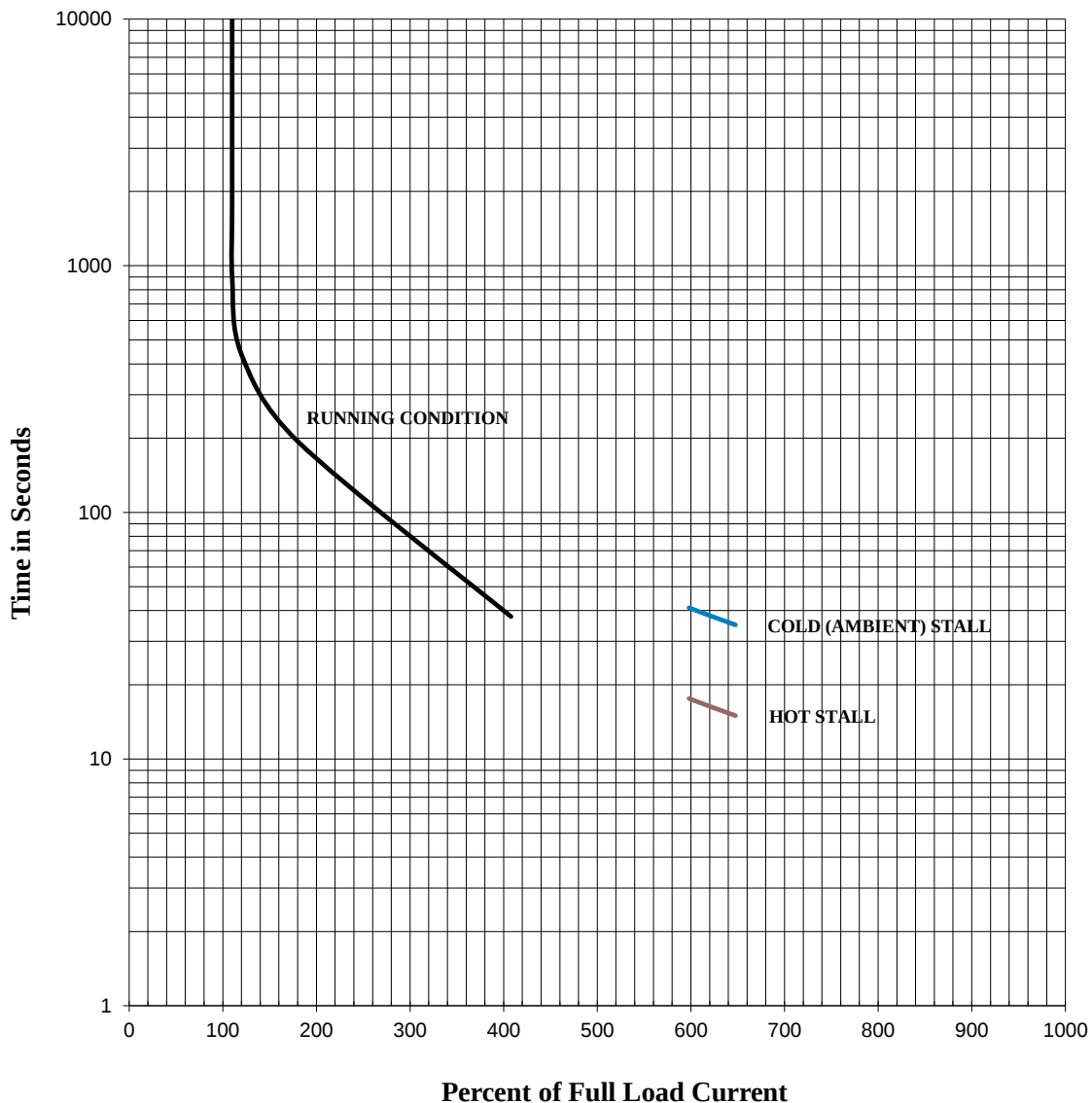
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	X756SDMV7JS-PL			FLAmps:	3.6/2.1
Enclosure:	TEFC	Voltage:	220/380 V	Frame:	90L
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	0.75	Rotor Inertia:	0.18 lb-ft ²	Date:	6/25/2020
FLRPM:	965	Load Inertia:	N/A	File:	H6X75 (0.75kW



Comments: PROJECT -

D.E.Curve #: H6X75 (0.75kW

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.: 1	VOLTS: 460	3 PH / 60 Hz	S. RPM: 1200
FRAME: 90L	ENCL: TEFC	FLAMPS: 2.0	FLRPM: 1175
FORM: FBKL1	S.F.: 1.15	NEMA DESIGN: B	INSUL CLASS: F
TYPE: IKH	AMB.: 40°C	CODE: N	DUTY: Cont.
MODEL No.: X756SDMV7JS-PL		kW: 0.75	
NOM. EFF.: 82.5	MIN. EFF.: -	P.F.: 57.0	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 14.7	FULL LOAD (lb-ft.): 4.5	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 315	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 465	

EFFICIENCY	POWER FACTOR
FULL LOAD: 84.5	FULL LOAD: 57.0
3/4 LOAD: 83.1	3/4 LOAD: 49.8
1/2 LOAD: 78.7	1/2 LOAD: 39.2

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).
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CERTIFIED BY: Zichao Xie

DATE: 6/25/2020

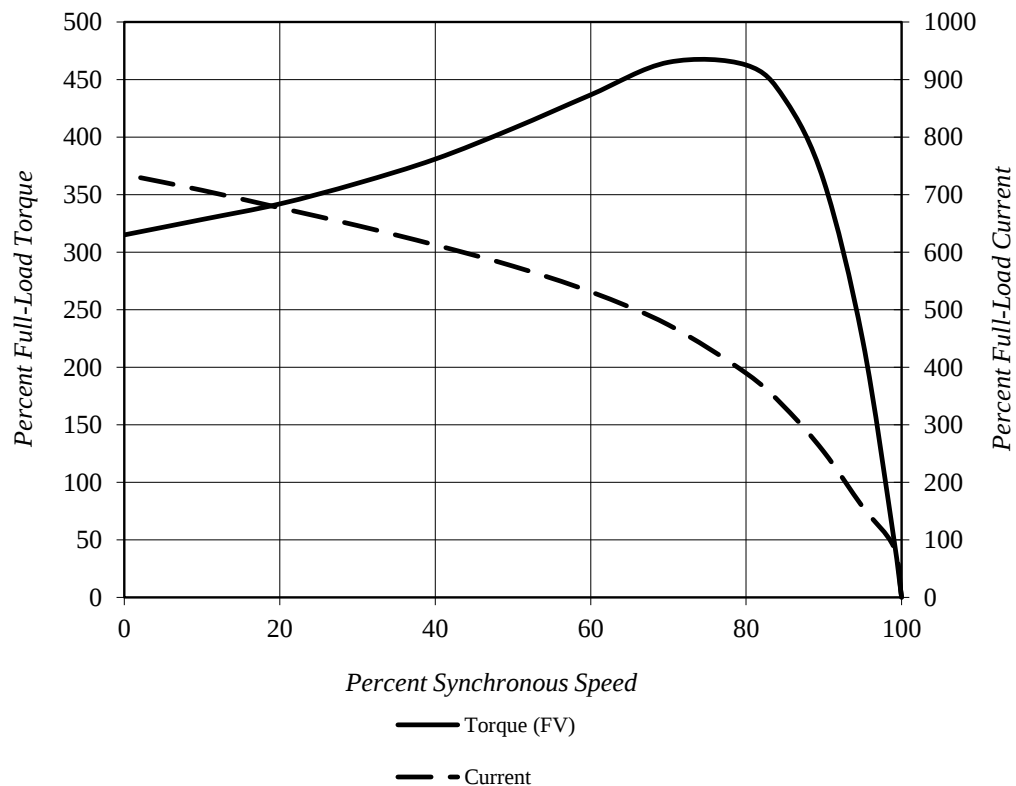
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	X756SDMV7JS-PL			FLAmps:	2.0
Enclosure:	TEFC	Voltage:	460 V	Frame:	90L
Pole:	6	Frequency:	3 PH / 60 Hz	Ins. Class:	F
HP:	1	Rotor Inertia:	0.18 lb-ft ²	Date:	6/25/2020
FLRPM:	1175	Load Inertia:	N/A	File:	H6X75 (0.75kW)

Locked Rotor Amps:	14.7 A	Load Type:	N/A
Locked Rotor Torque:	315%	Starting at:	N/A
Breakdown Torque:	465%	Accel. Time:	N/A
Rated Torque:	4.5 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: H6X75 (0.75kW)

Prepared by: Zichao Xie

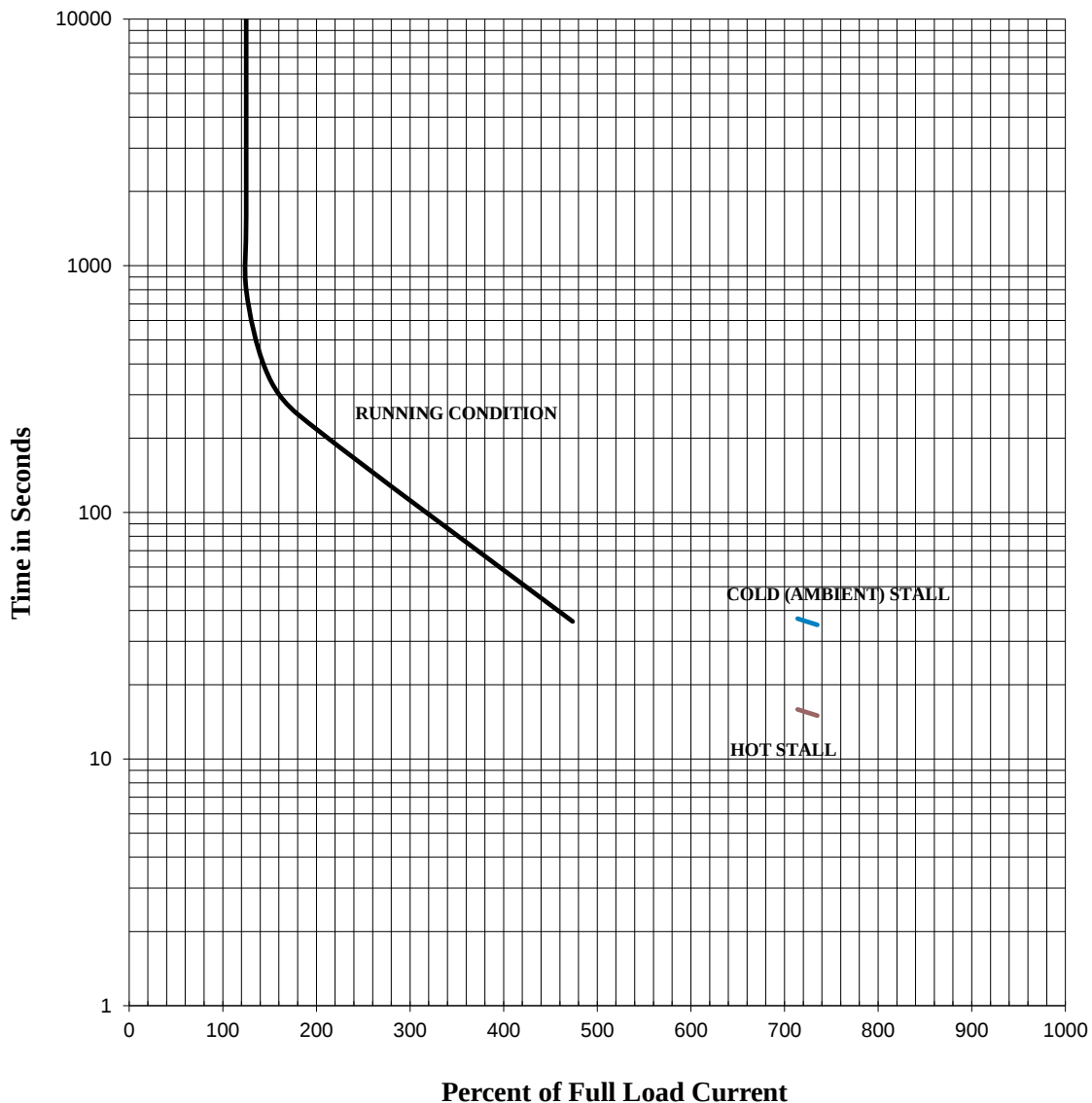
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	X756SDMV7JS-PL			FLAmps:	2.0
Enclosure:	TEFC	Voltage:	460 V	Frame:	90L
Pole:	6	Frequency:	3 PH / 60 Hz	Ins. Class:	F
HP:	1	Rotor Inertia:	0.18 lb-ft ²	Date:	6/25/2020
FLRPM:	1175	Load Inertia:	N/A	File:	H6X75 (0.75kW)



Comments: PROJECT -

D.E.Curve #: H6X75 (0.75kW)

Prepared by: Zichao Xie

Checked by: