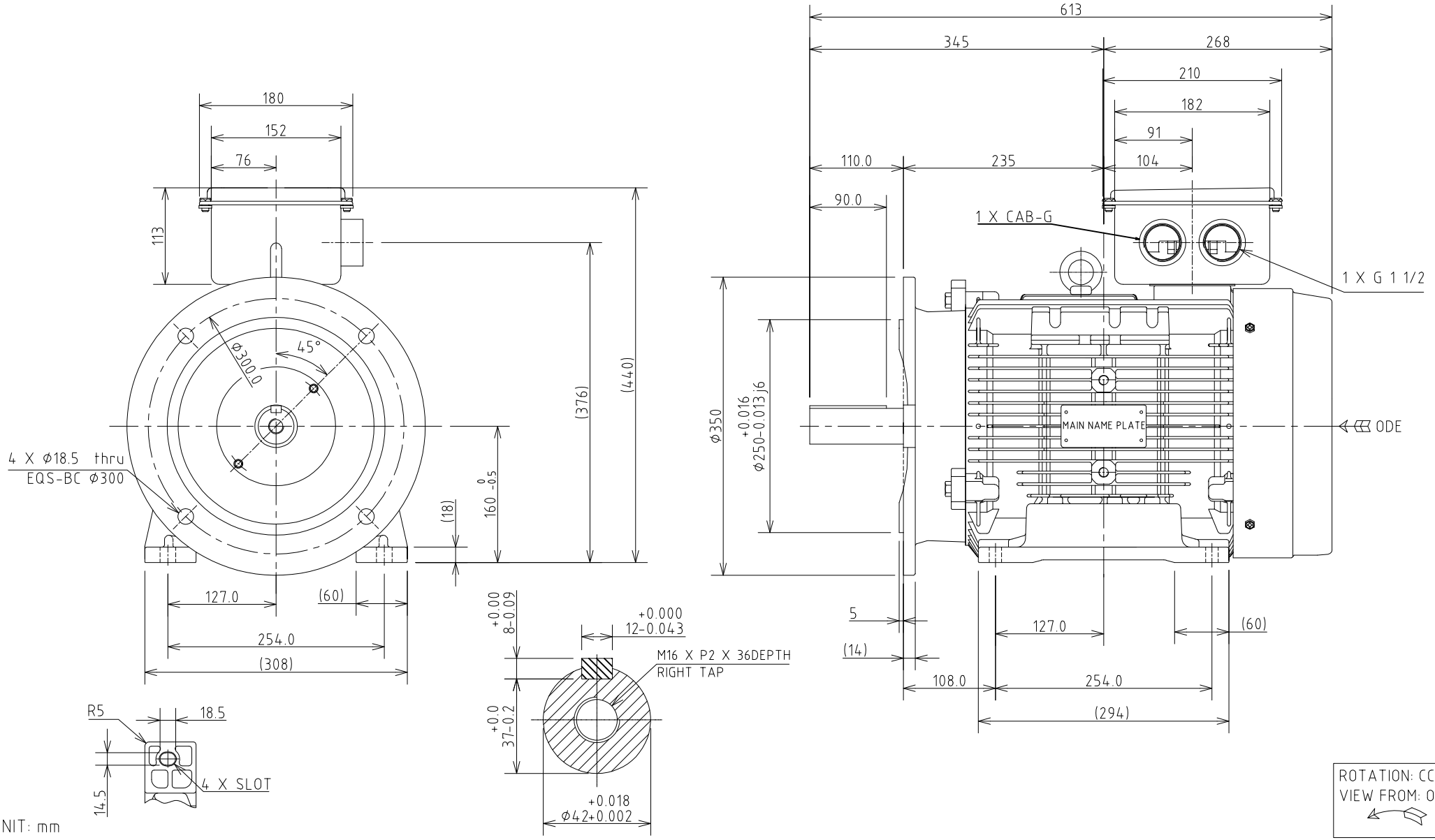

B35-FLANGE MOTOR
OL DRAWING IEC GLOBAL

TYPE: 2-4-6P - 400V
FRAME: 160L

3HFN000234

TOSHIBA
TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

X.	±2.0
X.X	±0.5
X.XX	±0.1

MAXIMUM MOTOR WEIGHT
- lbs.
- kgs.

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

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

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APPROVED BY	PAA

SQUIRREL CAGE INDUCTION MOTOR
PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	-	VOLTS:	400	3 PH /	50 Hz	S. RPM:	3000
FRAME:	160L	ENCL:	TEFC	FLAMPS:	33	FLRPM:	2940
FORM:	FCKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	TKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0182SDMW7GS-PL			kW:	18.5		
NOM. EFF.:	92.4	MIN. EFF.:	-	cosØ	0.87		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	273	FULL LOAD (lb-ft.):	44	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	305	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	410		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	92.5	FULL LOAD:	87.0
3/4 LOAD:	92.1	3/4 LOAD:	83.1
1/2 LOAD:	90.3	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: 1/8/2020

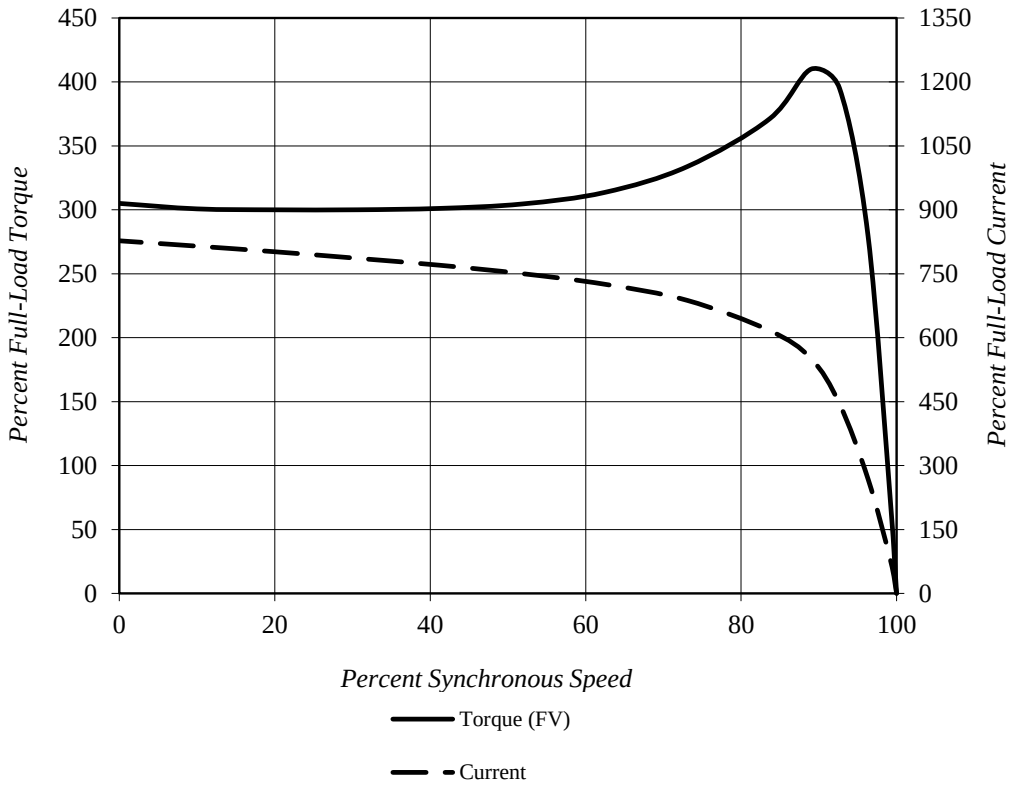
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0182SDMW7GS-PL			***FLAmps:***	33
Enclosure:	TEFC	***Voltage:***	400 V	***Frame:***	160L
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	1.8 lb-ft²	***Date:***	1/8/2020
FLRPM:	2940	***Load Inertia:***	N/A	***File:***	GH2018 (18.5kW

Locked Rotor Amps:	273 A	***Load Type:***	N/A
Locked Rotor Torque:	305%	***Starting at:***	N/A
Breakdown Torque:	410%	***Accel. Time:***	N/A
Rated Torque:	44 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH2018 (18.5kW

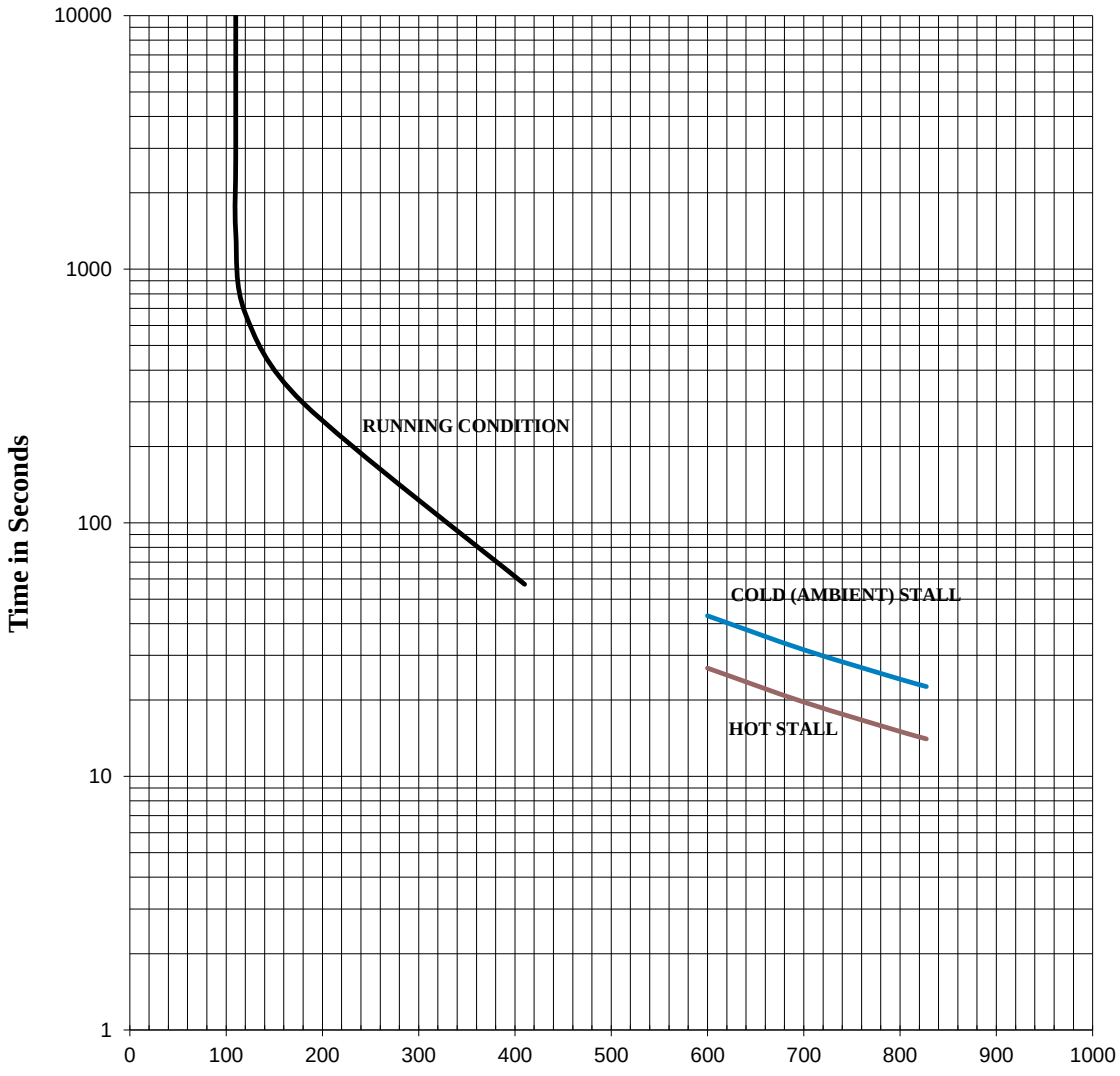
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0182SDMW7GS-PL			***FLAmps:***	33
Enclosure:	TEFC	***Voltage:***	400 V	***Frame:***	160L
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	1.8 lb-ft²	***Date:***	1/8/2020
FLRPM:	2940	***Load Inertia:***	N/A	***File:***	GH2018 (18.5kW



Comments: PROJECT -

D.E.Curve #: GH2018 (18.5kW

Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION
Industrial Division / Houston Motor Plant

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SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	-	VOLTS:	415	3 PH /	50 Hz	S. RPM:	3000
FRAME:	160L	ENCL:	TEFC	FLAMPS:	33	FLRPM:	2940
FORM:	FCKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	TKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0182SDMW7GS-PL			kW:	18.5		
NOM. EFF.:	92.4	MIN. EFF.:	-	cosØ	0.84		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	285	FULL LOAD (lb-ft.):	44	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	330	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	430		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	92.5	FULL LOAD:	84.6
3/4 LOAD:	91.9	3/4 LOAD:	79.7
1/2 LOAD:	90.0	1/2 LOAD:	69.4

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: 1/8/2020

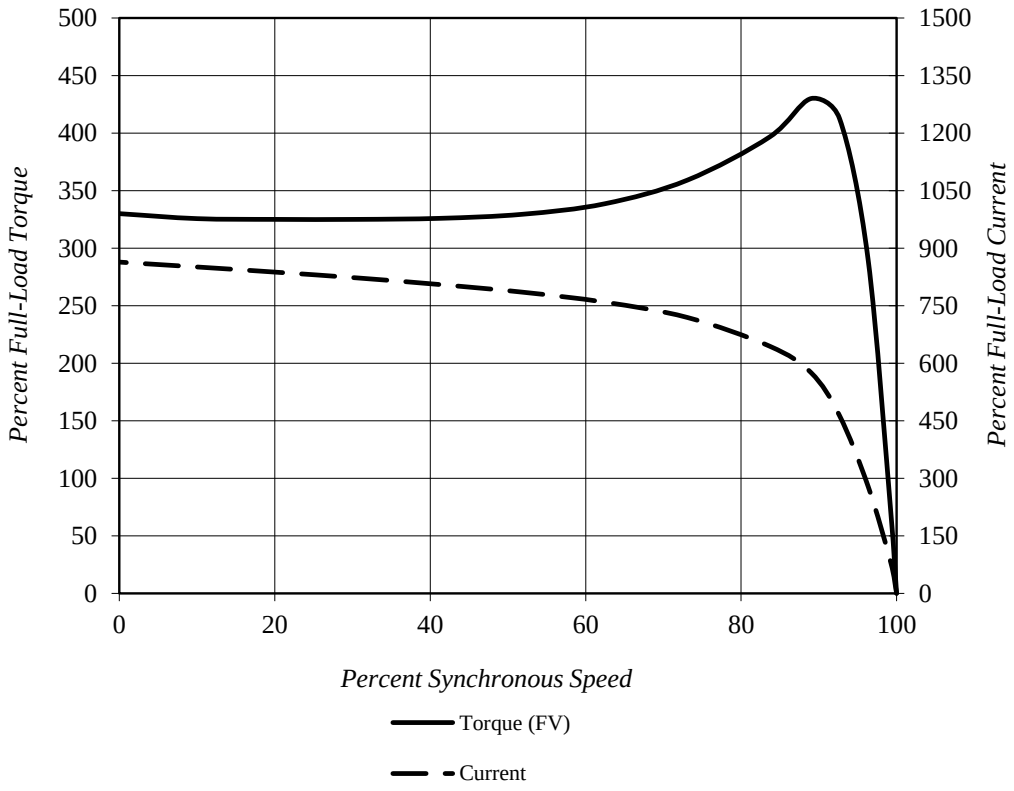
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0182SDMW7GS-PL			***FLAmps:***	33
Enclosure:	TEFC	***Voltage:***	415 V	***Frame:***	160L
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	1.8 lb-ft²	***Date:***	1/8/2020
FLRPM:	2940	***Load Inertia:***	N/A	***File:***	GH2018 (18.5kW

Locked Rotor Amps:	285 A	***Load Type:***	N/A
Locked Rotor Torque:	330%	***Starting at:***	N/A
Breakdown Torque:	430%	***Accel. Time:***	N/A
Rated Torque:	44 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH2018 (18.5kW

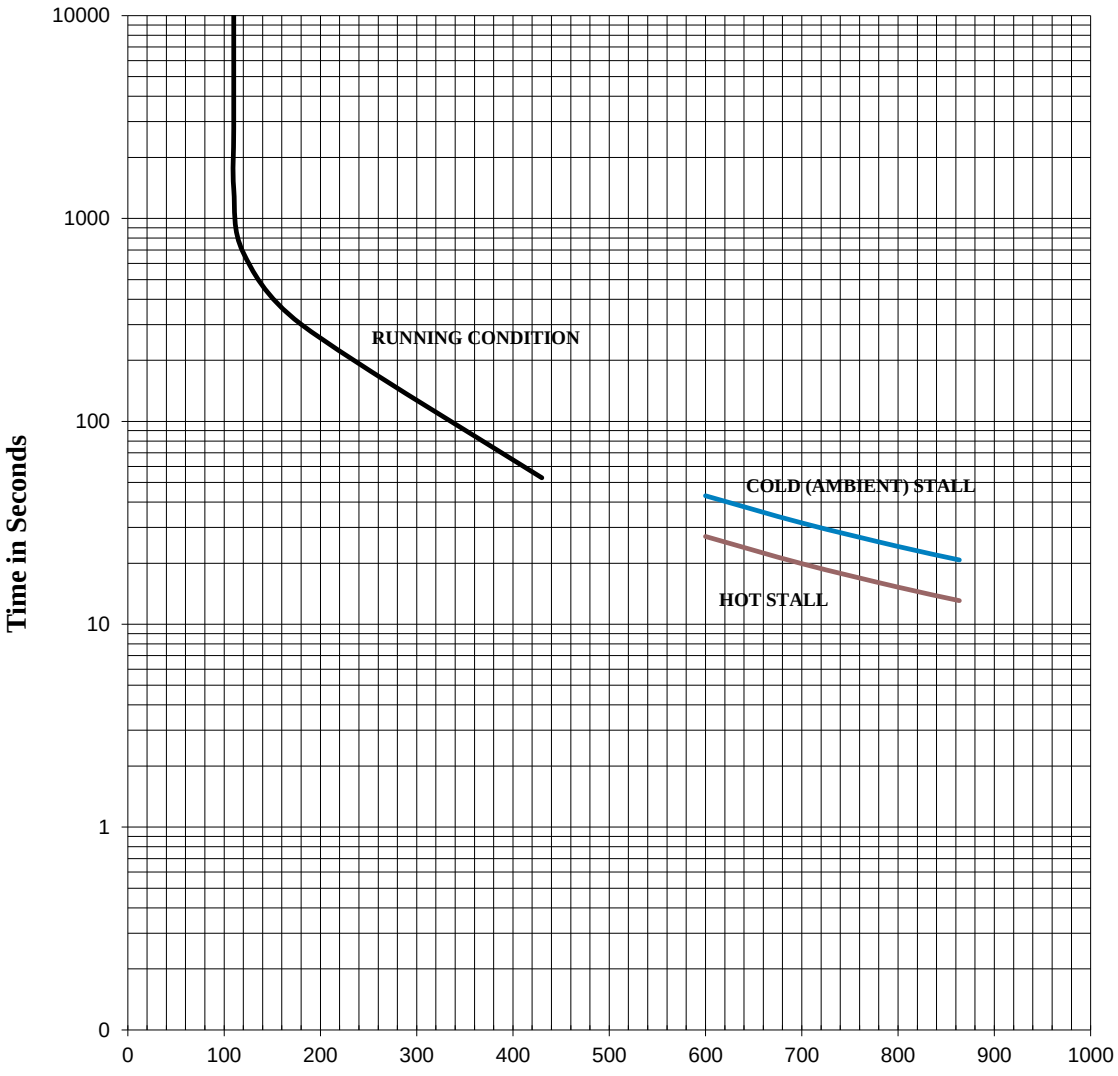
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0182SDMW7GS-PL			***FLAmps:***	33
Enclosure:	TEFC	***Voltage:***	415 V	***Frame:***	160L
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	1.8 lb-ft²	***Date:***	1/8/2020
FLRPM:	2940	***Load Inertia:***	N/A	***File:***	GH2018 (18.5kW



Comments: PROJECT -

D.E.Curve #: GH2018 (18.5kW

	Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION
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SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	-	VOLTS:	380	3 PH /	50 Hz	S. RPM:	3000
FRAME:	160L	ENCL:	TEFC	FLAMPS:	34	FLRPM:	2930
FORM:	FCKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	TKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0182SDMW7GS-PL			kW:	18.5		
NOM. EFF.:	92.4	MIN. EFF.:	-	cosØ	0.88		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	258	FULL LOAD (lb-ft.):	44	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	270	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	370		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	91.8	FULL LOAD:	88.9
3/4 LOAD:	91.5	3/4 LOAD:	86.3
1/2 LOAD:	89.9	1/2 LOAD:	79.4

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: 1/8/2020

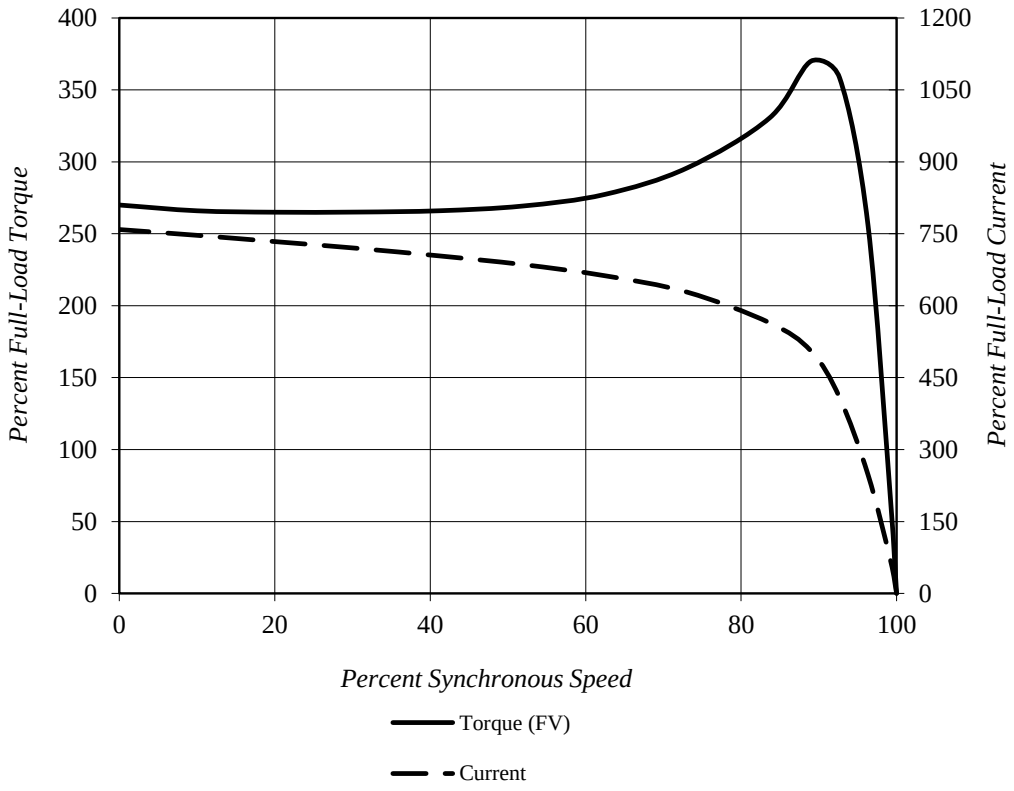
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0182SDMW7GS-PL			***FLAmps:***	34
Enclosure:	TEFC	***Voltage:***	380 V	***Frame:***	160L
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	1.8 lb-ft²	***Date:***	1/8/2020
FLRPM:	2930	***Load Inertia:***	N/A	***File:***	GH2018 (18.5kW

Locked Rotor Amps:	258 A	***Load Type:***	N/A
Locked Rotor Torque:	270%	***Starting at:***	N/A
Breakdown Torque:	370%	***Accel. Time:***	N/A
Rated Torque:	44 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH2018 (18.5kW

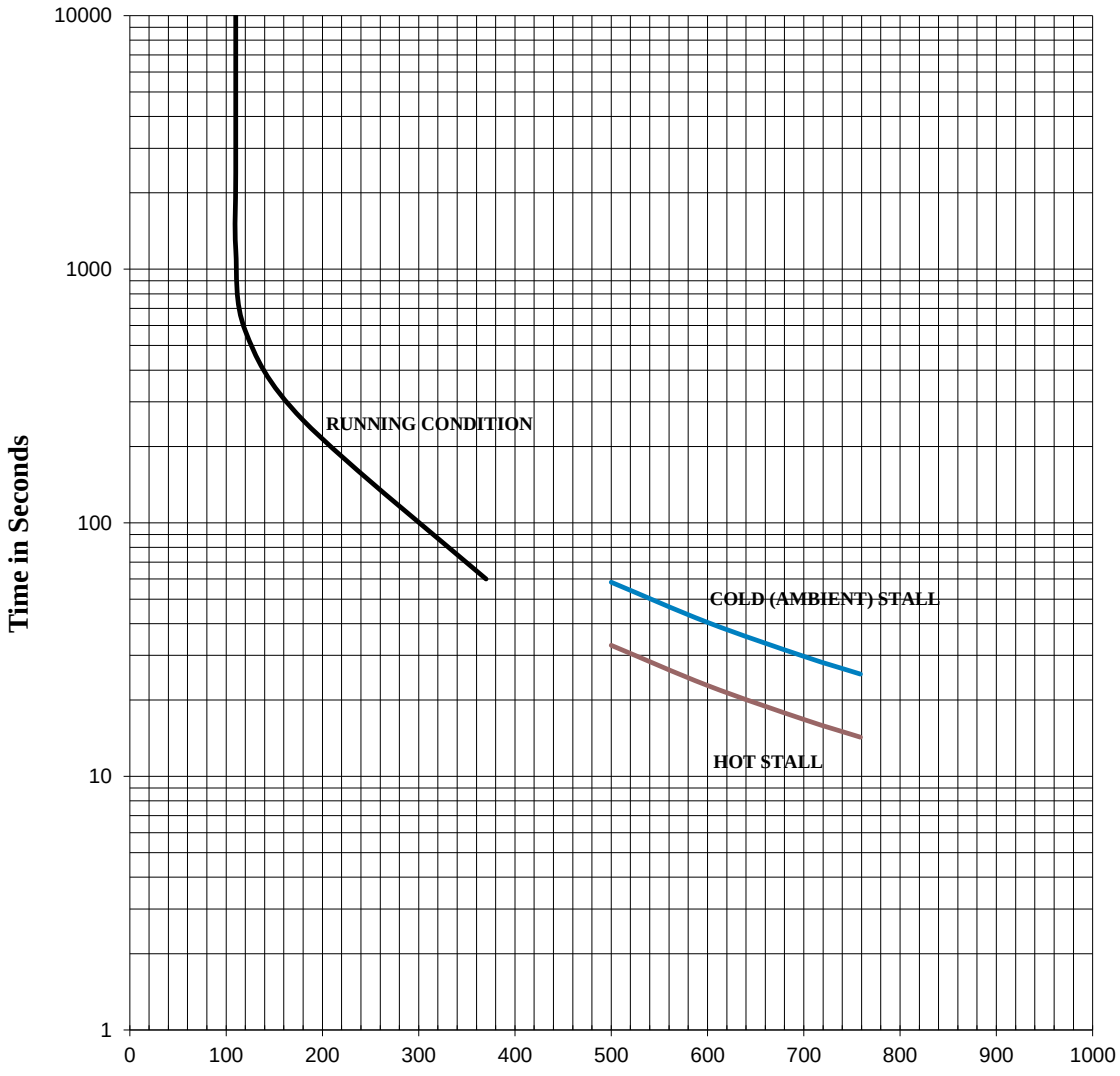
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0182SDMW7GS-PL			***FLAmps:***	34
Enclosure:	TEFC	***Voltage:***	380 V	***Frame:***	160L
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	1.8 lb-ft²	***Date:***	1/8/2020
FLRPM:	2930	***Load Inertia:***	N/A	***File:***	GH2018 (18.5kW



Comments: PROJECT -

D.E.Curve #: GH2018 (18.5kW

Prepared by: Zichao Xie	***Checked by:***

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SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	25	VOLTS:	460	3 PH /	60 Hz	S. RPM:	3600
FRAME:	160L	ENCL:	TEFC	FLAMPS:	29	FLRPM:	3555
FORM:	FCKL1	S.F.:	1.15	NEMA DESIGN:	A	INSUL CLASS:	F
TYPE:	TKKH	AMB.:	40°C	CODE:	K	DUTY:	Cont.
MODEL No.:	0182SDMW7GS-PL			kW:	18.5		
NOM. EFF.:	91.7	MIN. EFF.:	-	P.F.:	85.0		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	269	FULL LOAD (lb-ft.):	37	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	335	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	435		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	92.6	FULL LOAD:	85.0
3/4 LOAD:	91.8	3/4 LOAD:	81.1
1/2 LOAD:	89.6	1/2 LOAD:	72.2

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: 1/8/2020

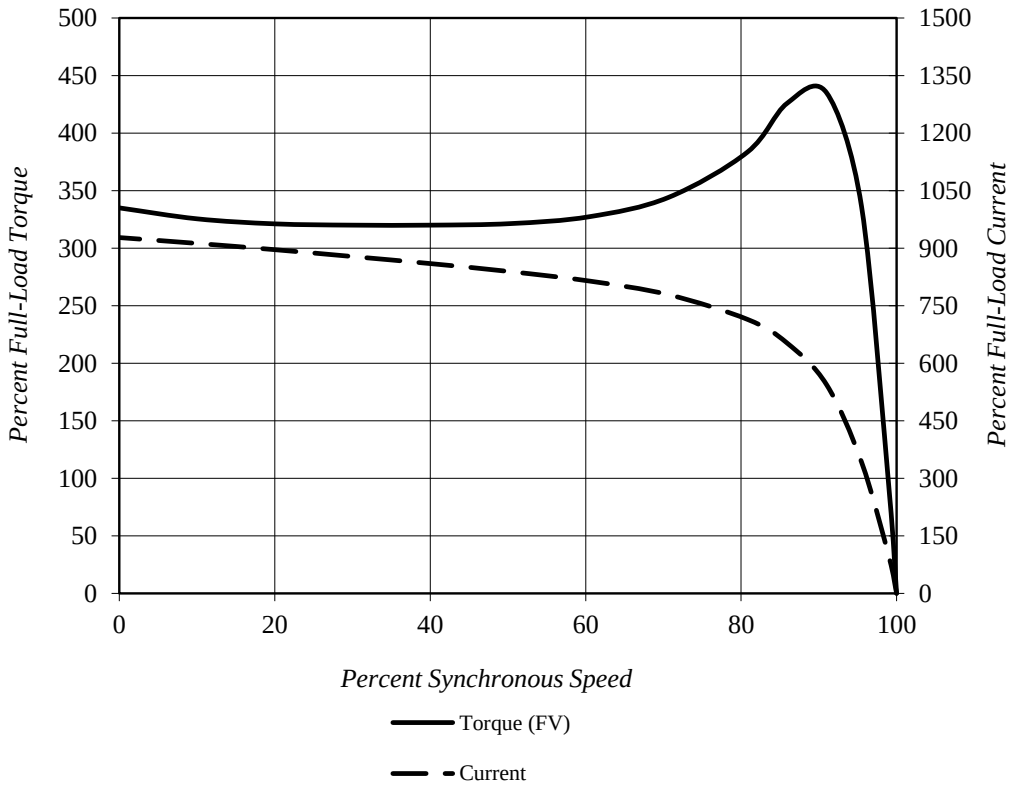
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0182SDMW7GS-PL			***FLAmps:***	29
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	160L
Pole:	2	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	25	***Rotor Inertia:***	1.8 lb-ft²	***Date:***	1/8/2020
FLRPM:	3555	***Load Inertia:***	N/A	***File:***	GH2018 (18.5kW

Locked Rotor Amps:	269 A	***Load Type:***	N/A
Locked Rotor Torque:	335%	***Starting at:***	N/A
Breakdown Torque:	435%	***Accel. Time:***	N/A
Rated Torque:	37 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH2018 (18.5kW

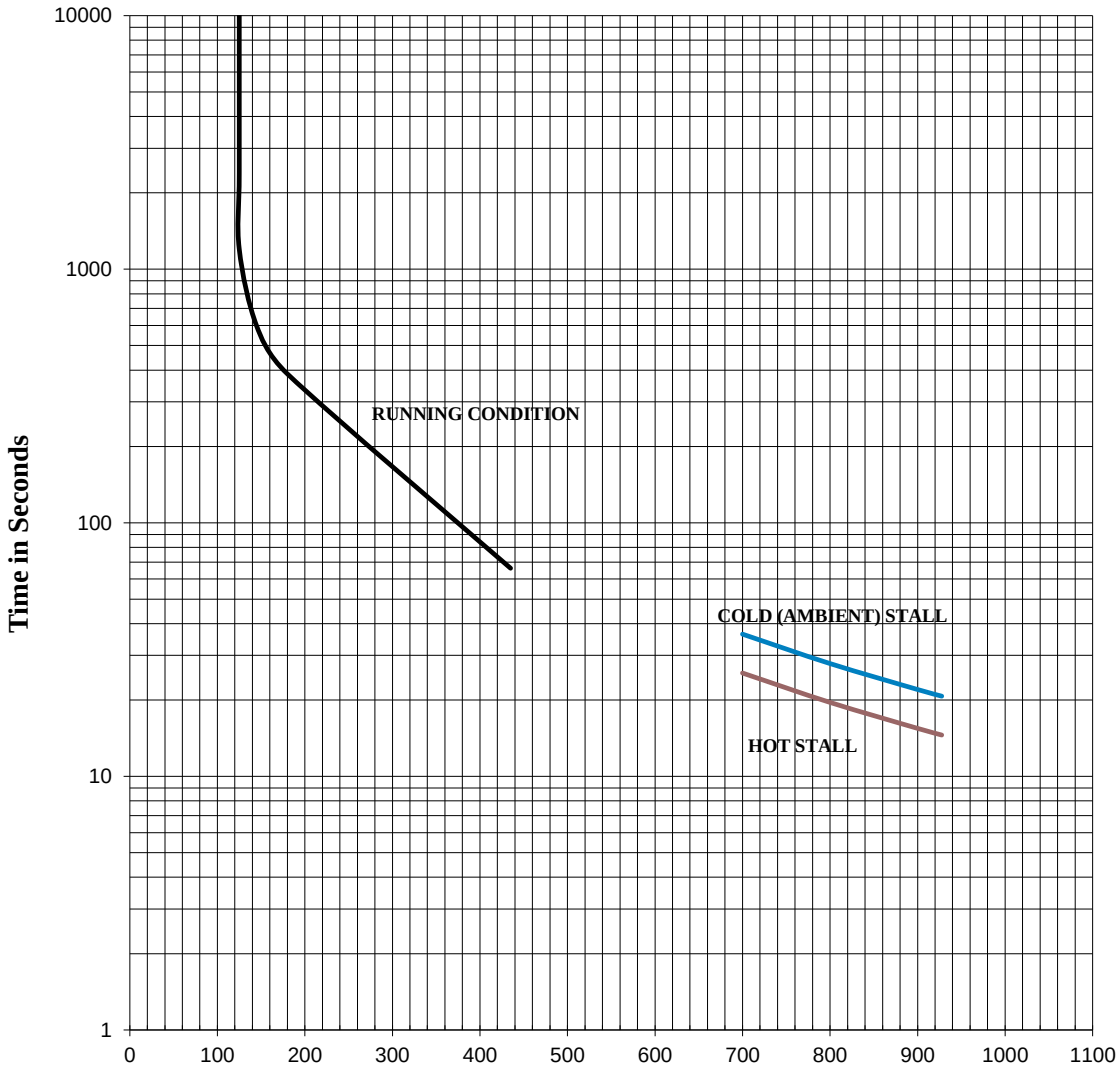
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0182SDMW7GS-PL			***FLAmps:***	29
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	160L
Pole:	2	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	25	***Rotor Inertia:***	1.8 lb-ft²	***Date:***	1/8/2020
FLRPM:	3555	***Load Inertia:***	N/A	***File:***	GH2018 (18.5kW



Comments: PROJECT -

D.E.Curve #: GH2018 (18.5kW

	Prepared by: Zichao Xie	***Checked by:***