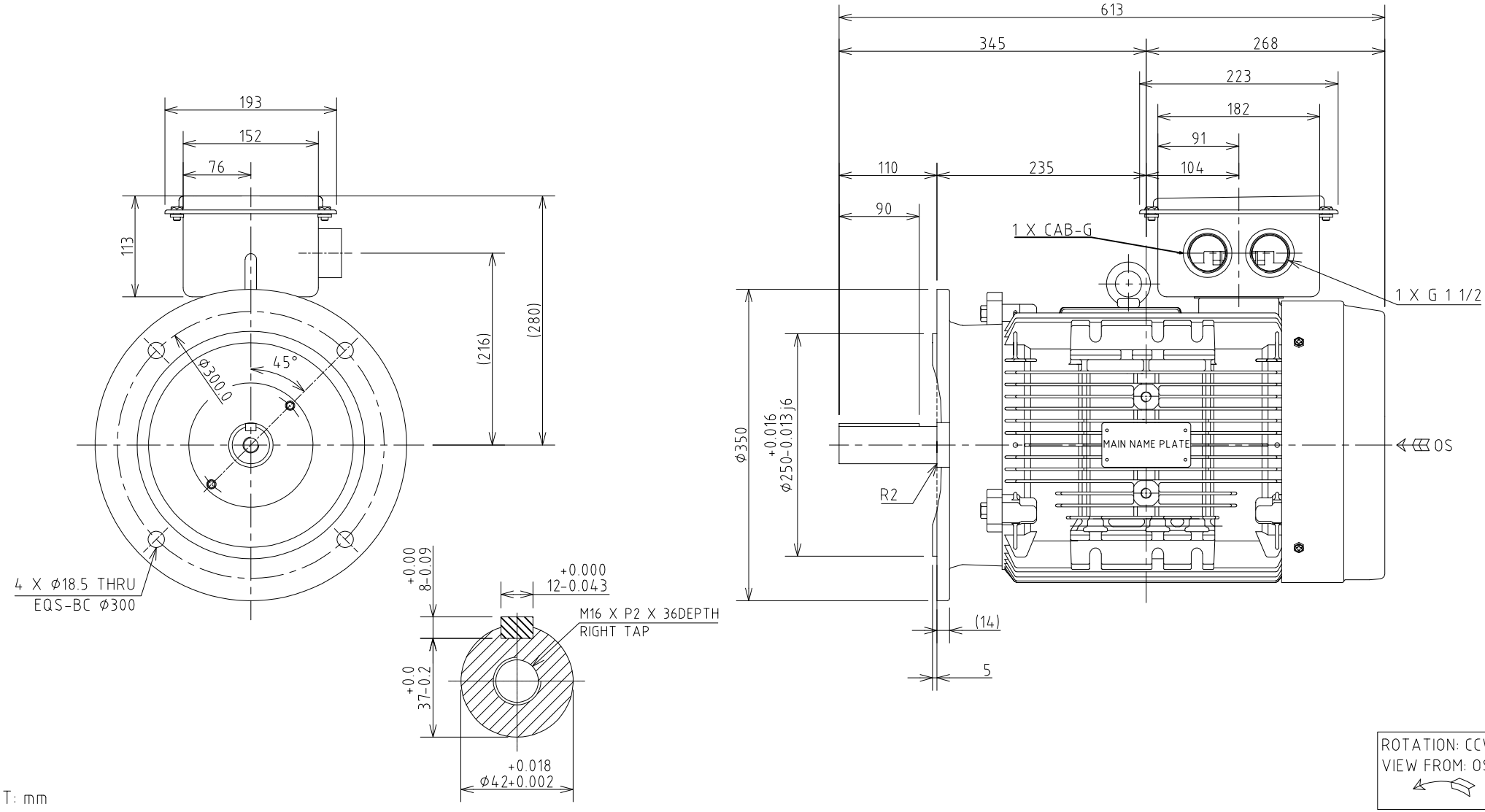

UNIT: mm

ROTATION: CCW
VIEW FROM: OS

B5-FLANGE MOTOR
OL DRAWING IEC GLOBAL

TYPE: 2-4-6P - 400V

FRAME: 160L

3HFN000245

TOLERANCES

X.	±2.0
X.X	±0.5
X.XX	±0.1

MAXIMUM MOTOR WEIGHT

- lbs.
- kgs.

NO	REVISION	DRAWN BY	DATE	CHECK

EQP Global SD
XT SERIES

DRAWN BY: HIEN. NGUYEN
CHECK BY: B.X.QUYNH
APPROVED BY: JAY BUGBEE

TOSHIBA
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TOSHIBA INTERNATIONAL CORPORATION Industrial Division / Houston Motor Plant	INDEX	MPCF-1033
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	SUPERSEDES	11/8/96
	REVISION	2
SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS	WRITTEN BY	MDC
	APPROVED BY	PAA

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	-	VOLTS:	400	3 PH /	50 Hz	S. RPM:	1000
FRAME:	160L	ENCL:	TEFC	FLAMPS:	22	FLRPM:	970
FORM:	FBKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0116SDMW7JS-PL			kW:	11		
NOM. EFF.:	90.3	MIN. EFF.:	-	cosØ	0.78		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	158	FULL LOAD (lb-ft.):	80	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	295	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	300		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	90.8	FULL LOAD:	78.2
3/4 LOAD:	90.9	3/4 LOAD:	73.9
1/2 LOAD:	89.6	1/2 LOAD:	64.2

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: 9/10/2020

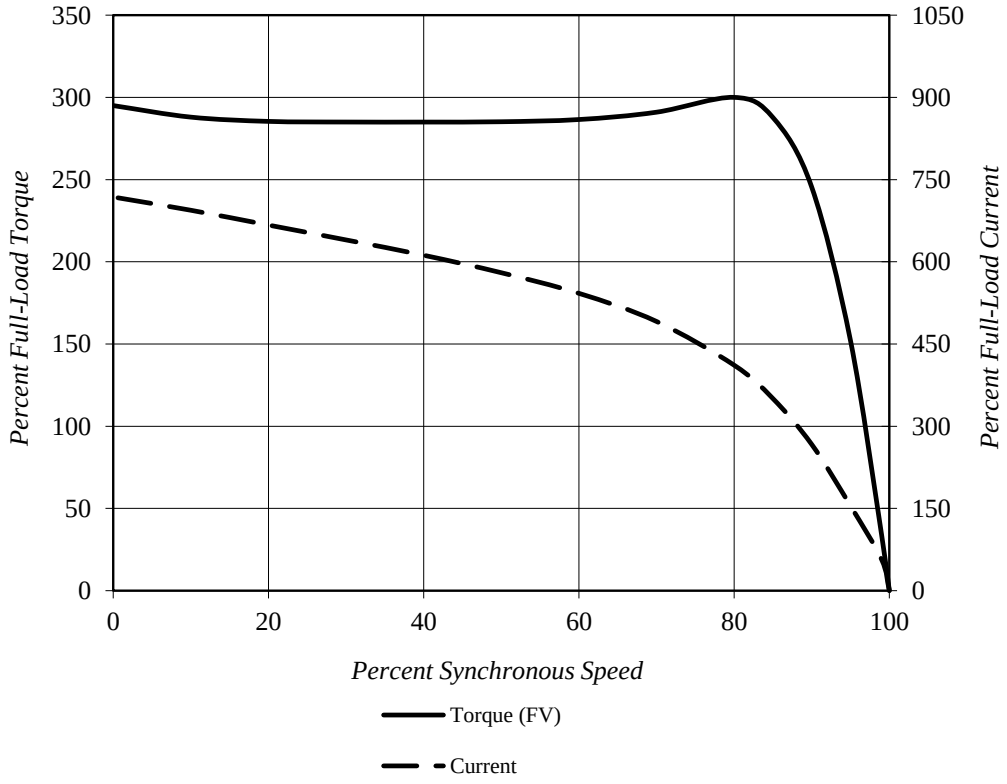
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0116SDMW7JS-PL			***FLAmps:***	22
Enclosure:	TEFC	***Voltage:***	400 V	***Frame:***	160L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	11	***Rotor Inertia:***	3.9 lb-ft²	***Date:***	9/10/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6011 (11kW)

Locked Rotor Amps:	158 A	***Load Type:***	N/A
Locked Rotor Torque:	295%	***Starting at:***	N/A
Breakdown Torque:	300%	***Accel. Time:***	N/A
Rated Torque:	80 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6011 (11kW)

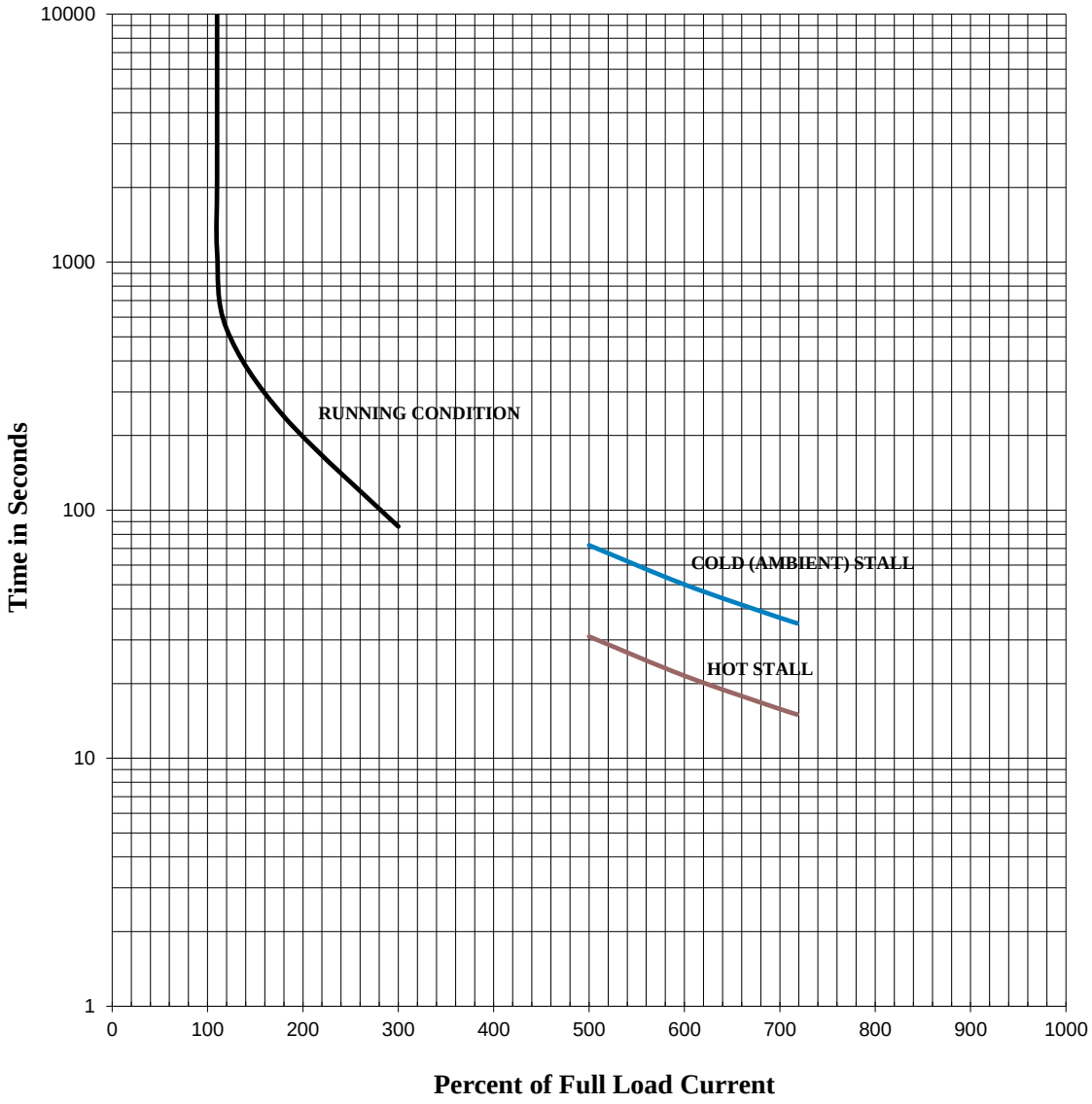
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0116SDMW7JS-PL			***FLAmps:***	22
Enclosure:	TEFC	***Voltage:***	400 V	***Frame:***	160L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	11	***Rotor Inertia:***	3.9 lb-ft²	***Date:***	9/10/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6011 (11kW)



Comments: PROJECT -

D.E.Curve #: GH6011 (11kW)

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

TOSHIBA INTERNATIONAL CORPORATION
Industrial Division / Houston Motor Plant

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WRITTEN BY	MDC
APPROVED BY	PAA

SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	-	VOLTS:	415	3 PH /	50 Hz	S. RPM:	1000
FRAME:	160L	ENCL:	TEFC	FLAMPS:	22	FLRPM:	970
FORM:	FBKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0116SDMW7JS-PL			kW:	11		
NOM. EFF.:	90.3	MIN. EFF.:	-	cosØ	0.77		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	164	FULL LOAD (lb-ft.):	79	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	325	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	320		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	91.4	FULL LOAD:	77.5
3/4 LOAD:	91.3	3/4 LOAD:	72.1
1/2 LOAD:	89.6	1/2 LOAD:	61.2

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: 9/10/2020

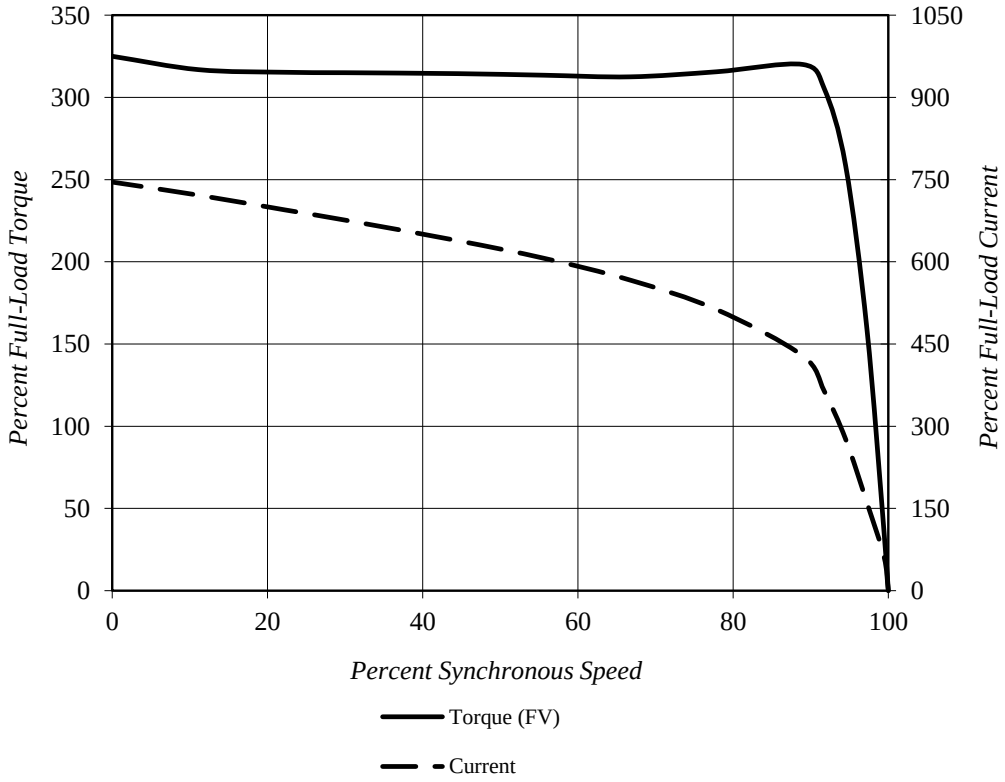
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0116SDMW7JS-PL			***FLAmps:***	22
Enclosure:	TEFC	***Voltage:***	415 V	***Frame:***	160L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	11	***Rotor Inertia:***	3.9 lb-ft²	***Date:***	9/10/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6011 (11kW)

Locked Rotor Amps:	164 A	***Load Type:***	N/A
Locked Rotor Torque:	325%	***Starting at:***	N/A
Breakdown Torque:	320%	***Accel. Time:***	N/A
Rated Torque:	79 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6011 (11kW)

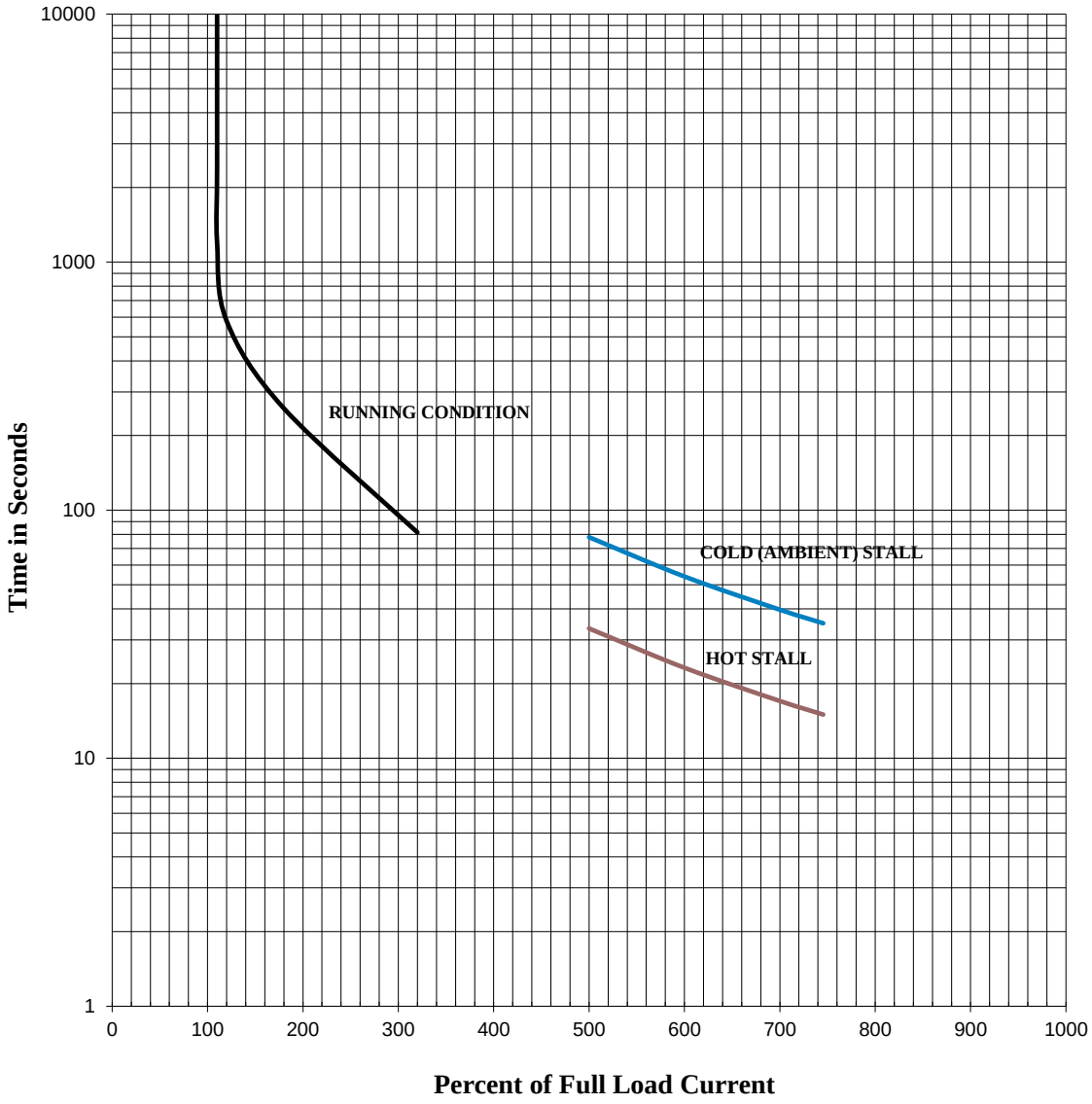
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0116SDMW7JS-PL			***FLAmps:***	22
Enclosure:	TEFC	***Voltage:***	415 V	***Frame:***	160L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	11	***Rotor Inertia:***	3.9 lb-ft²	***Date:***	9/10/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6011 (11kW)



Comments: PROJECT -

D.E.Curve #: GH6011 (11kW)

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

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SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS	WRITTEN BY	MDC
	APPROVED BY	PAA

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	-	VOLTS:	380	3 PH /	50 Hz	S. RPM:	1000
FRAME:	160L	ENCL:	TEFC	FLAMPS:	23	FLRPM:	965
FORM:	FBKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0116SDMW7JS-PL			kW:	11		
NOM. EFF.:	90.3	MIN. EFF.:	-	cosØ	0.80		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	148	FULL LOAD (lb-ft.):	80	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	260	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	270		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	90.4	FULL LOAD:	80.6
3/4 LOAD:	90.8	3/4 LOAD:	77.1
1/2 LOAD:	89.9	1/2 LOAD:	68.6

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: 9/10/2020

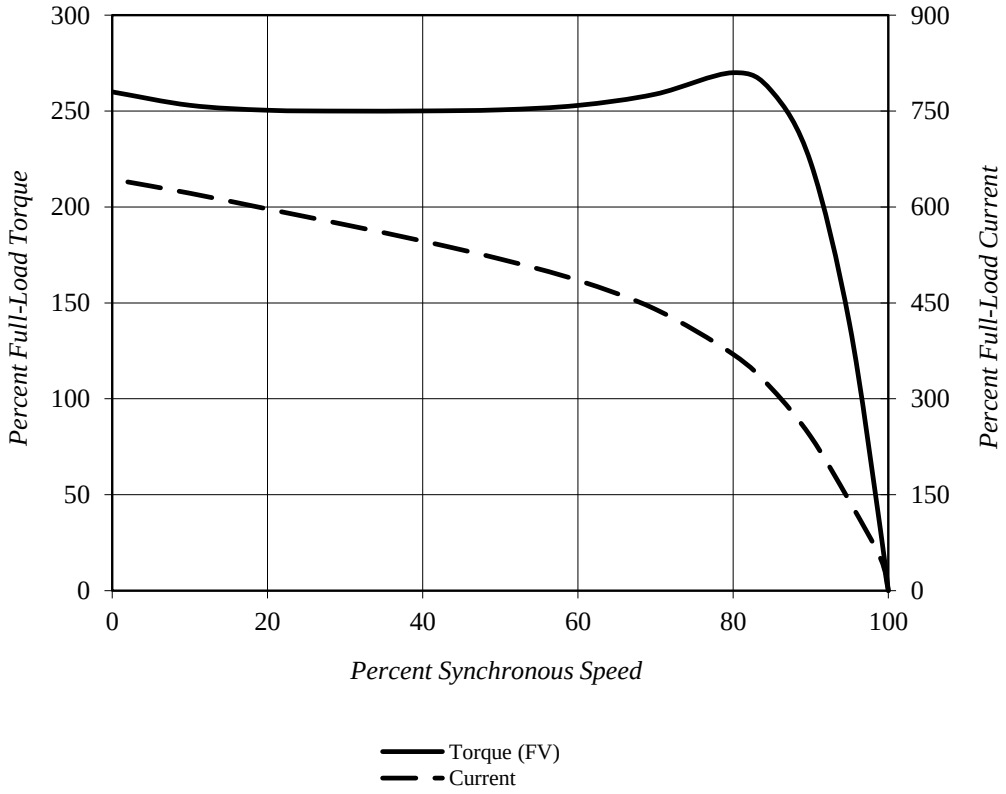
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0116SDMW7JS-PL			***FLAmps:***	23
Enclosure:	TEFC	***Voltage:***	380 V	***Frame:***	160L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	11	***Rotor Inertia:***	3.9 lb-ft²	***Date:***	9/10/2020
FLRPM:	965	***Load Inertia:***	N/A	***File:***	GH6011 (11kW)

Locked Rotor Amps:	148 A	***Load Type:***	N/A
Locked Rotor Torque:	260%	***Starting at:***	N/A
Breakdown Torque:	270%	***Accel. Time:***	N/A
Rated Torque:	80 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6011 (11kW)

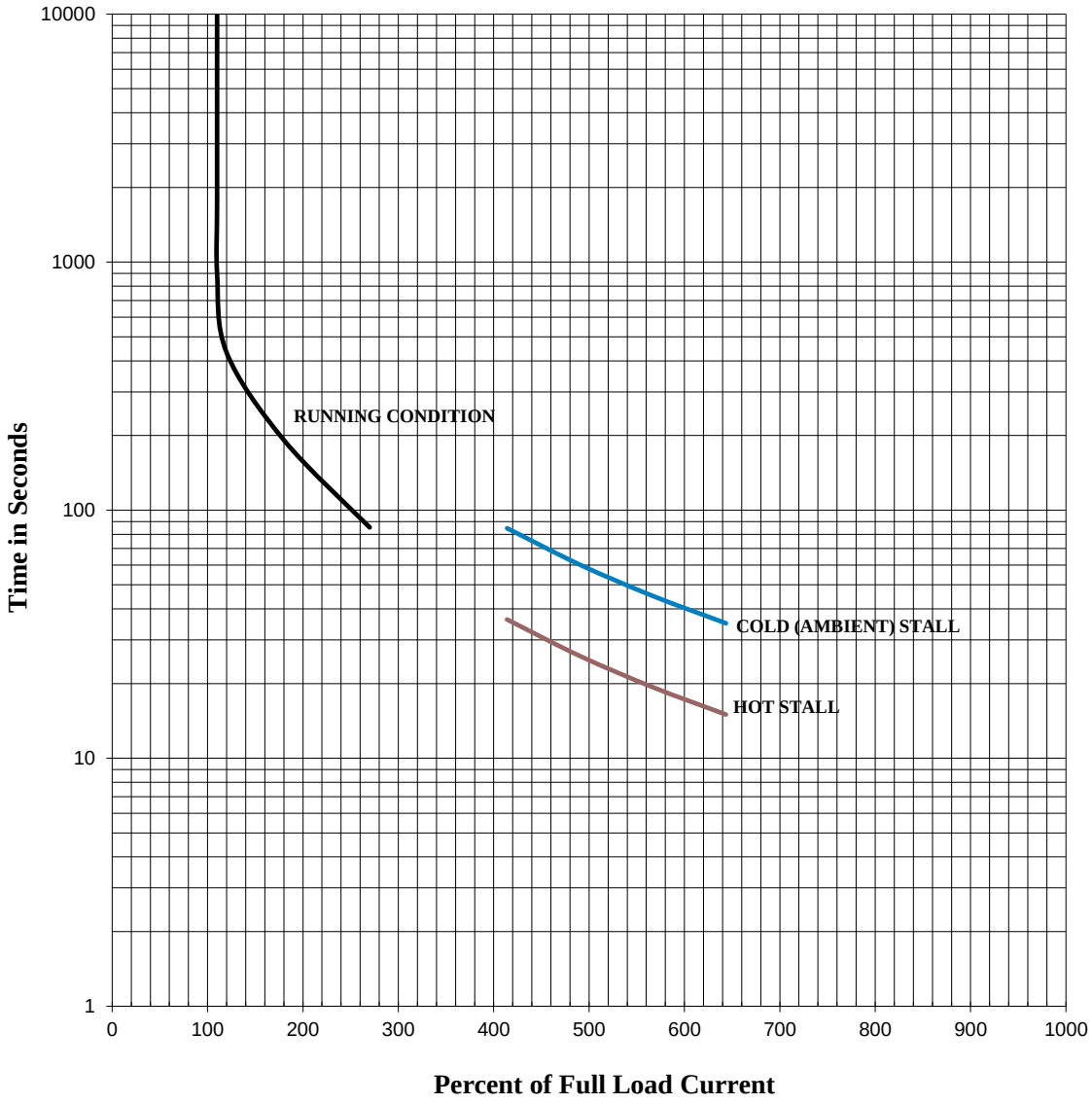
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0116SDMW7JS-PL			***FLAmps:***	23
Enclosure:	TEFC	***Voltage:***	380 V	***Frame:***	160L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	11	***Rotor Inertia:***	3.9 lb-ft²	***Date:***	9/10/2020
FLRPM:	965	***Load Inertia:***	N/A	***File:***	GH6011 (11kW)



Comments: PROJECT -

D.E.Curve #: GH6011 (11kW)

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

TOSHIBA INTERNATIONAL CORPORATION
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APPROVED BY	PAA

SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	15	VOLTS:	460	3 PH /	60 Hz	S. RPM:	1200
FRAME:	160L	ENCL:	TEFC	FLAMPS:	19.5	FLRPM:	1175
FORM:	FBKL1	S.F.:	1.15	NEMA DESIGN:	A	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	K	DUTY:	Cont.
MODEL No.:	0116SDMW7JS-PL			kW:	11		
NOM. EFF.:	91.7	MIN. EFF.:	-	P.F.:	76.5		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	159	FULL LOAD (lb-ft.):	66	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	340	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	315		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	92.1	FULL LOAD:	76.9
3/4 LOAD:	91.6	3/4 LOAD:	71.9
1/2 LOAD:	89.7	1/2 LOAD:	61.6

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%.

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** BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).

CERTIFIED BY: Zichao Xie

DATE: 9/10/2020

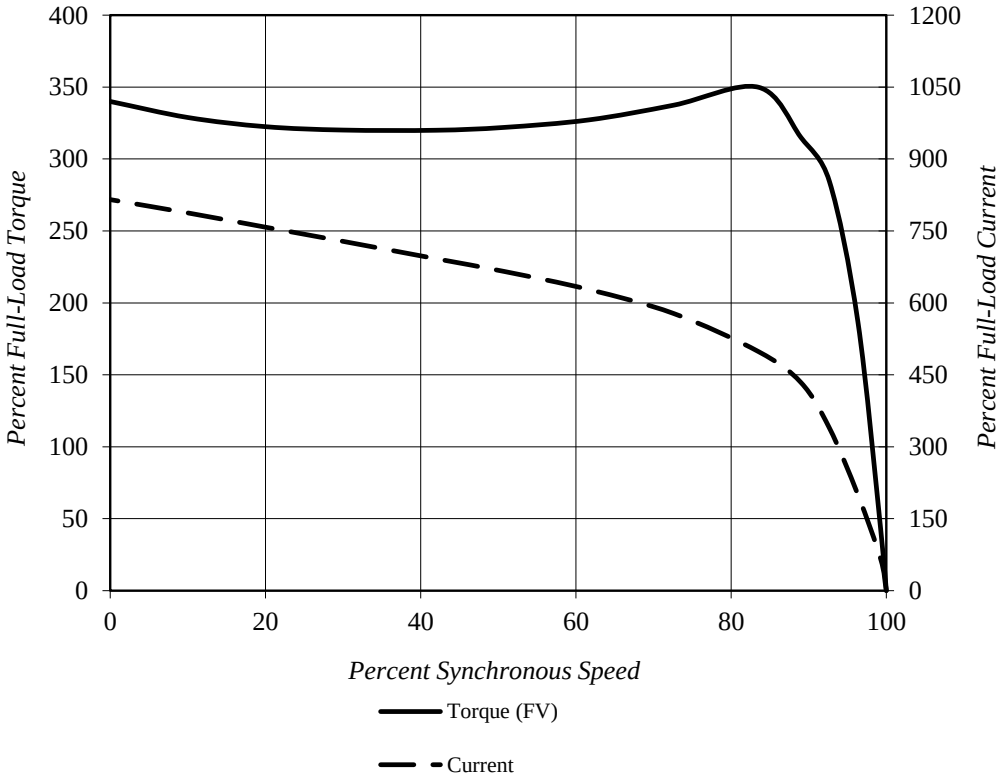
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0116SDMW7JS-PL			***FLAmps:***	19.5
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	160L
Pole:	6	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	15	***Rotor Inertia:***	3.9 lb-ft²	***Date:***	9/10/2020
FLRPM:	1175	***Load Inertia:***	N/A	***File:***	GH6011 (11kW)

Locked Rotor Amps:	159 A	***Load Type:***	N/A
Locked Rotor Torque:	340%	***Starting at:***	N/A
Breakdown Torque:	315%	***Accel. Time:***	N/A
Rated Torque:	66 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6011 (11kW)

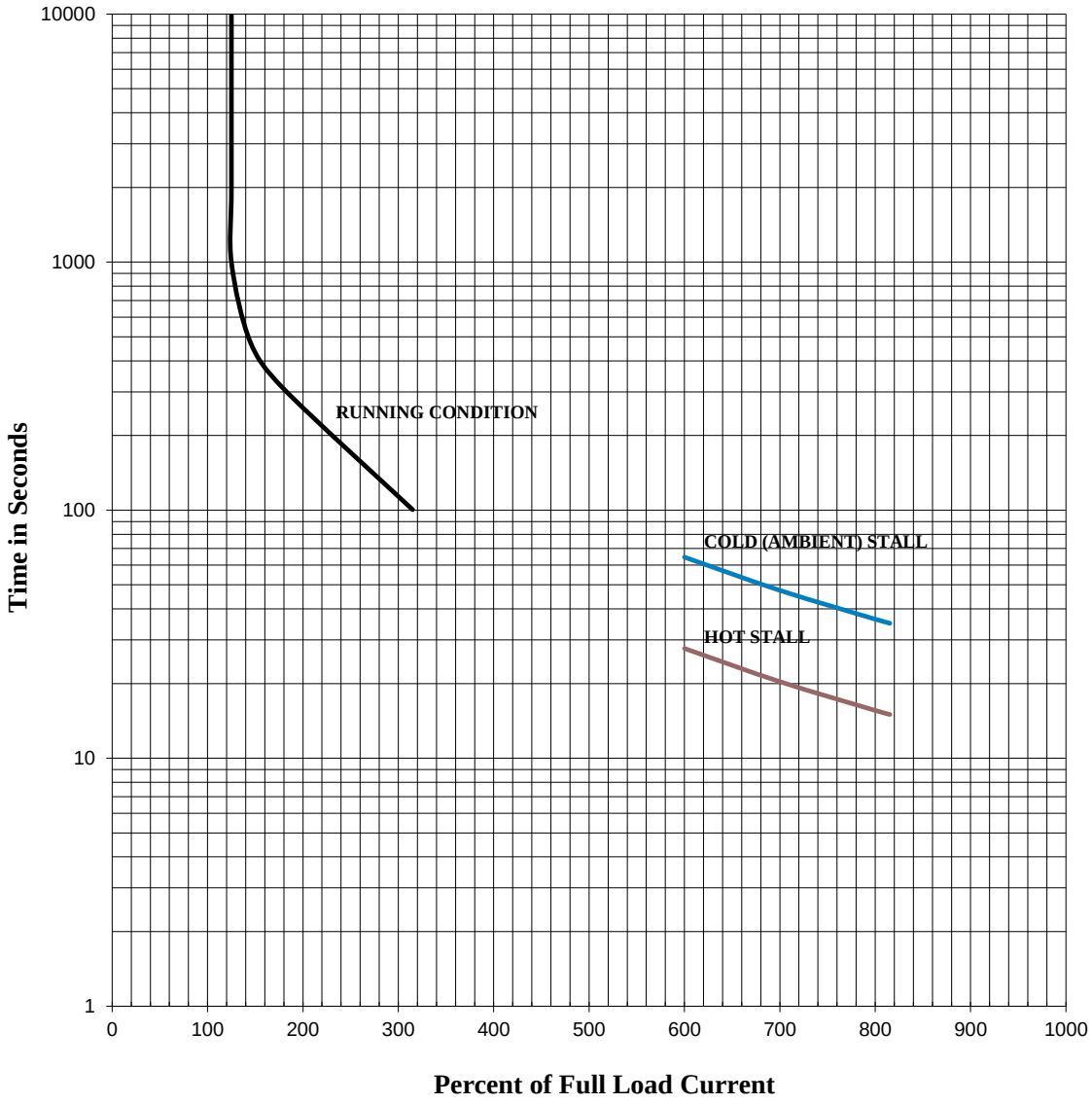
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0116SDMW7JS-PL			***FLAmps:***	19.5
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	160L
Pole:	6	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	15	***Rotor Inertia:***	3.9 lb-ft²	***Date:***	9/10/2020
FLRPM:	1175	***Load Inertia:***	N/A	***File:***	GH6011 (11kW)



Comments: PROJECT -

D.E.Curve #: GH6011 (11kW)

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