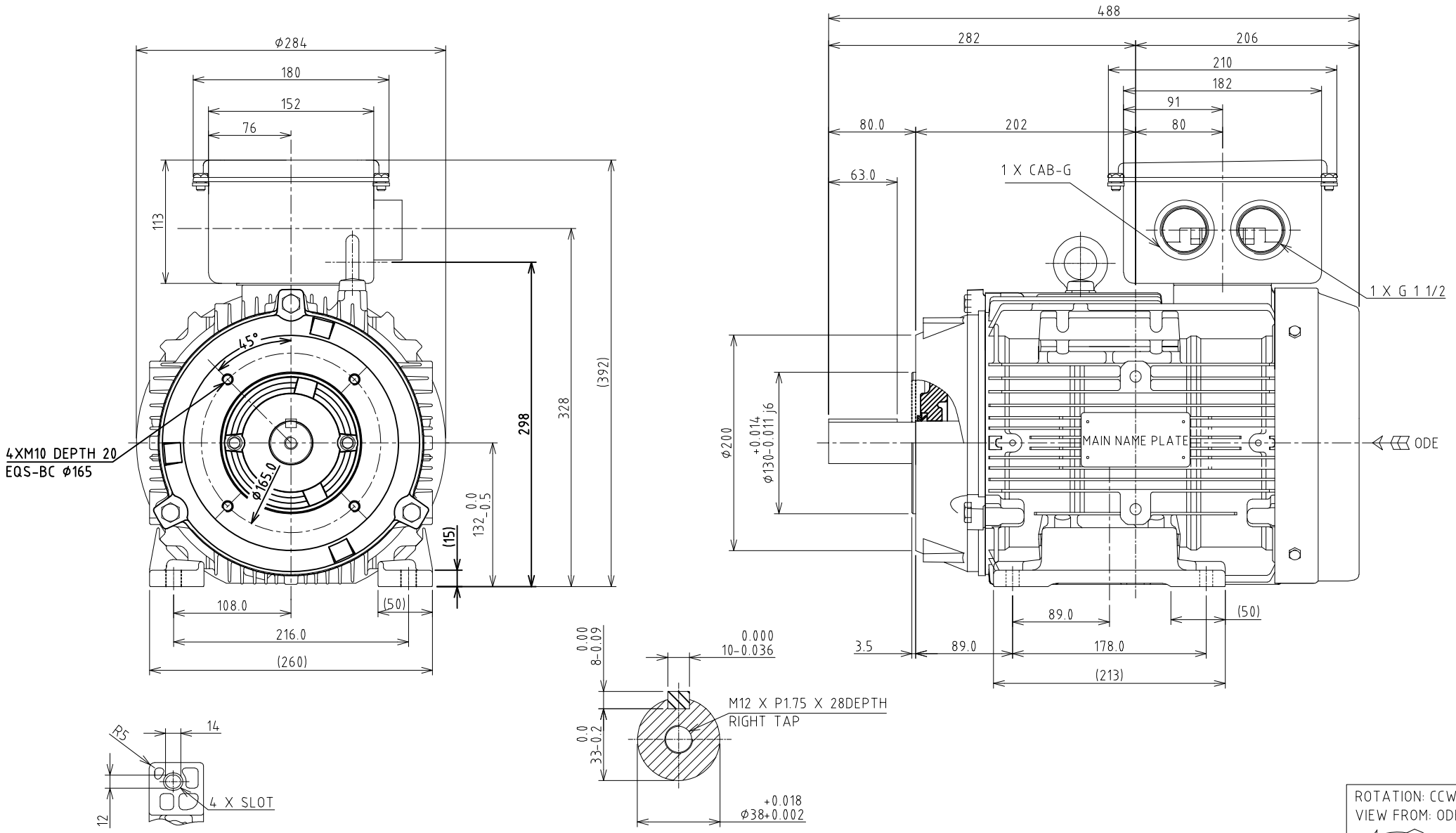

UNIT: mm

B34-FLANGE MOTOR
OL DRAWING IEC GLOBAL

TYPE: 2-4-6P - 400V

FRAME: 132M

3HFN000289

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	Change to the length KEY	T.Danh	Sep-12-18	B.Quynh

EQP Global SD
XT SERIES

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

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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:	132M	ENCL:	TEFC	FLAMPS:	15.1/8.7	FLRPM:	970
FORM:	FBKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0046SDMV7HS-PL			kW:	4		
NOM. EFF.:	86.8	MIN. EFF.:	-	cosØ	0.74		

AMPERAGE

LOCKED ROTOR: 111/64

TORQUES

FULL LOAD (lb-ft.):	29
LOCKED ROTOR (%):	325
BREAK DOWN (%):	400

****BEARINGS:**

DRIVE END:	REFER TO NP
OPPOSITE DRIVE END:	REFER TO NP

EFFICIENCY

FULL LOAD:	89.2
3/4 LOAD:	89.3
1/2 LOAD:	87.7

POWER FACTOR

FULL LOAD:	74.2
3/4 LOAD:	68.7
1/2 LOAD:	57.9

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

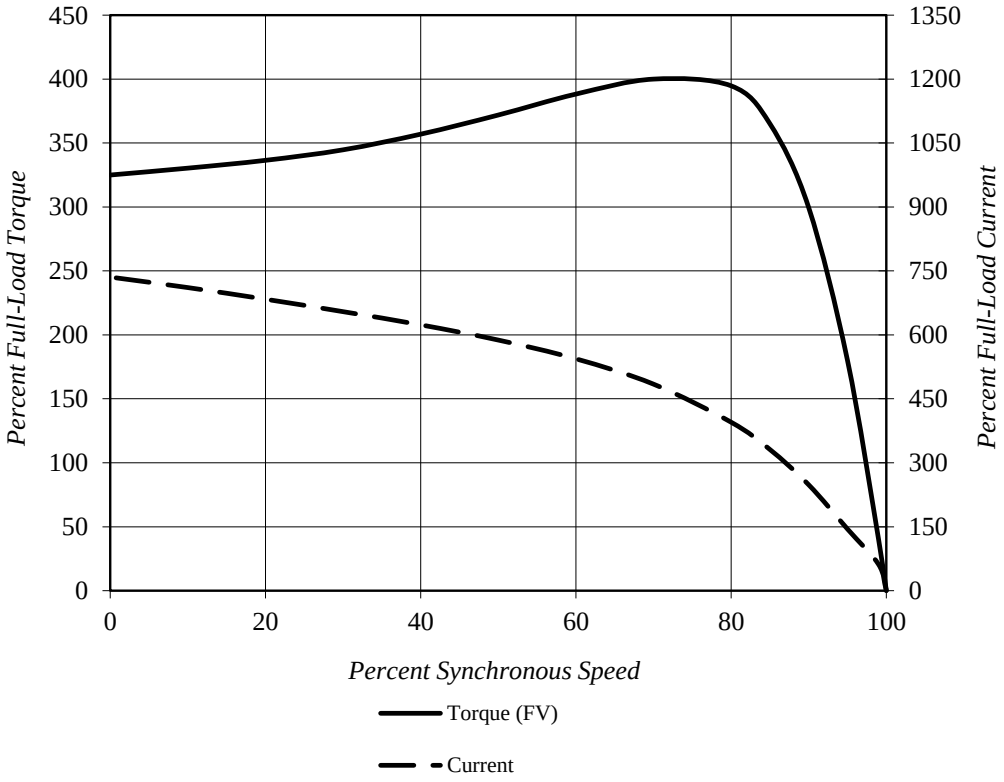
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0046SDMV7HS-PL			***FLAmps:***	15.1/8.7
Enclosure:	TEFC	***Voltage:***	230/400 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	4	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	9/10/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6004 (4kW)

Locked Rotor Amps:	111/64 A	***Load Type:***	N/A
Locked Rotor Torque:	325%	***Starting at:***	N/A
Breakdown Torque:	400%	***Accel. Time:***	N/A
Rated Torque:	29 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6004 (4kW)

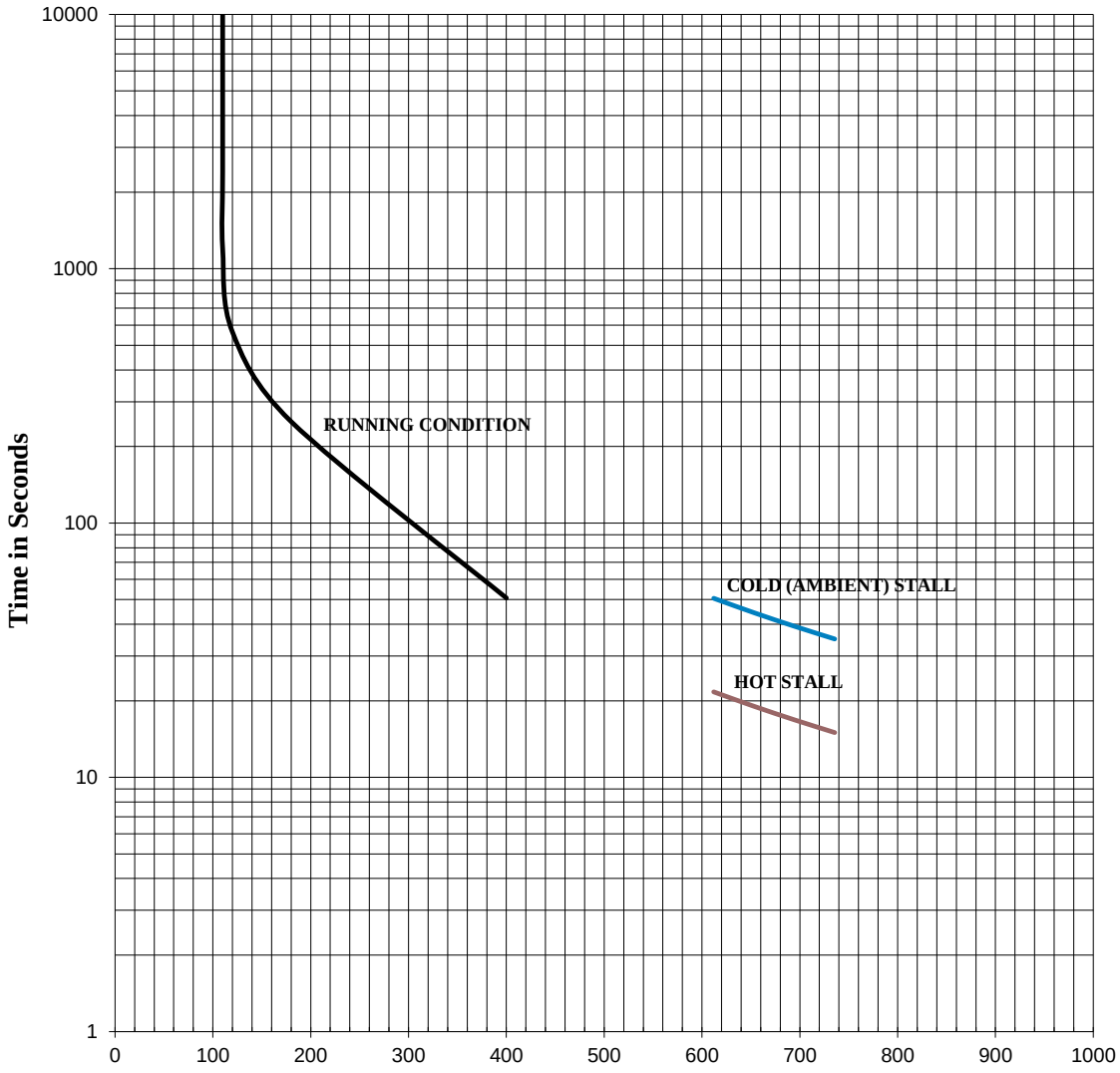
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0046SDMV7HS-PL			***FLAmps:***	15.1/8.7
Enclosure:	TEFC	***Voltage:***	230/400 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	4	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	9/10/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6004 (4kW)



Comments: PROJECT -

D.E.Curve #: GH6004 (4kW)

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

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:	240/415	3 PH /	50 Hz	S. RPM:	1000
FRAME:	132M	ENCL:	TEFC	FLAMPS:	14.5/8.4	FLRPM:	970
FORM:	FBKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0046SDMV7HS-PL			kW:	4		
NOM. EFF.:	86.8	MIN. EFF.:	-	cosØ	0.74		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	114/66	FULL LOAD (lb-ft.):	29	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	290	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	425		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	89.6	FULL LOAD:	74.4
3/4 LOAD:	89.4	3/4 LOAD:	68.2
1/2 LOAD:	87.5	1/2 LOAD:	56.7

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: 9/10/2020

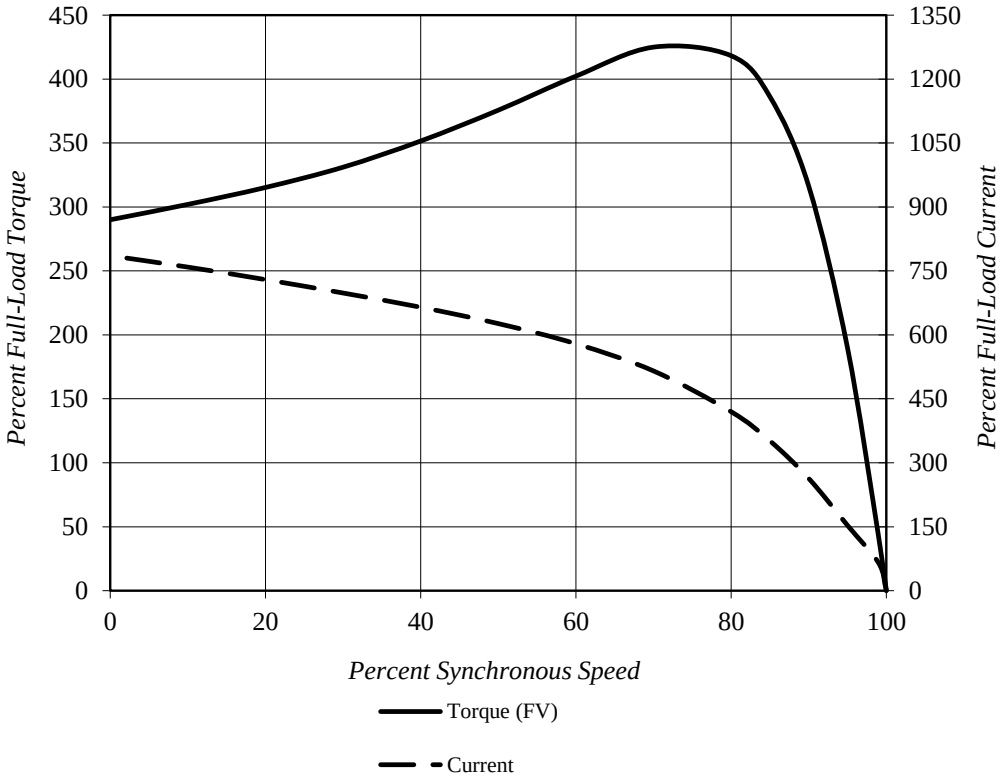
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0046SDMV7HS-PL			***FLAmps:***	14.5/8.4
Enclosure:	TEFC	***Voltage:***	240/415 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	4	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	9/10/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6004 (4kW)

Locked Rotor Amps:	114/66 A	***Load Type:***	N/A
Locked Rotor Torque:	290%	***Starting at:***	N/A
Breakdown Torque:	425%	***Accel. Time:***	N/A
Rated Torque:	29 lb-ft		

Design Values



Comments: PROJECT - ***D.E.Curve #:*** GH6004 (4kW)

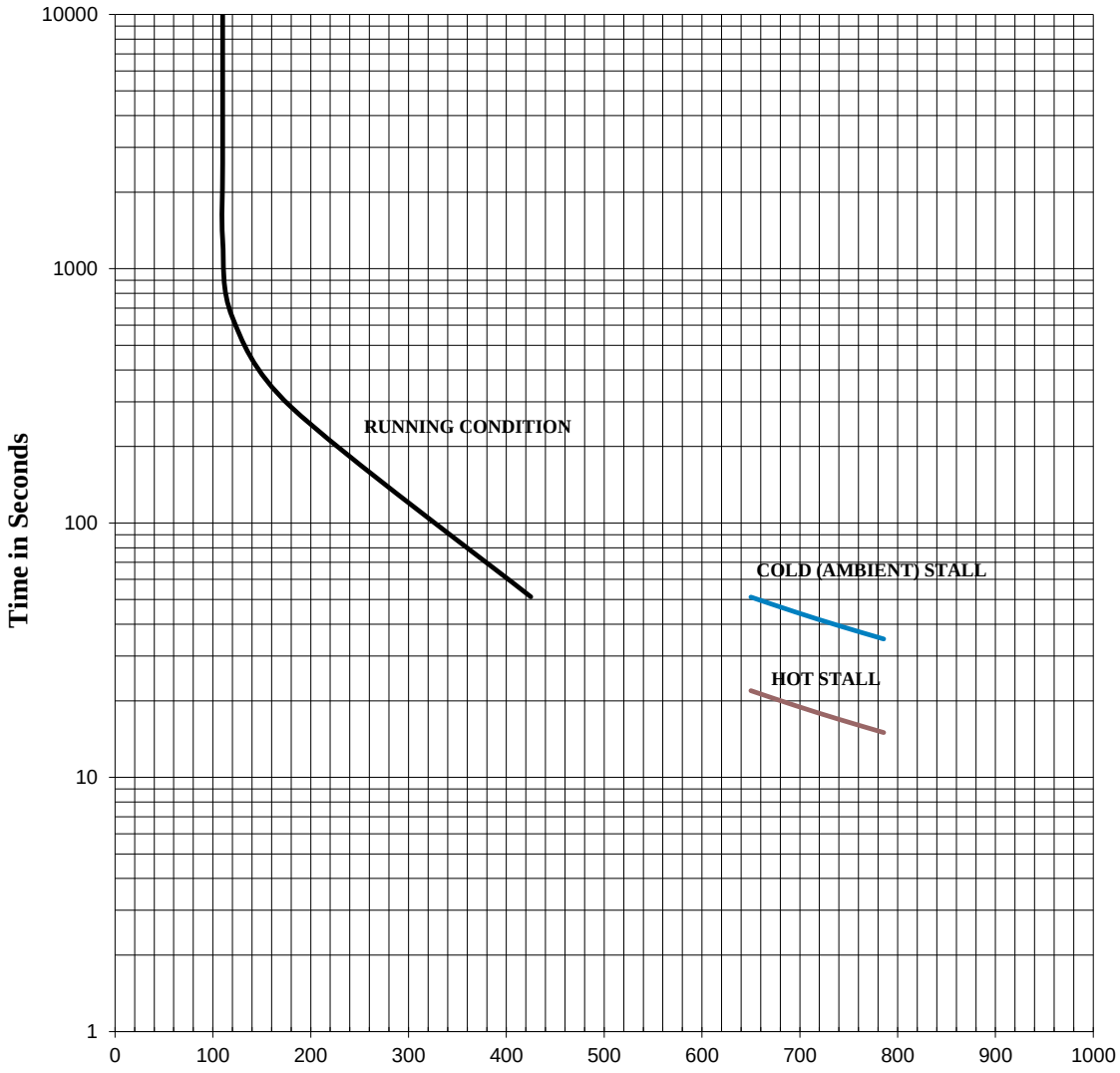
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0046SDMV7HS-PL			***FLAmps:***	14.5/8.4
Enclosure:	TEFC	***Voltage:***	240/415 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	4	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	9/10/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6004 (4kW)



Comments: PROJECT -

D.E.Curve #: GH6004 (4kW)

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

TOSHIBA INTERNATIONAL CORPORATION
Industrial Division / Houston Motor Plant

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REVISION	2
WRITTEN BY	MDC
APPROVED BY	PAA

SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	-	VOLTS:	220/380	3 PH /	50 Hz	S. RPM:	1000
FRAME:	132M	ENCL:	TEFC	FLAMPS:	15.4/8.9	FLRPM:	965
FORM:	FBKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0046SDMV7HS-PL			kW:	4		
NOM. EFF.:	86.8	MIN. EFF.:	-	cosØ	0.77		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	102/59	FULL LOAD (lb-ft.):	29	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	230	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	360		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	88.6	FULL LOAD:	77.0
3/4 LOAD:	89.1	3/4 LOAD:	72.2
1/2 LOAD:	88.0	1/2 LOAD:	62.1

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: 9/10/2020

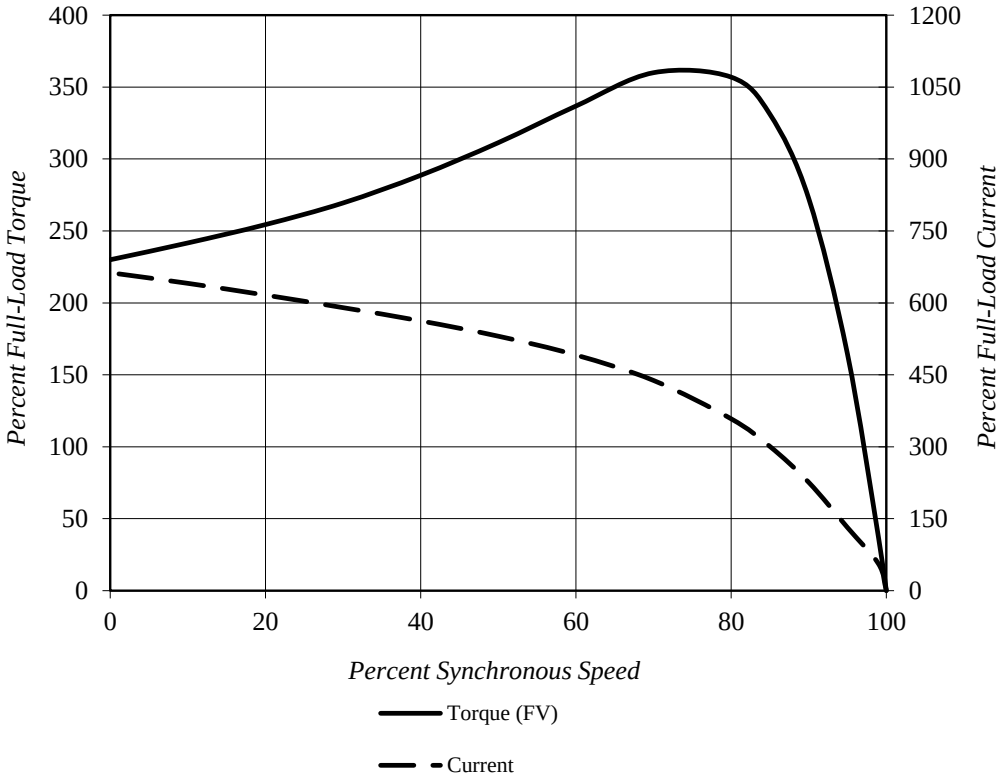
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0046SDMV7HS-PL			***FLAmps:***	15.4/8.9
Enclosure:	TEFC	***Voltage:***	220/380 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	4	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	9/10/2020
FLRPM:	965	***Load Inertia:***	N/A	***File:***	GH6004 (4kW)

Locked Rotor Amps:	102/59 A	***Load Type:***	N/A
Locked Rotor Torque:	230%	***Starting at:***	N/A
Breakdown Torque:	360%	***Accel. Time:***	N/A
Rated Torque:	29 lb-ft		

Design Values



Comments: PROJECT - ***D.E.Curve #:*** GH6004 (4kW)

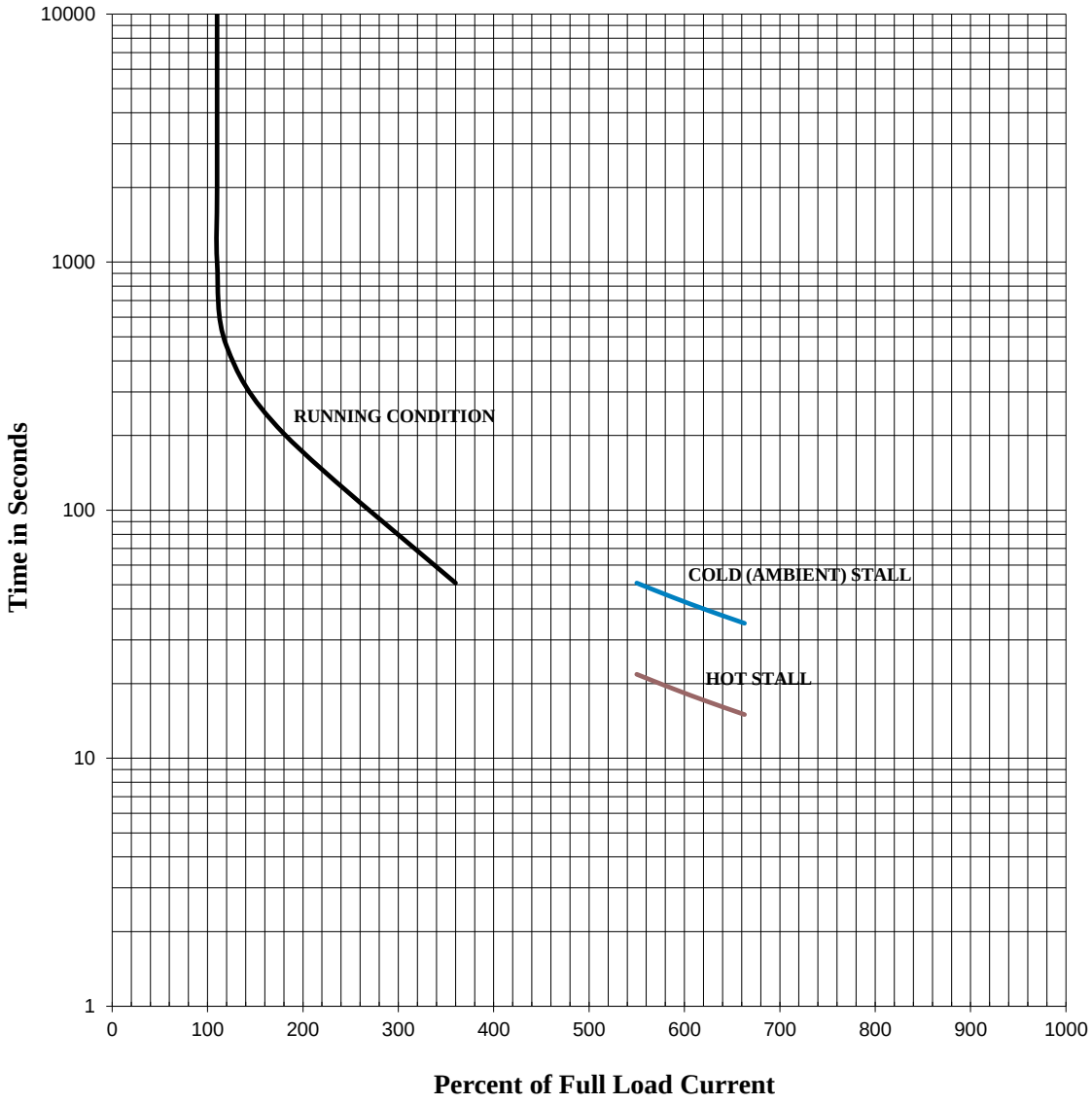
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0046SDMV7HS-PL			***FLAmps:***	15.4/8.9
Enclosure:	TEFC	***Voltage:***	220/380 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	4	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	9/10/2020
FLRPM:	965	***Load Inertia:***	N/A	***File:***	GH6004 (4kW)



Comments: PROJECT - ***D.E.Curve #:*** GH6004 (4kW)

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

TOSHIBA INTERNATIONAL CORPORATION Industrial Division / Houston Motor Plant	INDEX	MPCF-1033
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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.:	5.5	VOLTS:	460	3 PH /	60 Hz	S. RPM:	1200
FRAME:	132M	ENCL:	TEFC	FLAMPS:	7.9	FLRPM:	1175
FORM:	FBKL1	S.F.:	1.15	NEMA DESIGN:	A	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	L	DUTY:	Cont.
MODEL No.:	0046SDMV7HS-PL			kW:	4		
NOM. EFF.:	89.5	MIN. EFF.:	-	P.F.:	72.0		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	63	FULL LOAD (lb-ft.):	25	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	300	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	425		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	90.4	FULL LOAD:	72.4
3/4 LOAD:	90.0	3/4 LOAD:	66.4
1/2 LOAD:	87.8	1/2 LOAD:	55.3

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: 9/10/2020

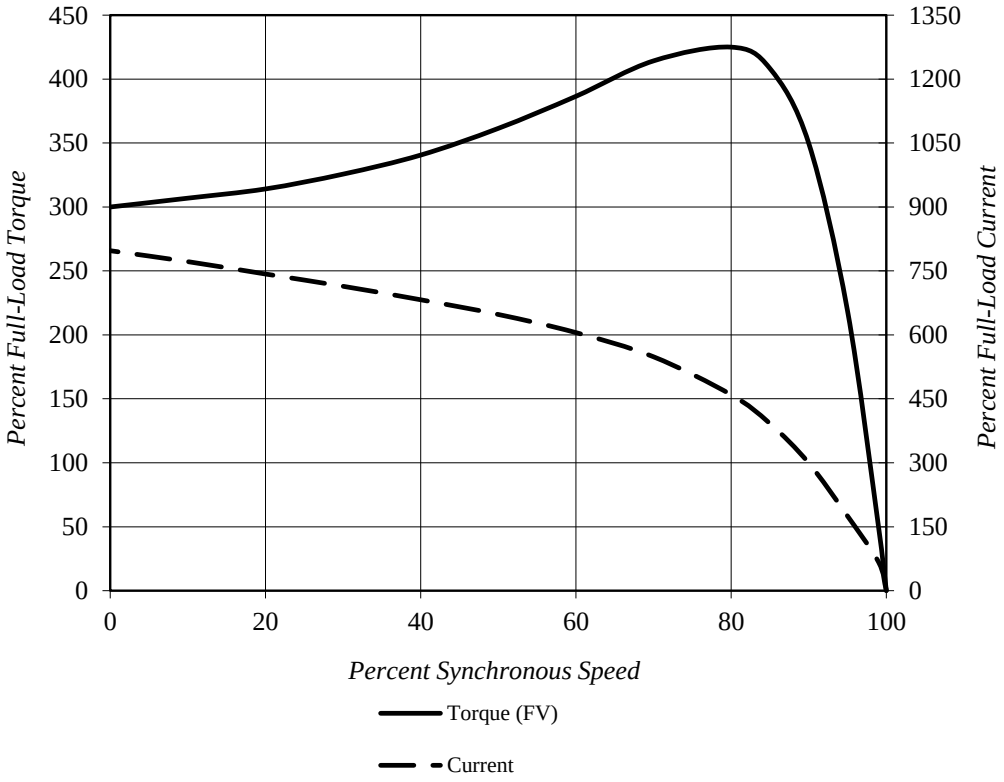
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0046SDMV7HS-PL			***FLAmps:***	7.9
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	5.5	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	9/10/2020
FLRPM:	1175	***Load Inertia:***	N/A	***File:***	GH6004 (4kW)

Locked Rotor Amps:	63 A	***Load Type:***	N/A
Locked Rotor Torque:	300%	***Starting at:***	N/A
Breakdown Torque:	425%	***Accel. Time:***	N/A
Rated Torque:	25 lb-ft		

Design Values



Comments: PROJECT - ***D.E.Curve #:*** GH6004 (4kW)

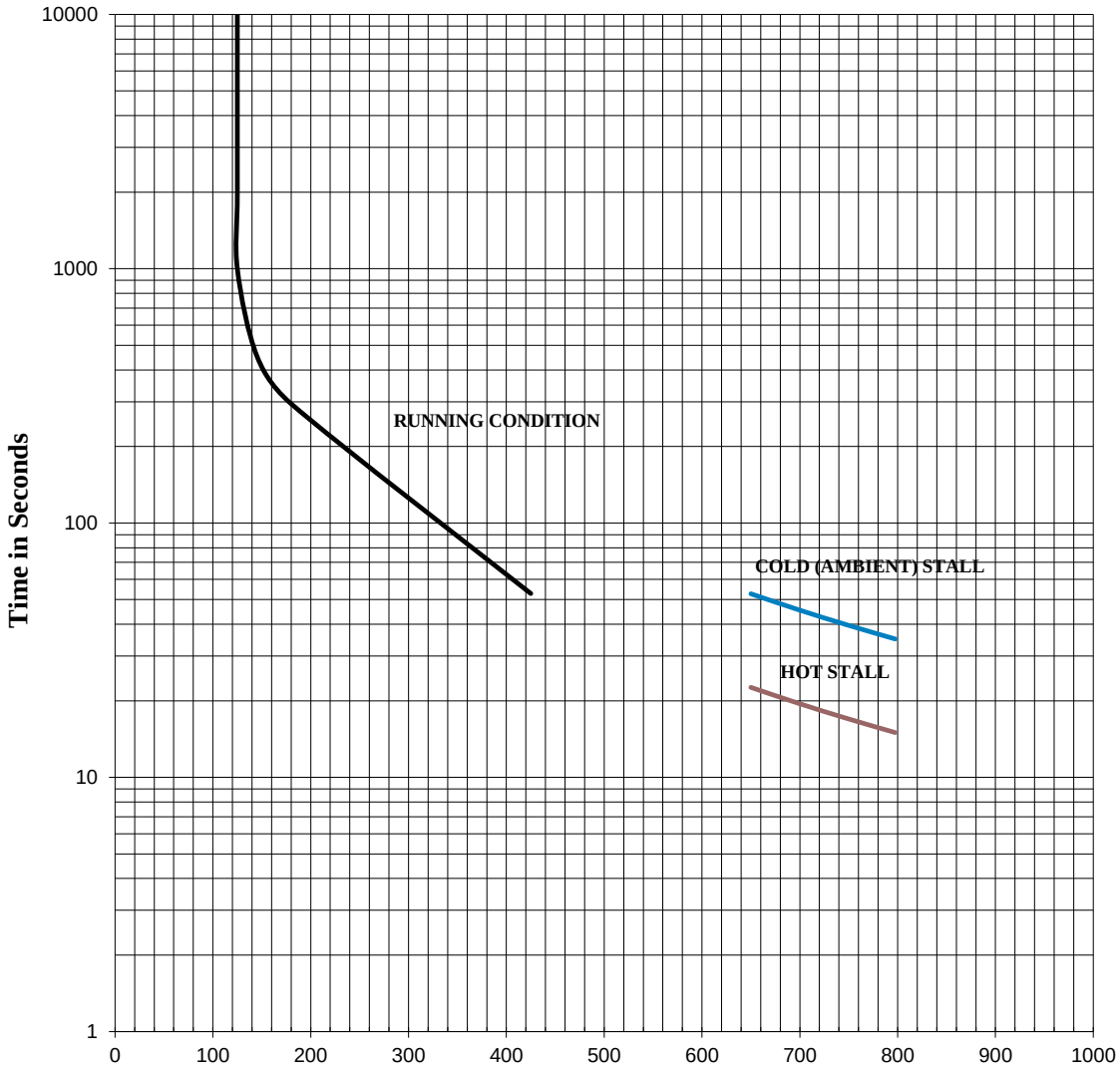
	Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0046SDMV7HS-PL			***FLAmps:***	7.9
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	5.5	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	9/10/2020
FLRPM:	1175	***Load Inertia:***	N/A	***File:***	GH6004 (4kW)



Comments: PROJECT -

D.E.Curve #: GH6004 (4kW)

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