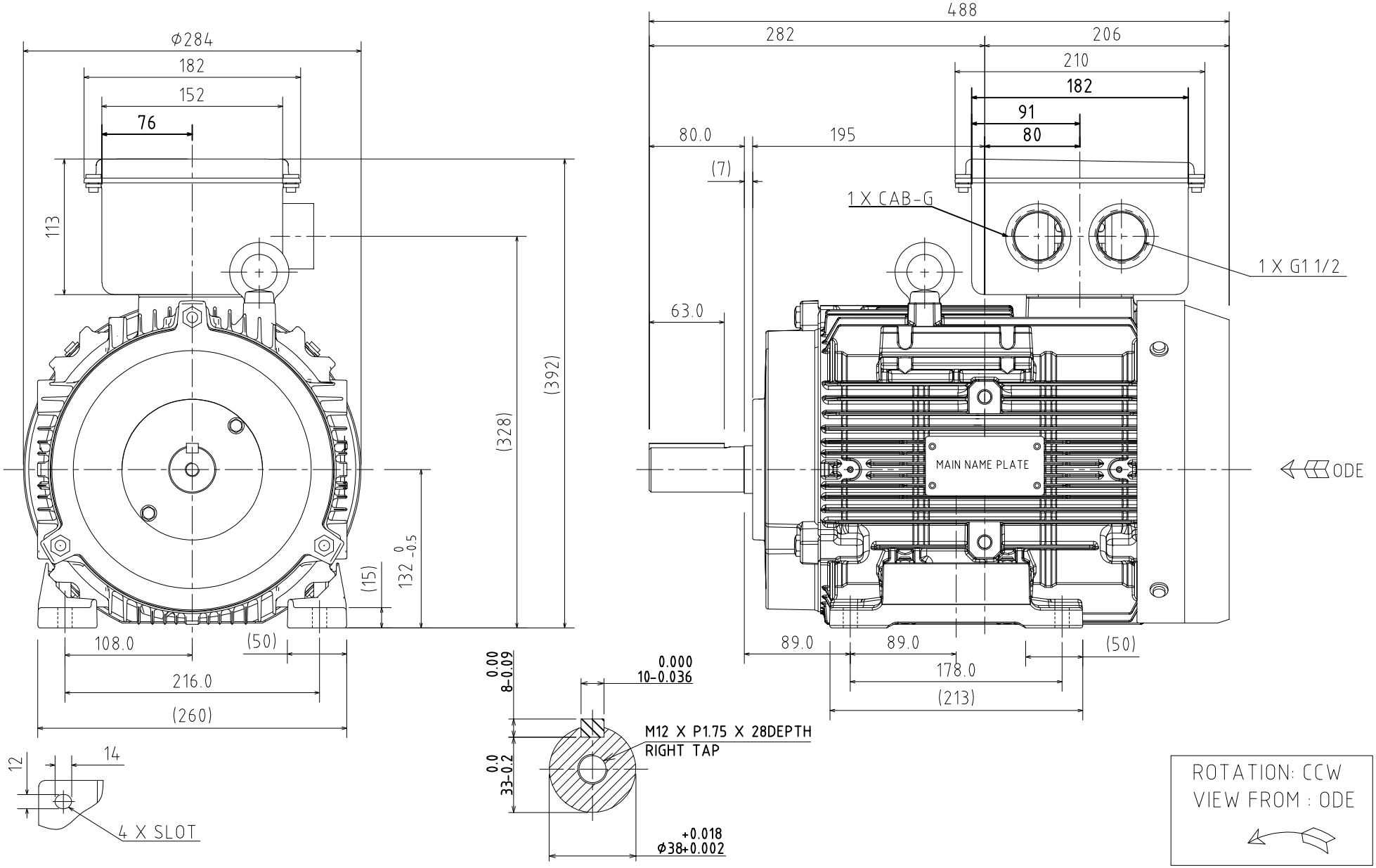

UNIT: mm

B3-FOOT MOUNTED MOTOR
OL DRAWING IEC GLOBAL

TYPE: 2-4-6P - 400V

FRAME: 132M

3HFN000177

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:	230/400	3 PH /	50 Hz	S. RPM:	1000
FRAME:	132M	ENCL:	TEFC	FLAMPS:	20/11.6	FLRPM:	970
FORM:	FBK1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	Y556SDMV7FS-PL			kW:	5.5		
NOM. EFF.:	88.0	MIN. EFF.:	-	cosØ	0.76		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	152/88	FULL LOAD (lb-ft.):	40	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	285	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	370		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	90.3	FULL LOAD:	76.1
3/4 LOAD:	90.5	3/4 LOAD:	71.1
1/2 LOAD:	89.1	1/2 LOAD:	60.7

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: 7/31/2020

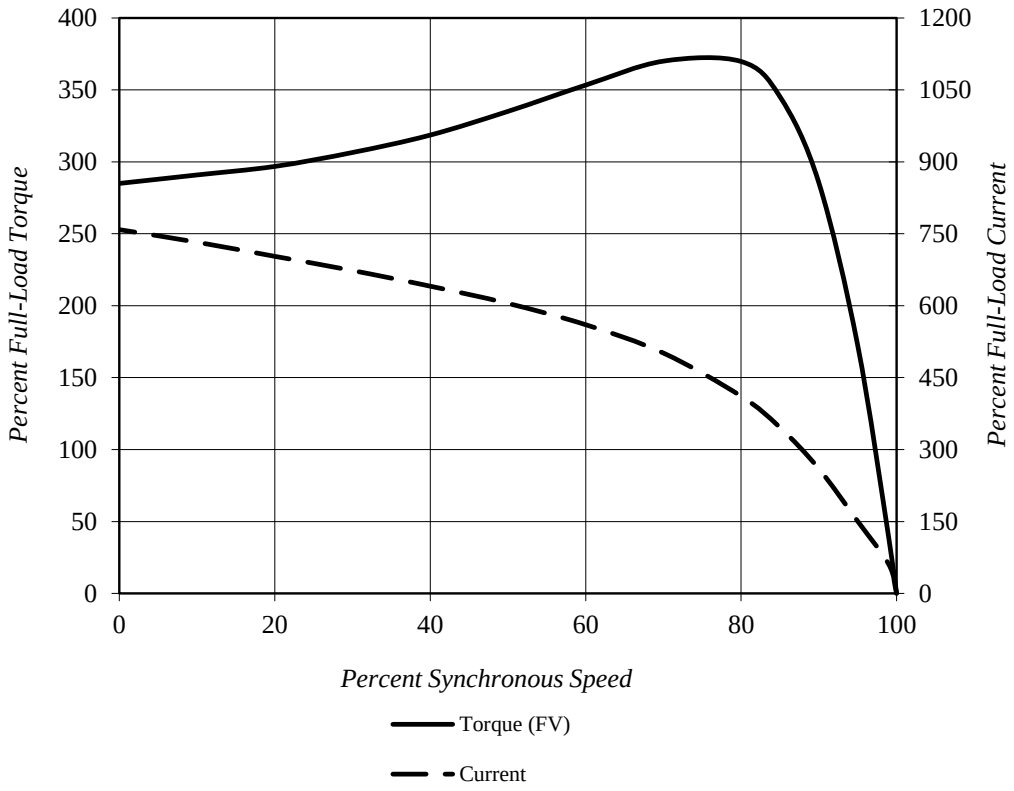
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y556SDMV7FS-PL			***FLAmps:***	20/11.6
Enclosure:	TEFC	***Voltage:***	230/400 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	5.5	***Rotor Inertia:***	2.0 lb-ft²	***Date:***	7/31/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6Y55 (5.5kW

Locked Rotor Amps:	152/88 A	***Load Type:***	N/A
Locked Rotor Torque:	285%	***Starting at:***	N/A
Breakdown Torque:	370%	***Accel. Time:***	N/A
Rated Torque:	40 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y55 (5.5kW

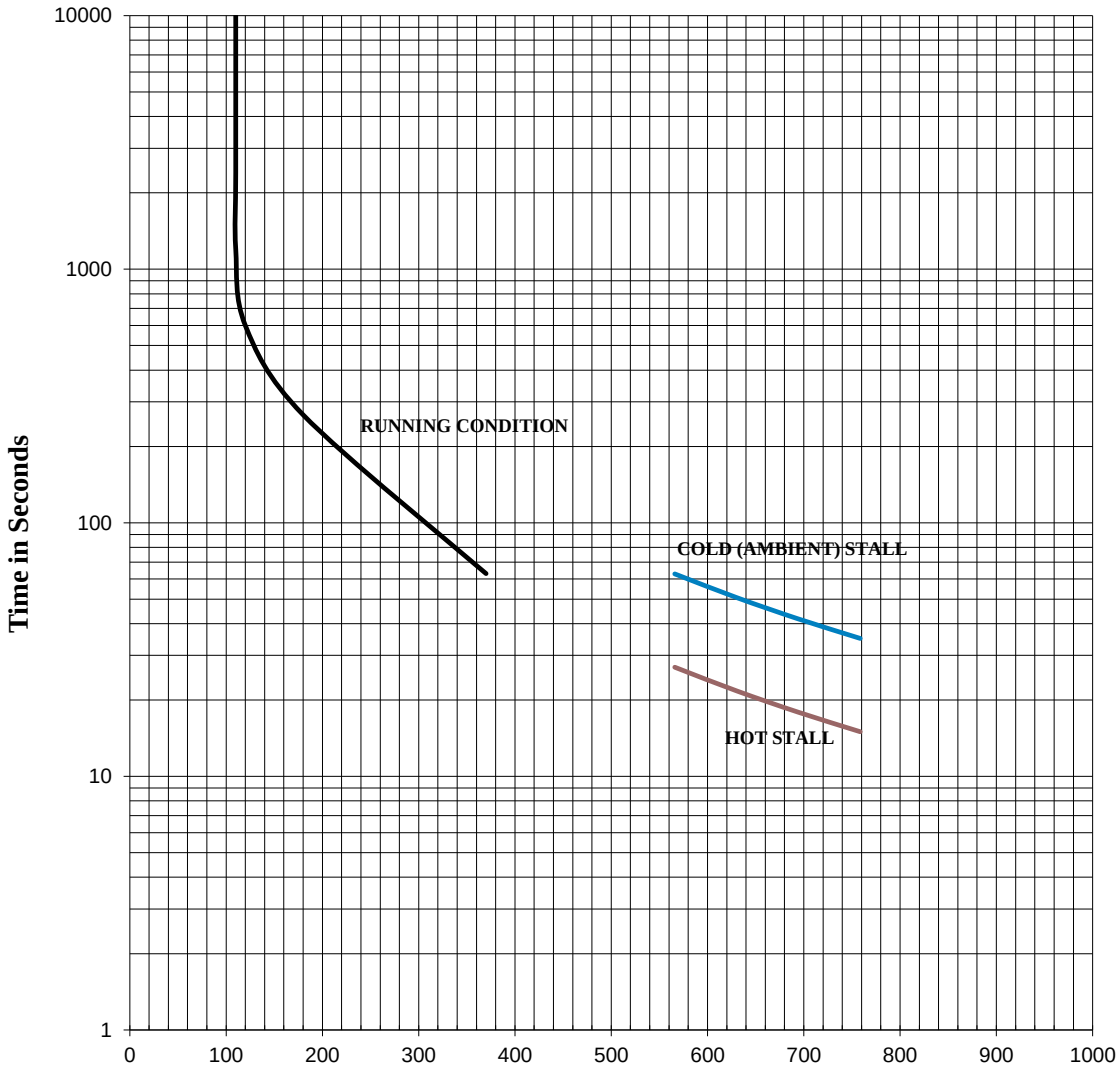
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y556SDMV7FS-PL			***FLAmps:***	20/11.6
Enclosure:	TEFC	***Voltage:***	230/400 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	5.5	***Rotor Inertia:***	2.0 lb-ft²	***Date:***	7/31/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6Y55 (5.5kW



Comments: PROJECT -

D.E.Curve #: GH6Y55 (5.5kW

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:	240/415	3 PH /	50 Hz	S. RPM:	1000
FRAME:	132M	ENCL:	TEFC	FLAMPS:	19.2/11.1	FLRPM:	970
FORM:	FBK1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	Y556SDMV7FS-PL			kW:	5.5		
NOM. EFF.:	88.0	MIN. EFF.:	-	cosØ	0.76		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	159/92	FULL LOAD (lb-ft.):	40	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	310	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	390		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	90.7	FULL LOAD:	76.0
3/4 LOAD:	90.6	3/4 LOAD:	70.3
1/2 LOAD:	88.9	1/2 LOAD:	59.1

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: 7/31/2020

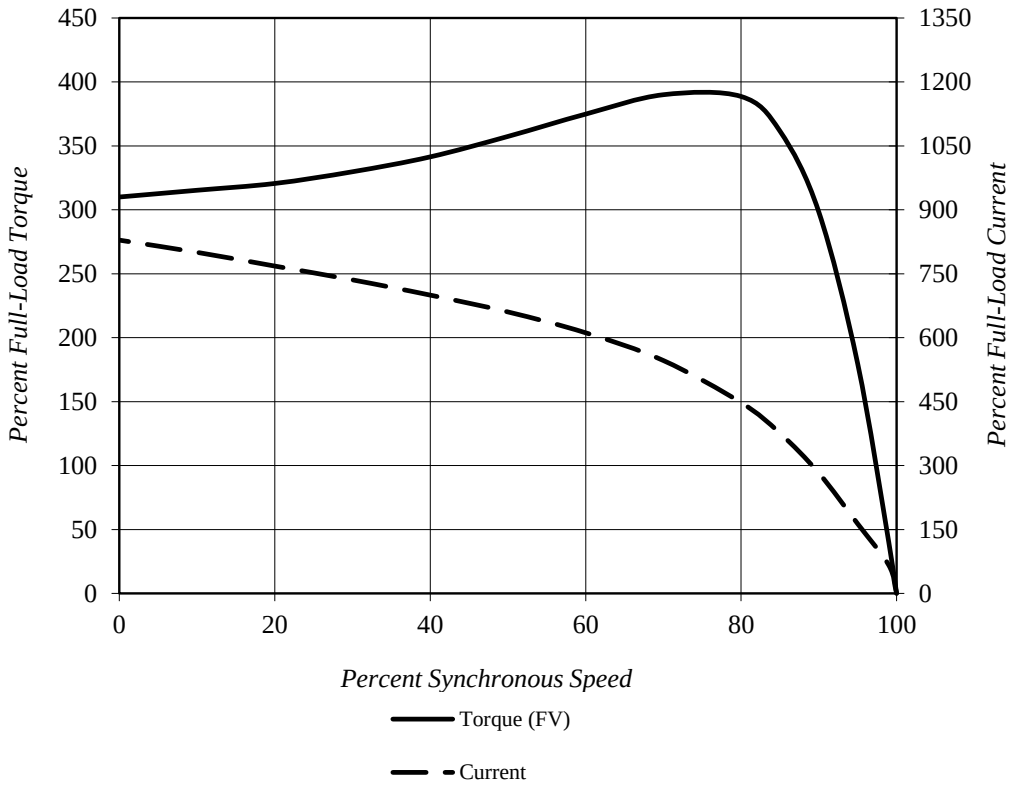
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y556SDMV7FS-PL			***FLAmps:***	19.2/11.1
Enclosure:	TEFC	***Voltage:***	240/415 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	5.5	***Rotor Inertia:***	2.0 lb-ft²	***Date:***	7/31/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6Y55 (5.5kW

Locked Rotor Amps:	159/92 A	***Load Type:***	N/A
Locked Rotor Torque:	310%	***Starting at:***	N/A
Breakdown Torque:	390%	***Accel. Time:***	N/A
Rated Torque:	40 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y55 (5.5kW

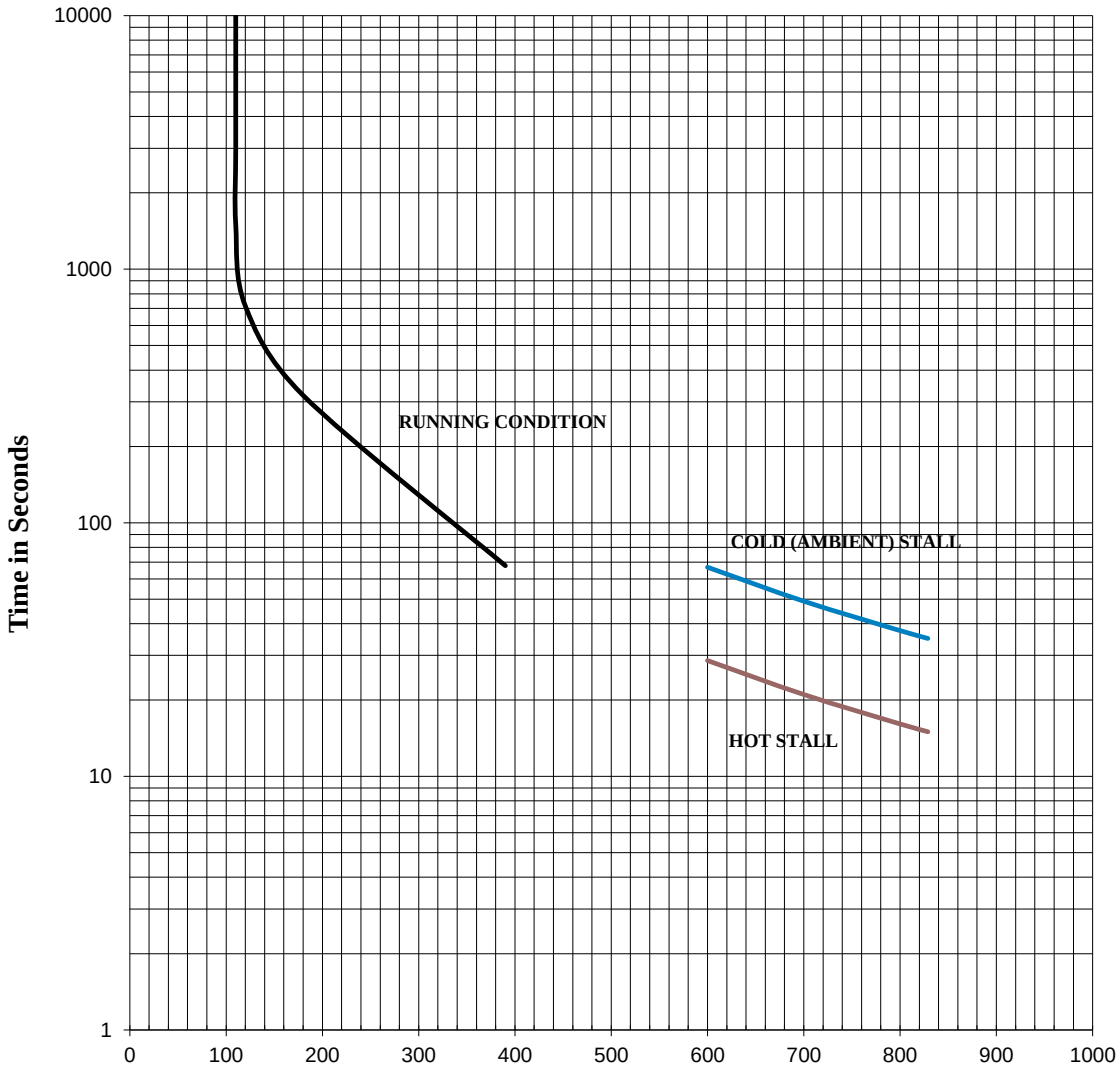
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y556SDMV7FS-PL			***FLAmps:***	19.2/11.1
Enclosure:	TEFC	***Voltage:***	240/415 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	5.5	***Rotor Inertia:***	2.0 lb-ft²	***Date:***	7/31/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6Y55 (5.5kW



Comments: PROJECT -

D.E.Curve #: GH6Y55 (5.5kW

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:	220/380	3 PH /	50 Hz	S. RPM:	1000
FRAME:	132M	ENCL:	TEFC	FLAMPS:	21/11.9	FLRPM:	965
FORM:	FBK1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	Y556SDMV7FS-PL			kW:	5.5		
NOM. EFF.:	88.0	MIN. EFF.:	-	cosØ	0.78		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	142/82	FULL LOAD (lb-ft.):	40	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	245	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	335		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	89.8	FULL LOAD:	78.5
3/4 LOAD:	90.4	3/4 LOAD:	74.2
1/2 LOAD:	89.4	1/2 LOAD:	64.6

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: 7/31/2020

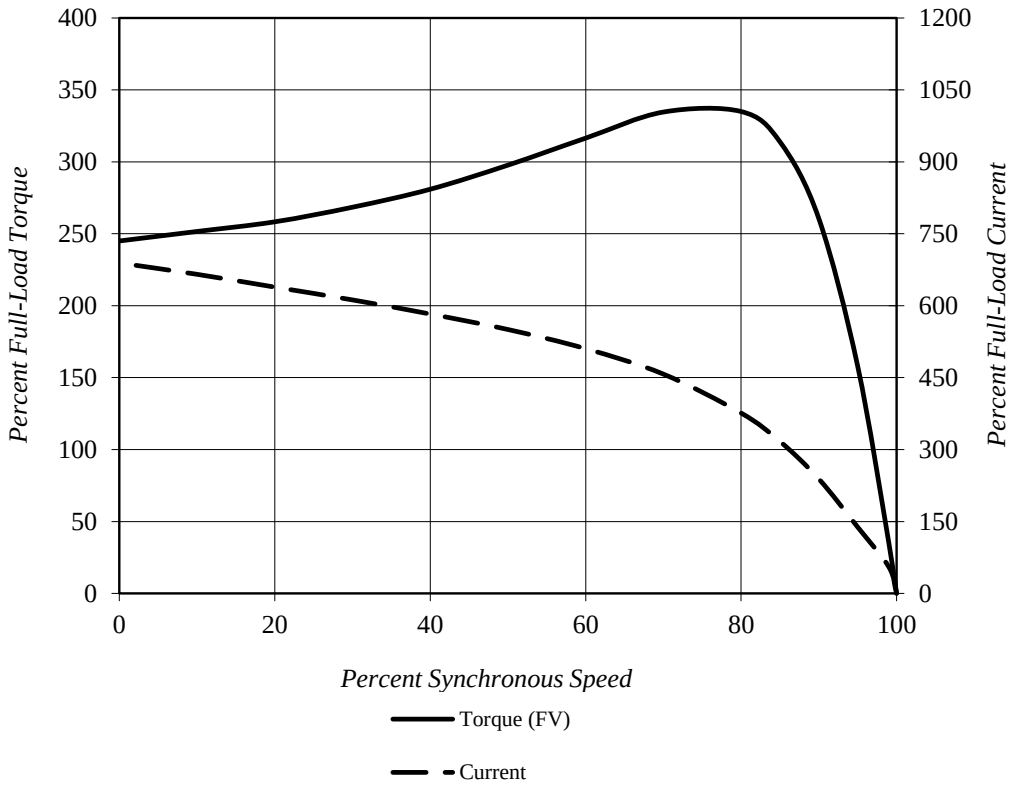
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y556SDMV7FS-PL			***FLAmps:***	21/11.9
Enclosure:	TEFC	***Voltage:***	220/380 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	5.5	***Rotor Inertia:***	2.0 lb-ft²	***Date:***	7/31/2020
FLRPM:	965	***Load Inertia:***	N/A	***File:***	GH6Y55 (5.5kW

Locked Rotor Amps:	142/82 A	***Load Type:***	N/A
Locked Rotor Torque:	245%	***Starting at:***	N/A
Breakdown Torque:	335%	***Accel. Time:***	N/A
Rated Torque:	40 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y55 (5.5kW

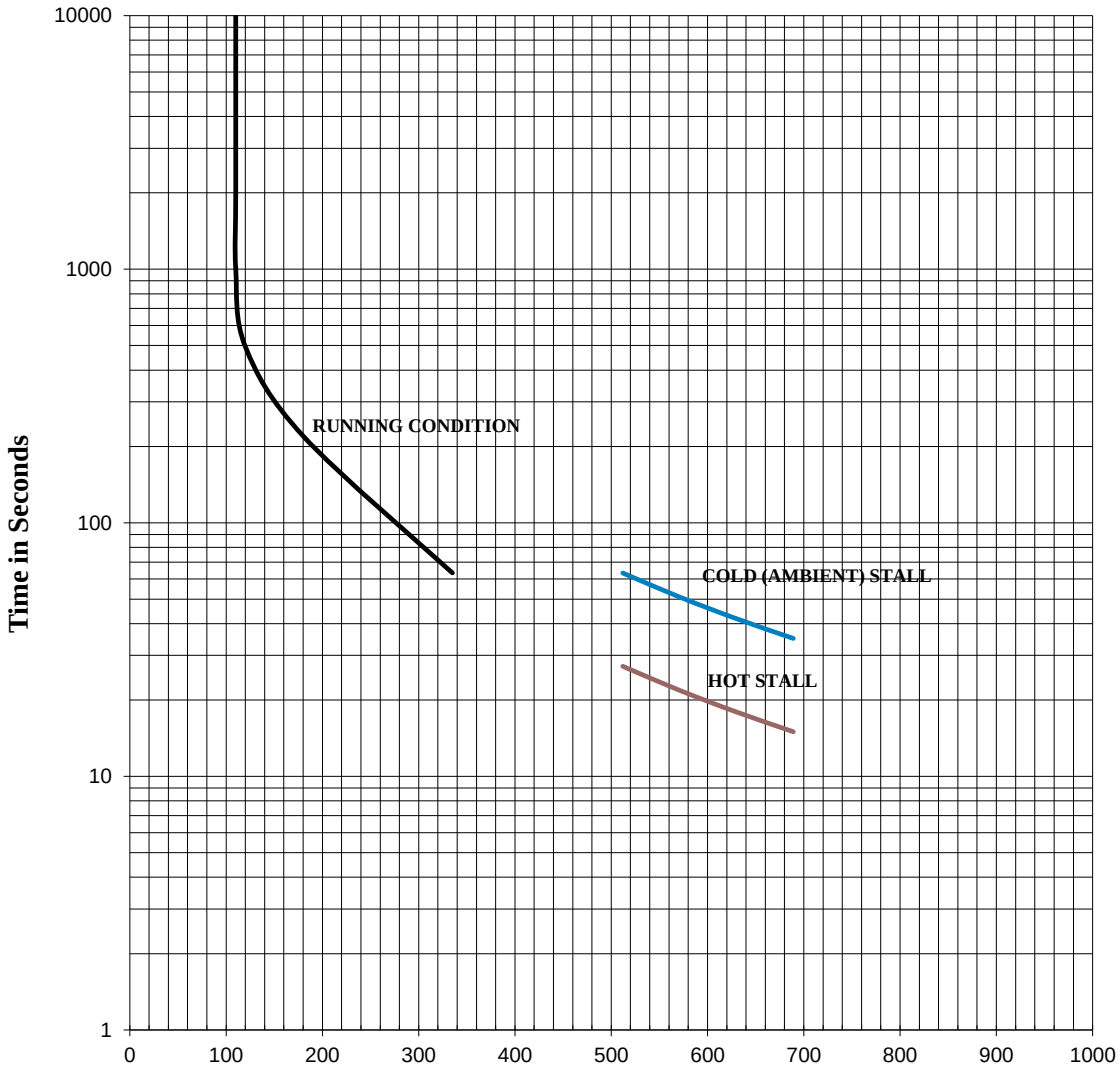
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y556SDMV7FS-PL			***FLAmps:***	21/11.9
Enclosure:	TEFC	***Voltage:***	220/380 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	5.5	***Rotor Inertia:***	2.0 lb-ft²	***Date:***	7/31/2020
FLRPM:	965	***Load Inertia:***	N/A	***File:***	GH6Y55 (5.5kW



Comments: PROJECT -

D.E.Curve #: GH6Y55 (5.5kW

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.:	7.5	VOLTS:	460	3 PH /	60 Hz	S. RPM:	1200
FRAME:	132M	ENCL:	TEFC	FLAMPS:	10.2	FLRPM:	1175
FORM:	FBK1	S.F.:	1.15	NEMA DESIGN:	A	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	L	DUTY:	Cont.
MODEL No.:	Y556SDMV7FS-PL			kW:	5.5		
NOM. EFF.:	91.0	MIN. EFF.:	-	P.F.:	74.0		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	88	FULL LOAD (lb-ft.):	33	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	320	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	355		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	91.5	FULL LOAD:	74.1
3/4 LOAD:	91.0	3/4 LOAD:	68.4
1/2 LOAD:	89.0	1/2 LOAD:	57.4

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: 7/31/2020

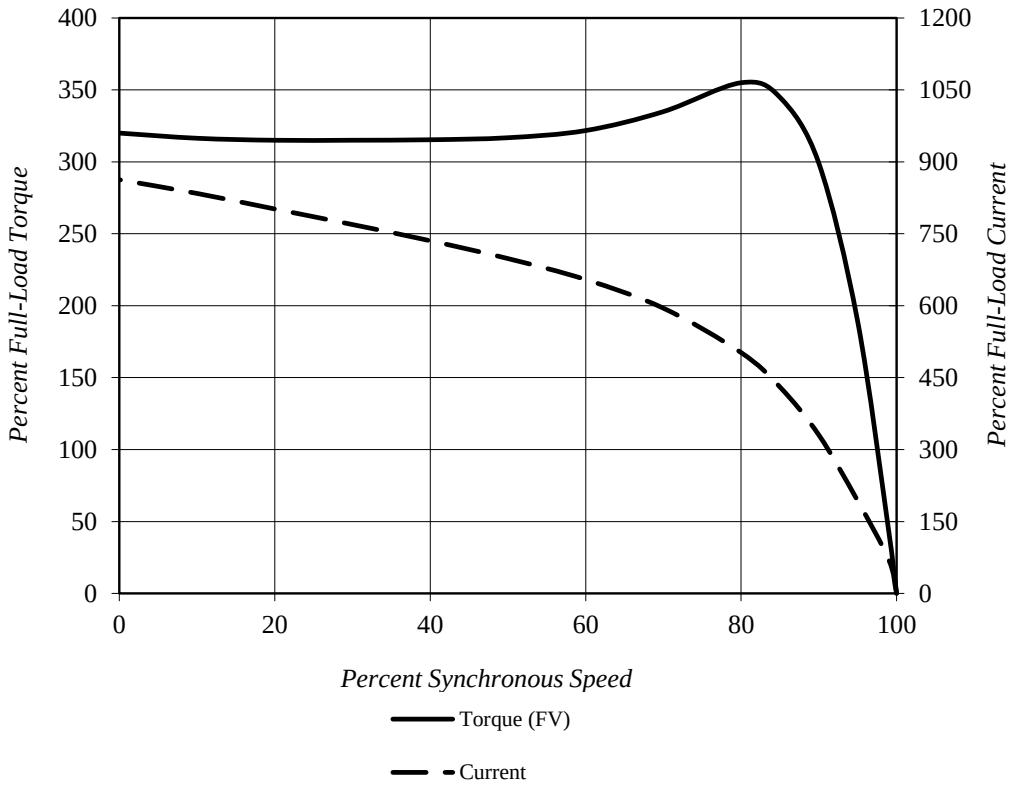
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y556SDMV7FS-PL			***FLAmps:***	10.2
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	7.5	***Rotor Inertia:***	2.0 lb-ft²	***Date:***	7/31/2020
FLRPM:	1175	***Load Inertia:***	N/A	***File:***	GH6Y55 (5.5kW

Locked Rotor Amps:	88 A	***Load Type:***	N/A
Locked Rotor Torque:	320%	***Starting at:***	N/A
Breakdown Torque:	355%	***Accel. Time:***	N/A
Rated Torque:	33 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y55 (5.5kW

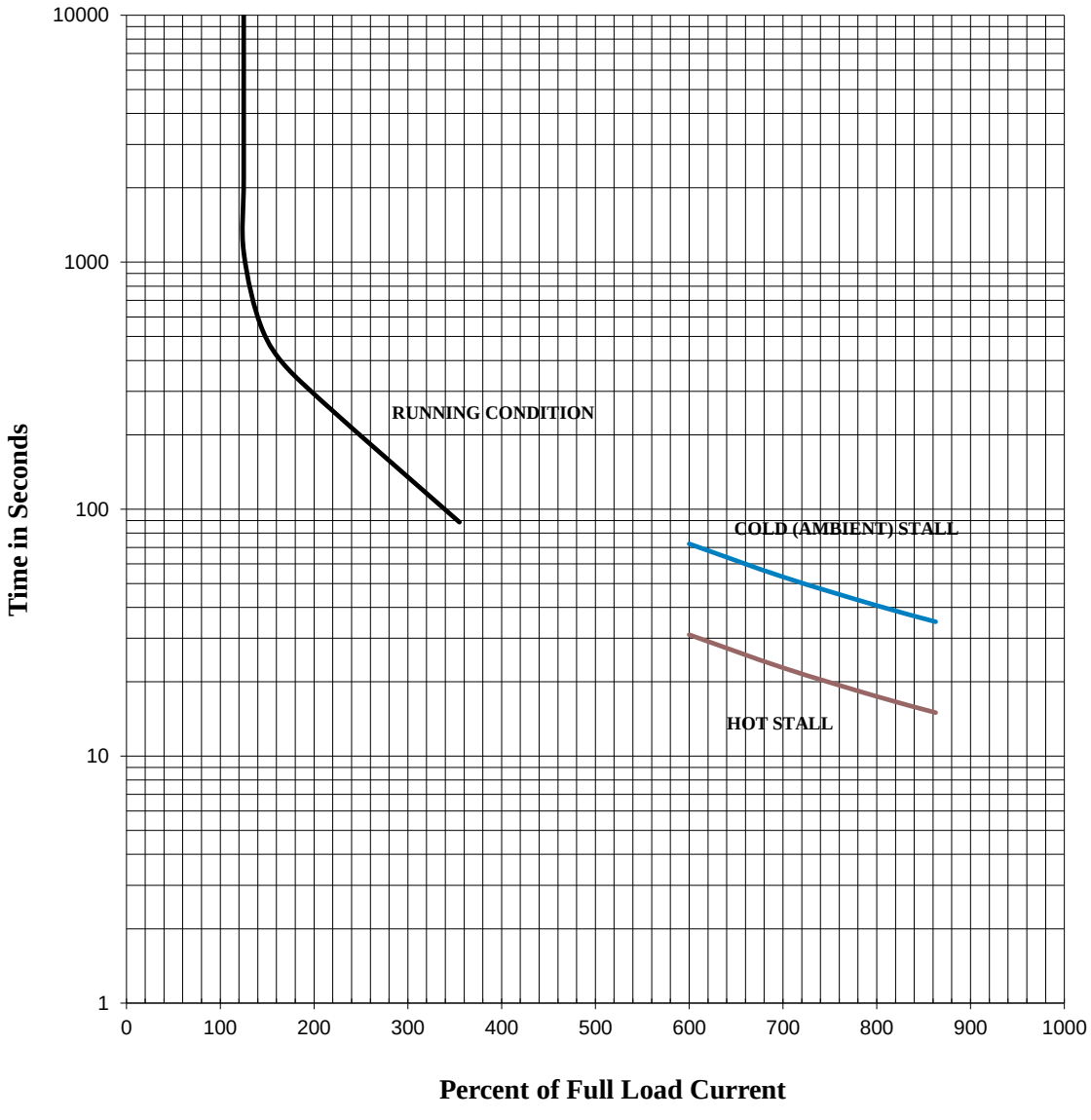
	Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y556SDMV7FS-PL			***FLAmps:***	10.2
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	132M
Pole:	6	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	7.5	***Rotor Inertia:***	2.0 lb-ft²	***Date:***	7/31/2020
FLRPM:	1175	***Load Inertia:***	N/A	***File:***	GH6Y55 (5.5kW



Comments: PROJECT -

D.E.Curve #: GH6Y55 (5.5kW

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