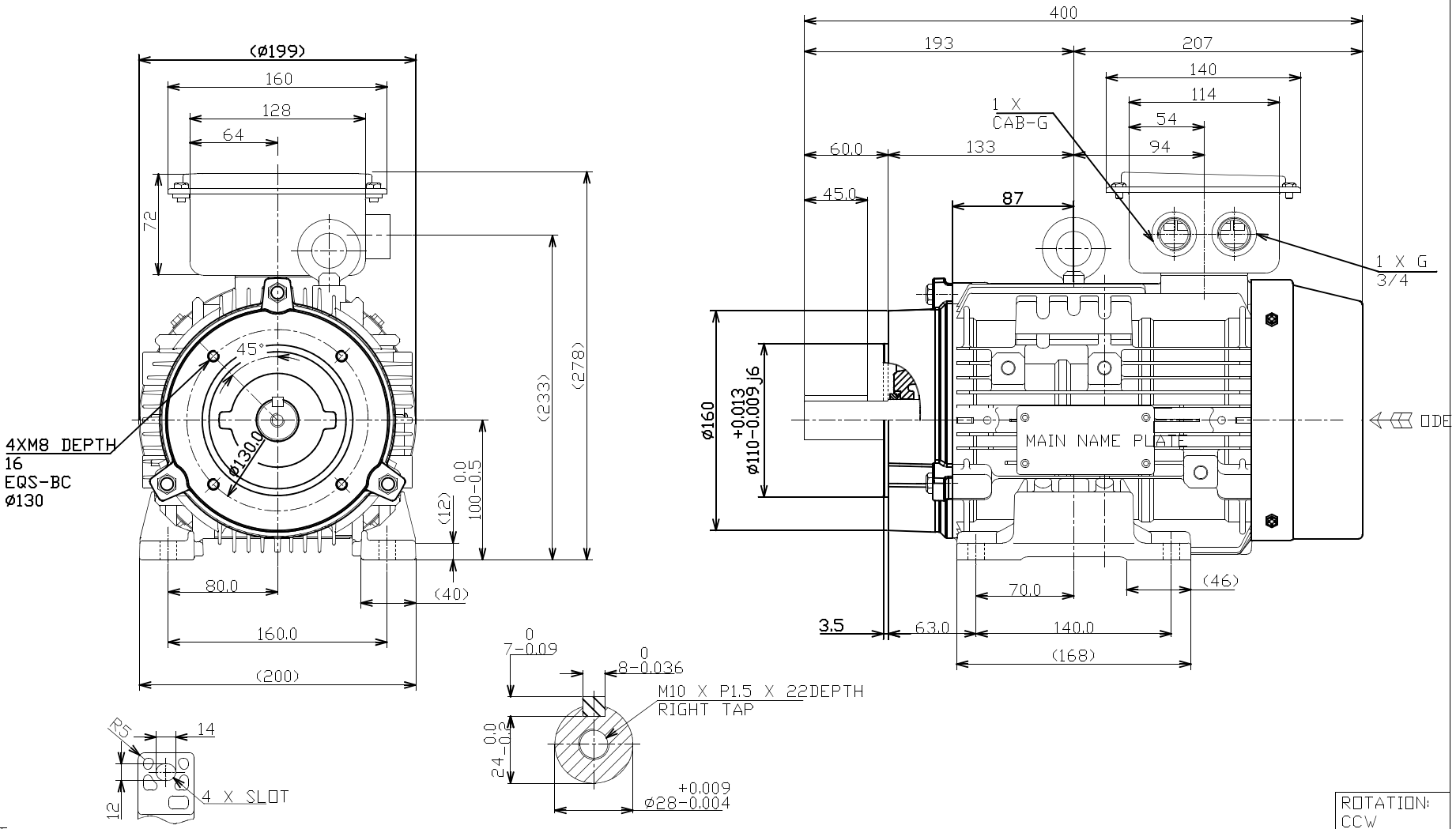

UNIT: mm

ROTATION: CCW
VIEW FROM: DE

B34-FLANGE MOTOR
OL DRAWING IEC GLOBAL

TYPE: 6P - 400V

FRAME: 100L

3HFN000332

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

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

INDEX	MPCF-1033
SHEET NO.	1 of 1
ISSUED	7/31/13
SUPERSEDES	11/8/96
REVISION	2
WRITTEN BY	MDC
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:	100L	ENCL:	TEFC	FLAMPS:	6.6/3.8	FLRPM:	970
FORM:	FBKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	Y156SDMV7HS-PL			kW:	1.5		
NOM. EFF.:	82.5	MIN. EFF.:	-	cosØ	0.66		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	48/28	FULL LOAD (lb-ft.):	10.8	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	325	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	485		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	86.7	FULL LOAD:	66.1
3/4 LOAD:	85.7	3/4 LOAD:	58.3
1/2 LOAD:	82.2	1/2 LOAD:	46.1

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: 6/25/2020

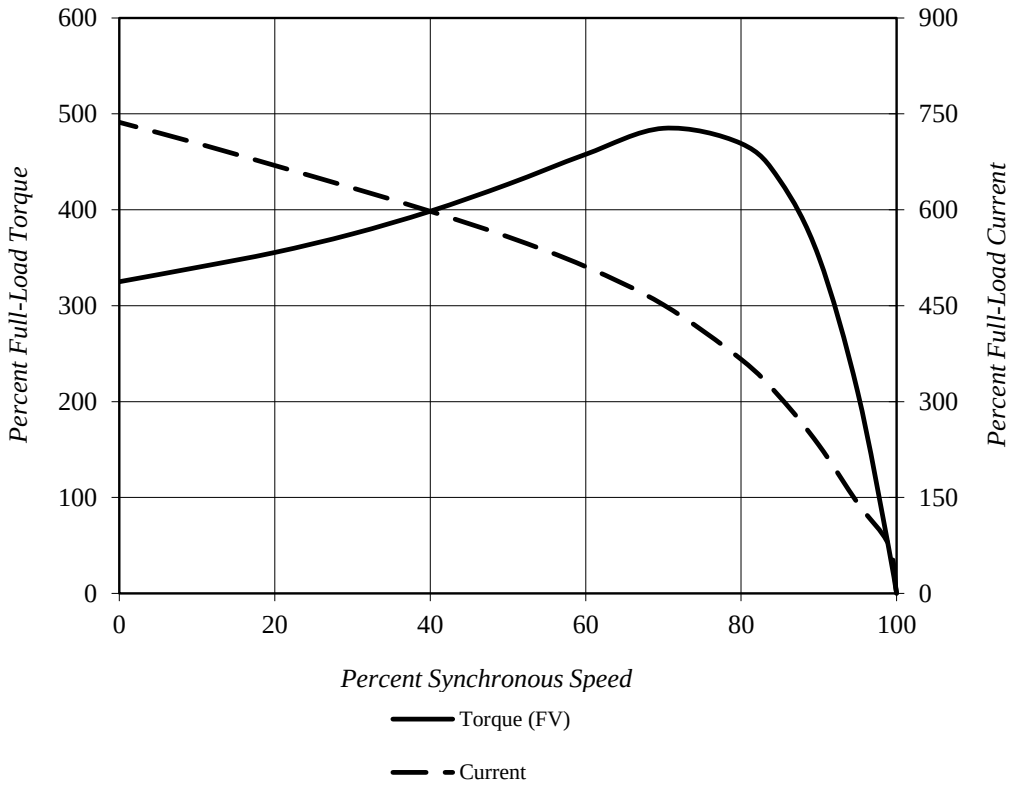
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y156SDMV7HS-PL			***FLAmps:***	6.6/3.8
Enclosure:	TEFC	***Voltage:***	230/400 V	***Frame:***	100L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	1.5	***Rotor Inertia:***	0.39 lb-ft²	***Date:***	6/25/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6Y15 (1.5kW)

Locked Rotor Amps:	48/28 A	***Load Type:***	N/A
Locked Rotor Torque:	325%	***Starting at:***	N/A
Breakdown Torque:	485%	***Accel. Time:***	N/A
Rated Torque:	10.8 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y15 (1.5kW)

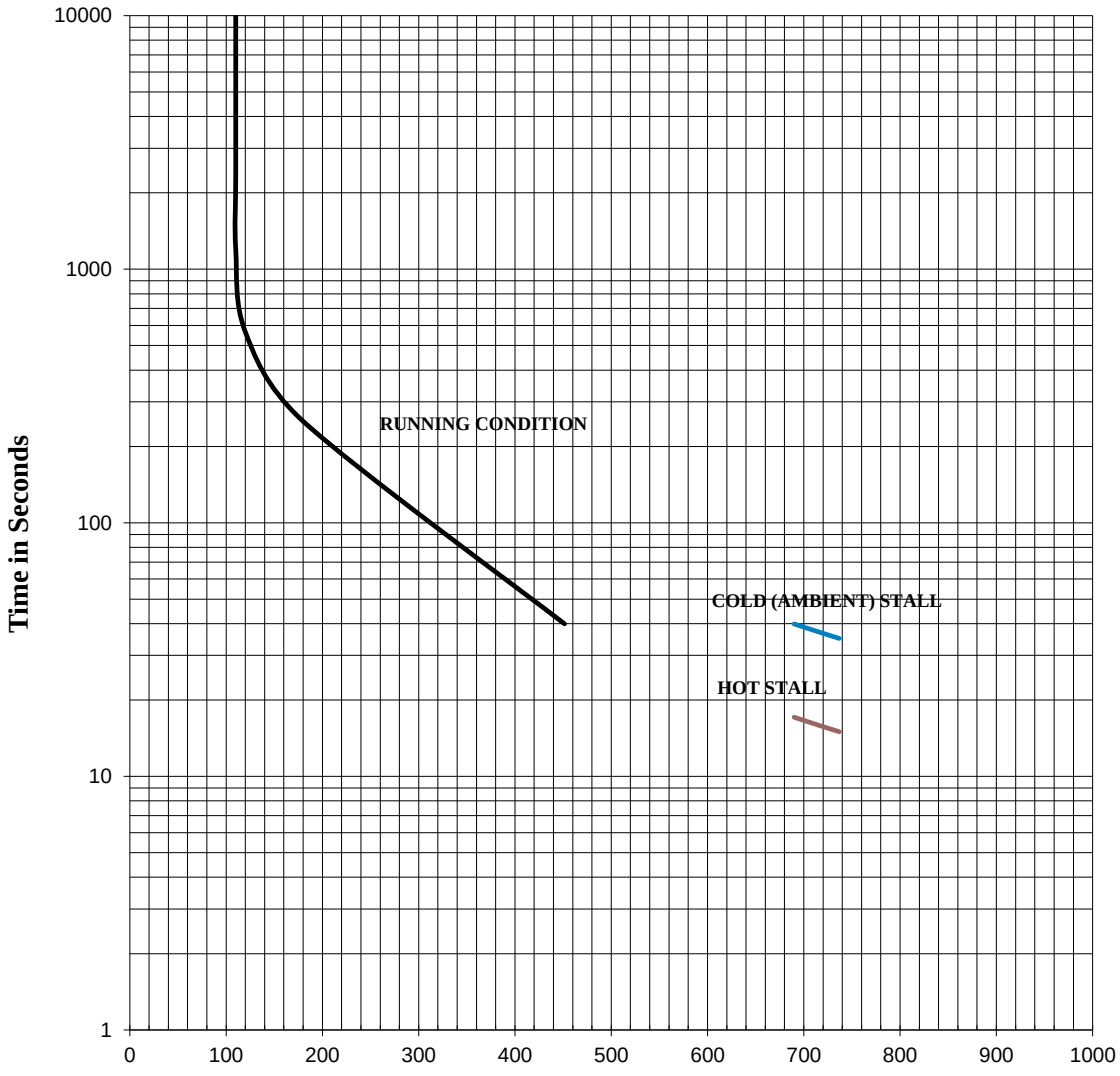
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y156SDMV7HS-PL			***FLAmps:***	6.6/3.8
Enclosure:	TEFC	***Voltage:***	230/400 V	***Frame:***	100L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	1.5	***Rotor Inertia:***	0.39 lb-ft²	***Date:***	6/25/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6Y15 (1.5kW



Comments: PROJECT -

D.E.Curve #: GH6Y15 (1.5kW

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

TOSHIBA INTERNATIONAL CORPORATION
Industrial Division / Houston Motor Plant

INDEX	MPCF-1033
SHEET NO.	1 of 1
ISSUED	7/31/13
SUPERSEDES	11/8/96
REVISION	2
WRITTEN BY	MDC
APPROVED BY	PAA

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:	100L	ENCL:	TEFC	FLAMPS:	6.6/3.8	FLRPM:	970
FORM:	FBKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	Y156SDMV7HS-PL			kW:	1.5		
NOM. EFF.:	82.5	MIN. EFF.:	-	cosØ	0.63		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	50/29	FULL LOAD (lb-ft.):	10.8	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	355	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	520		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	86.8	FULL LOAD:	63.6
3/4 LOAD:	85.5	3/4 LOAD:	55.3
1/2 LOAD:	82.5	1/2 LOAD:	47.0

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

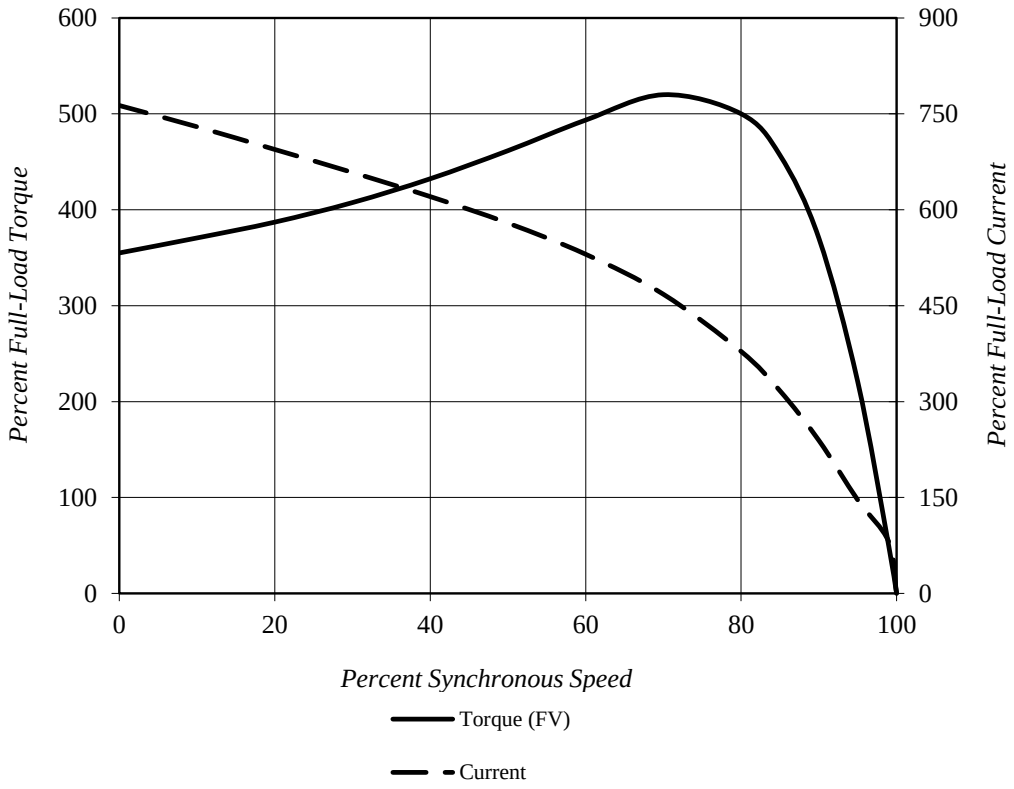
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y156SDMV7HS-PL			***FLAmps:***	6.6/3.8
Enclosure:	TEFC	***Voltage:***	240/415 V	***Frame:***	100L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	1.5	***Rotor Inertia:***	0.39 lb-ft²	***Date:***	6/25/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6Y15 (1.5kW)

Locked Rotor Amps:	50/29 A	***Load Type:***	N/A
Locked Rotor Torque:	355%	***Starting at:***	N/A
Breakdown Torque:	520%	***Accel. Time:***	N/A
Rated Torque:	10.8 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y15 (1.5kW)

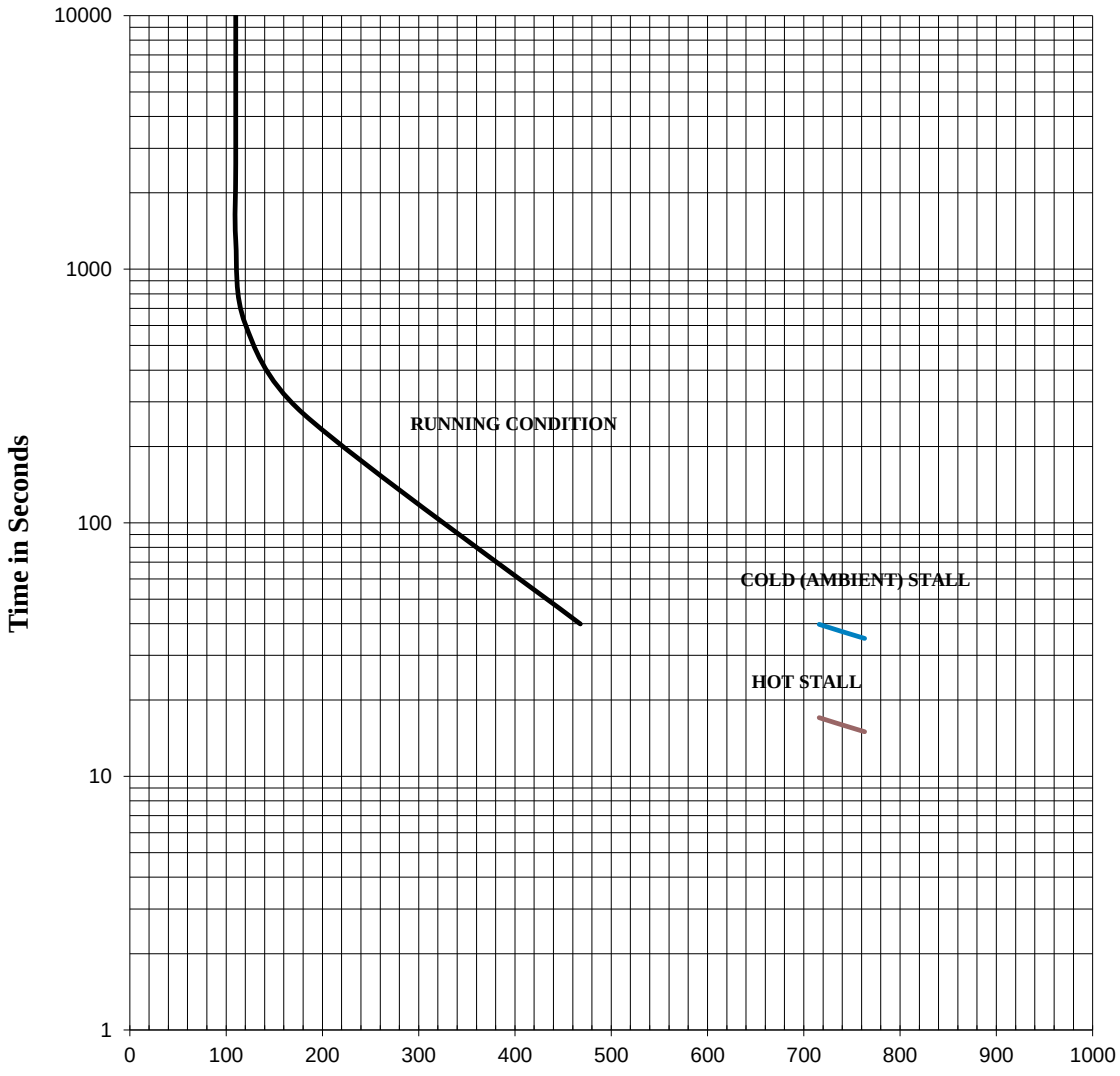
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y156SDMV7HS-PL			***FLAmps:***	6.6/3.8
Enclosure:	TEFC	***Voltage:***	240/415 V	***Frame:***	100L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	1.5	***Rotor Inertia:***	0.39 lb-ft²	***Date:***	6/25/2020
FLRPM:	970	***Load Inertia:***	N/A	***File:***	GH6Y15 (1.5kW



Comments: PROJECT -

D.E.Curve #: GH6Y15 (1.5kW

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

TOSHIBA INTERNATIONAL CORPORATION
Industrial Division / Houston Motor Plant

INDEX	MPCF-1033
SHEET NO.	1 of 1
ISSUED	7/31/13
SUPERSEDES	11/8/96
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:	100L	ENCL:	TEFC	FLAMPS:	6.6/3.8	FLRPM:	965
FORM:	FBKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	Y156SDMV7HS-PL			kW:	1.5		
NOM. EFF.:	82.5	MIN. EFF.:	-	cosØ	0.69		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	45/26	FULL LOAD (lb-ft.):	10.9	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	280	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	445		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	86.5	FULL LOAD:	69.0
3/4 LOAD:	86.0	3/4 LOAD:	61.8
1/2 LOAD:	83.1	1/2 LOAD:	49.9

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: 6/25/2020

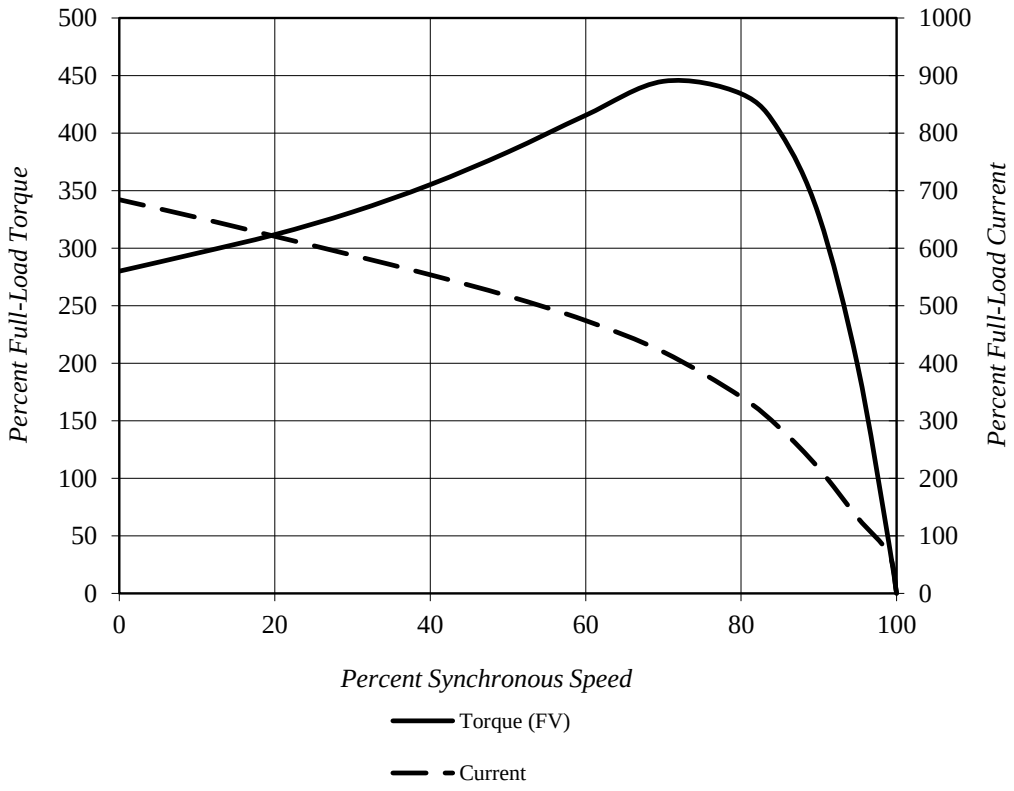
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y156SDMV7HS-PL			***FLAmps:***	6.6/3.8
Enclosure:	TEFC	***Voltage:***	220/380 V	***Frame:***	100L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	1.5	***Rotor Inertia:***	0.39 lb-ft²	***Date:***	6/25/2020
FLRPM:	965	***Load Inertia:***	N/A	***File:***	GH6Y15 (1.5kW

Locked Rotor Amps:	45/26 A	***Load Type:***	N/A
Locked Rotor Torque:	280%	***Starting at:***	N/A
Breakdown Torque:	445%	***Accel. Time:***	N/A
Rated Torque:	10.9 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y15 (1.5kW

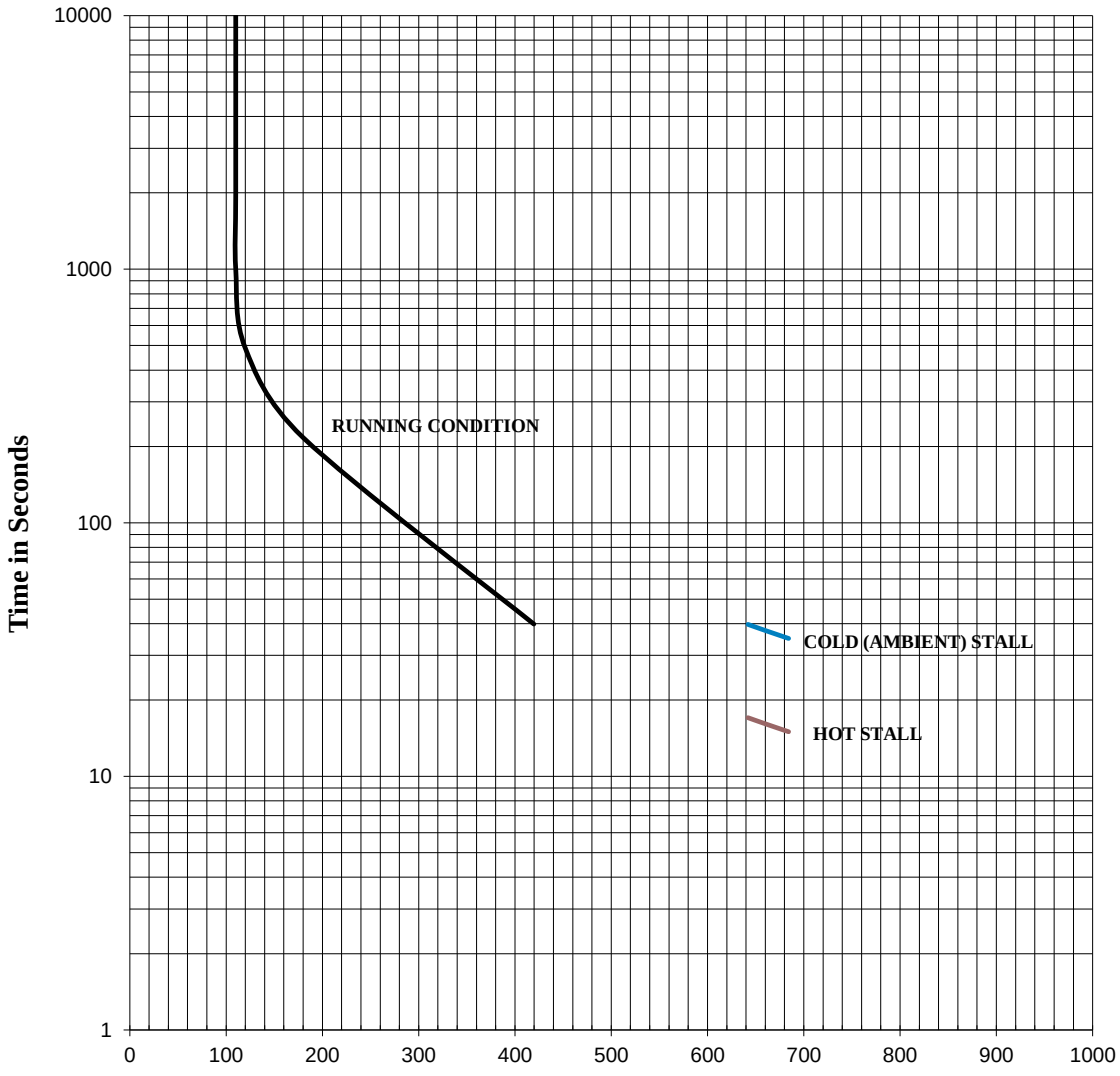
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y156SDMV7HS-PL			***FLAmps:***	6.6/3.8
Enclosure:	TEFC	***Voltage:***	220/380 V	***Frame:***	100L
Pole:	6	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	1.5	***Rotor Inertia:***	0.39 lb-ft²	***Date:***	6/25/2020
FLRPM:	965	***Load Inertia:***	N/A	***File:***	GH6Y15 (1.5kW



Comments: PROJECT -

D.E.Curve #: GH6Y15 (1.5kW

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

TOSHIBA INTERNATIONAL CORPORATION
Industrial Division / Houston Motor Plant

INDEX	MPCF-1033
SHEET NO.	1 of 1
ISSUED	7/31/13
SUPERSEDES	11/8/96
REVISION	2
WRITTEN BY	MDC
APPROVED BY	PAA

SQUIRREL CAGE INDUCTION MOTOR
PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	2	VOLTS:	460	3 PH /	60 Hz	S. RPM:	1200
FRAME:	100L	ENCL:	TEFC	FLAMPS:	3.4	FLRPM:	1175
FORM:	FBKL1	S.F.:	1.15	NEMA DESIGN:	A	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	M	DUTY:	Cont.
MODEL No.:	Y156SDMV7HS-PL			kW:	1.5		
NOM. EFF.:	88.5	MIN. EFF.:	-	P.F.:	62.0		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	27	FULL LOAD (lb-ft.):	8.9	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	375	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	520		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	87.8	FULL LOAD:	62.4
3/4 LOAD:	86.2	3/4 LOAD:	54.4
1/2 LOAD:	82.1	1/2 LOAD:	42.6

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: 6/9/2020

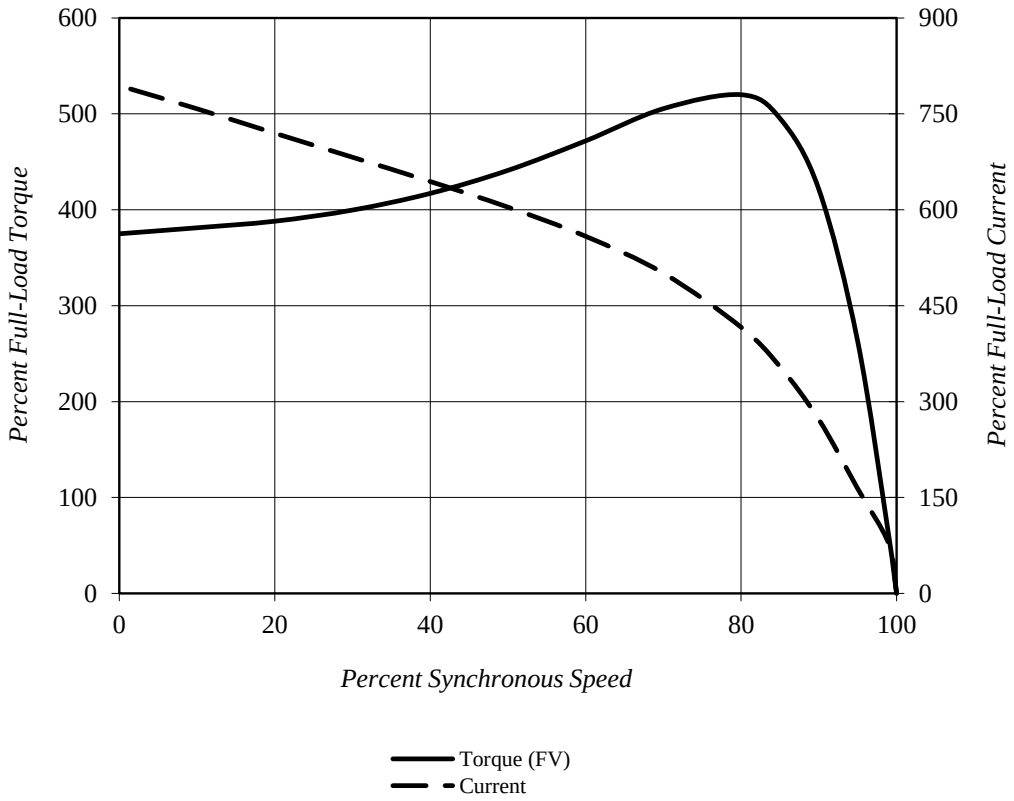
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y156SDMV7HS-PL			***FLAmps:***	3.4
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	100L
Pole:	6	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	2	***Rotor Inertia:***	0.39 lb-ft²	***Date:***	6/9/2020
FLRPM:	1175	***Load Inertia:***	N/A	***File:***	GH6Y15 (1.5kW

Locked Rotor Amps:	27 A	***Load Type:***	N/A
Locked Rotor Torque:	375%	***Starting at:***	N/A
Breakdown Torque:	520%	***Accel. Time:***	N/A
Rated Torque:	8.9 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6Y15 (1.5kW

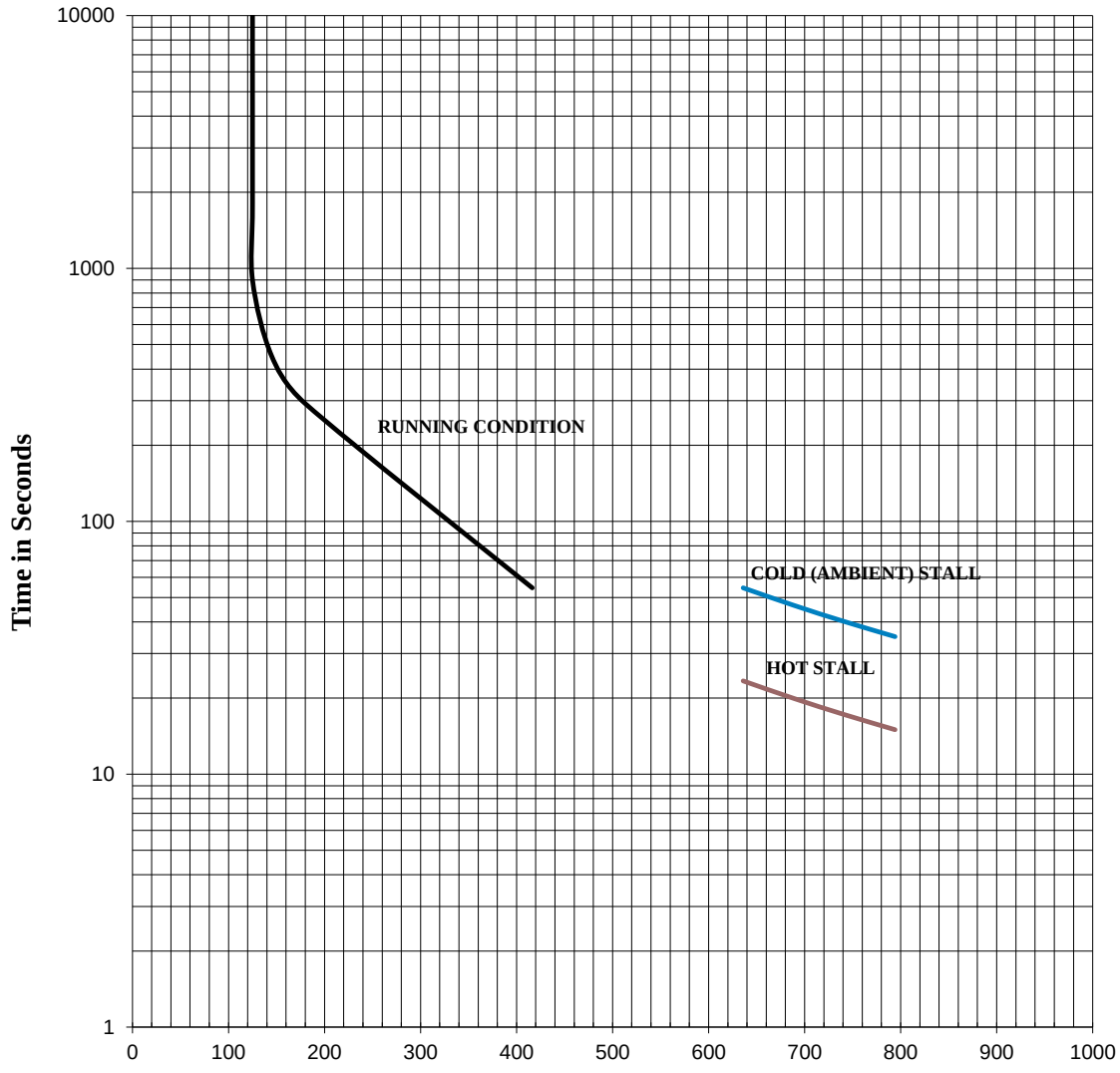
	Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y156SDMV7HS-PL			***FLAmps:***	3.4
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	100L
Pole:	6	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	2	***Rotor Inertia:***	0.39 lb-ft²	***Date:***	6/9/2020
FLRPM:	1175	***Load Inertia:***	N/A	***File:***	GH6Y15 (1.5kW



Comments: PROJECT -

D.E.Curve #: GH6Y15 (1.5kW

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