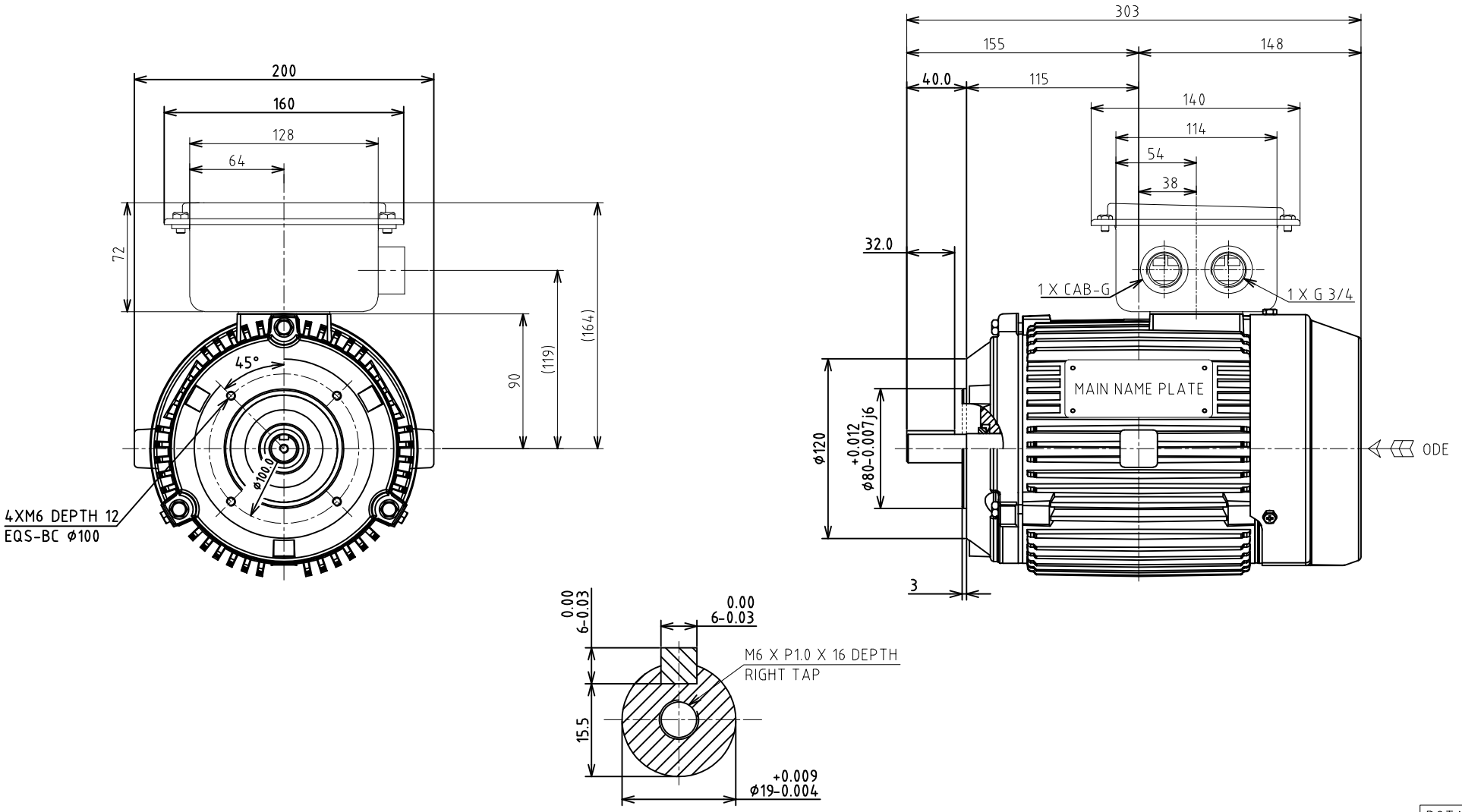

UNIT: mm

ROTATION: CCW
VIEW FROM: ODE

B14-FLANGE MOTOR
OL DRAWING IEC GLOBAL

TYPE: 2-4-6P - 400V
FRAME: 80M

3HFN000313

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 P dimension and KEY length	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:	3000
FRAME:	80M	ENCL:	TEFC	FLAMPS:	2.8/1.6	FLRPM:	2865
FORM:	FCKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	X752SDMV7KS-P			kW:	0.75		
NOM. EFF.:	80.7	MIN. EFF.:	-	cosØ	0.86		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	16/9.5	FULL LOAD (lb-ft.):	1.8	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	195	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	300		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	80.0	FULL LOAD:	86.6
3/4 LOAD:	80.8	3/4 LOAD:	79.8
1/2 LOAD:	78.4	1/2 LOAD:	67.8

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: 12/26/2019

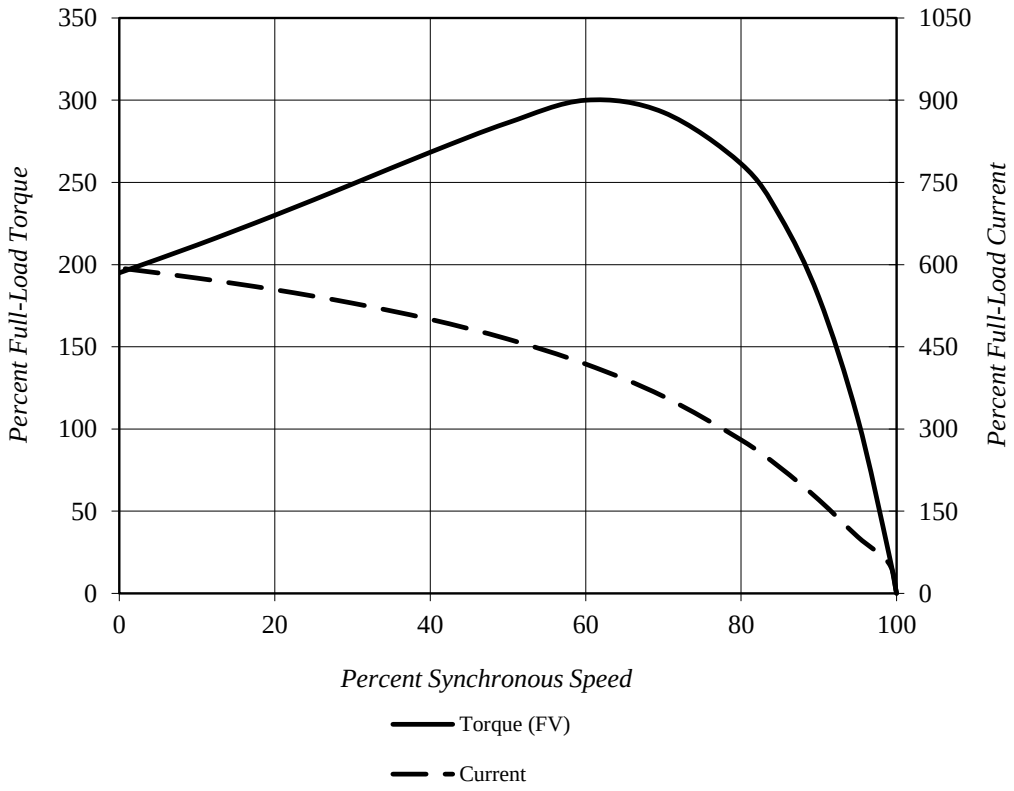
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	X752SDMV7KS-P			***FLAmps:***	2.8/1.6
Enclosure:	TEFC	***Voltage:***	230/400 V	***Frame:***	80M
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	0.75	***Rotor Inertia:***	0.03 lb-ft²	***Date:***	12/26/2019
FLRPM:	2865	***Load Inertia:***	N/A	***File:***	H2X75 (0.75kW

Locked Rotor Amps:	16/9.5 A	***Load Type:***	N/A
Locked Rotor Torque:	195%	***Starting at:***	N/A
Breakdown Torque:	300%	***Accel. Time:***	N/A
Rated Torque:	1.8 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: H2X75 (0.75kW

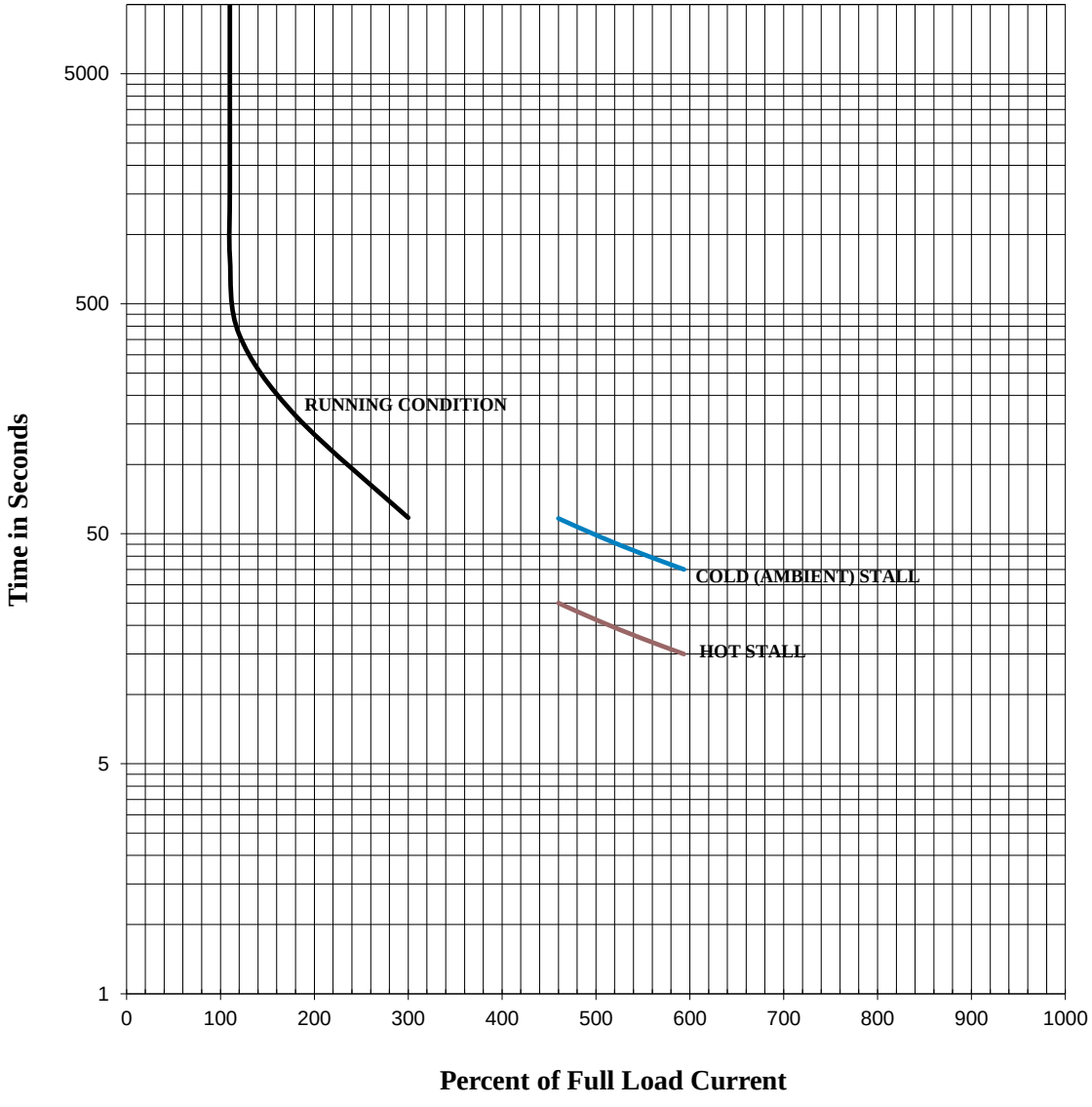
	Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	X752SDMV7KS-P			***FLAmps:***	2.8/1.6
Enclosure:	TEFC	***Voltage:***	230/400 V	***Frame:***	80M
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	0.75	***Rotor Inertia:***	0.03 lb-ft²	***Date:***	12/26/2019
FLRPM:	2865	***Load Inertia:***	N/A	***File:***	H2X75 (0.75kW



Comments: PROJECT -

D.E.Curve #: H2X75 (0.75kW

	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:	3000
FRAME:	80M	ENCL:	TEFC	FLAMPS:	2.6/1.5	FLRPM:	2885
FORM:	FCKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	X752SDMV7KS-P			kW:	0.75		
NOM. EFF.:	80.7	MIN. EFF.:	-	cosØ	0.85		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	16/9.2	FULL LOAD (lb-ft.):	1.8	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	200	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	320		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	81.1	FULL LOAD:	85.2
3/4 LOAD:	81.2	3/4 LOAD:	77.4
1/2 LOAD:	77.9	1/2 LOAD:	64.0

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: 12/26/2019

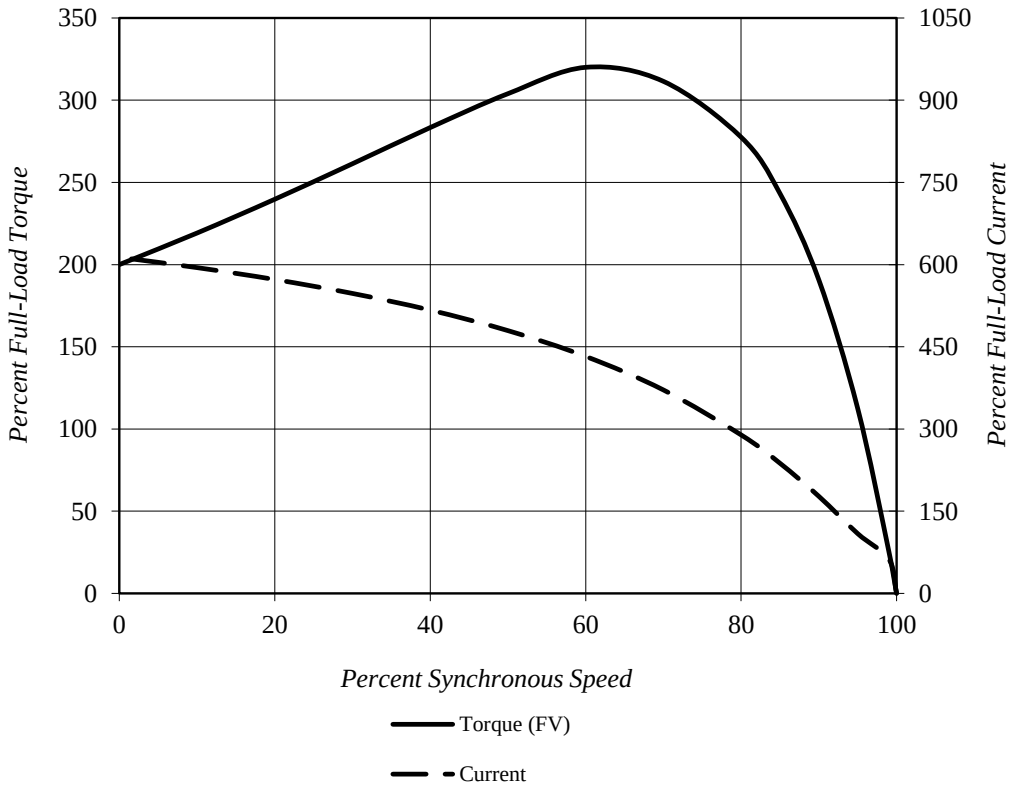
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	X752SDMV7KS-P			***FLAmps:***	2.6/1.5
Enclosure:	TEFC	***Voltage:***	240/415 V	***Frame:***	80M
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	0.75	***Rotor Inertia:***	0.03 lb-ft²	***Date:***	12/26/2019
FLRPM:	2885	***Load Inertia:***	N/A	***File:***	H2X75 (0.75kW

Locked Rotor Amps:	16/9.2 A	***Load Type:***	N/A
Locked Rotor Torque:	200%	***Starting at:***	N/A
Breakdown Torque:	320%	***Accel. Time:***	N/A
Rated Torque:	1.8 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: H2X75 (0.75kW

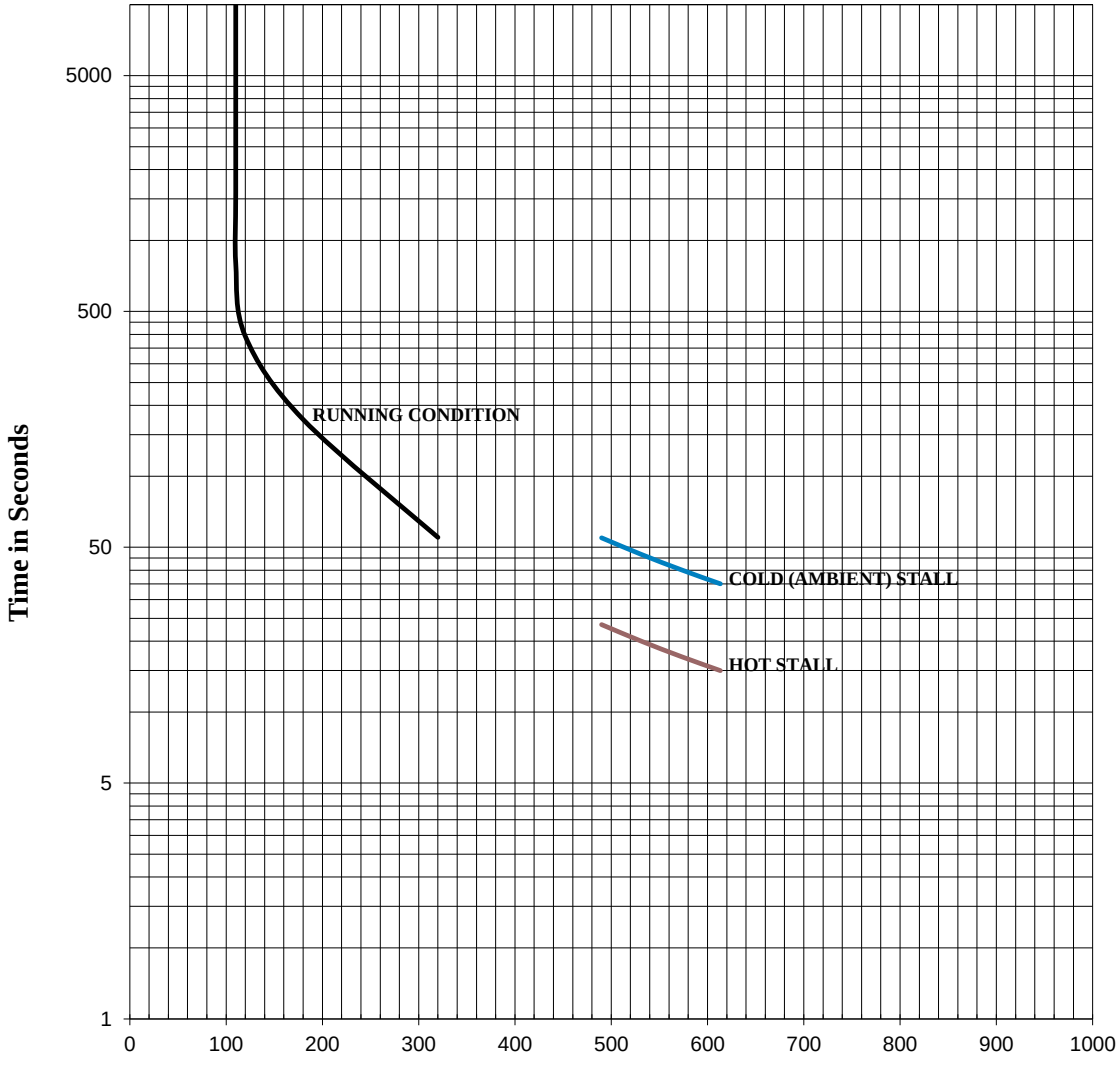
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	X752SDMV7KS-P			***FLAmps:***	2.6/1.5
Enclosure:	TEFC	***Voltage:***	240/415 V	***Frame:***	80M
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	0.75	***Rotor Inertia:***	0.03 lb-ft²	***Date:***	12/26/2019
FLRPM:	2885	***Load Inertia:***	N/A	***File:***	GH2X75 (0.75kW



Comments: PROJECT -

D.E.Curve #: GH2X75 (0.75kW

	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:	3000
FRAME:	80M	ENCL:	TEFC	FLAMPS:	2.8/1.6	FLRPM:	2850
FORM:	FCKL1	S.F.:	-	IEC DESIGN	N	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	X752SDMV7KS-P			kW:	0.75		
NOM. EFF.:	80.7	MIN. EFF.:	-	cosØ	0.88		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	16/9.0	FULL LOAD (lb-ft.):	1.9	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	175	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	270		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	79.3	FULL LOAD:	89.8
3/4 LOAD:	81.1	3/4 LOAD:	84.8
1/2 LOAD:	79.9	1/2 LOAD:	74.5

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: 12/26/2019

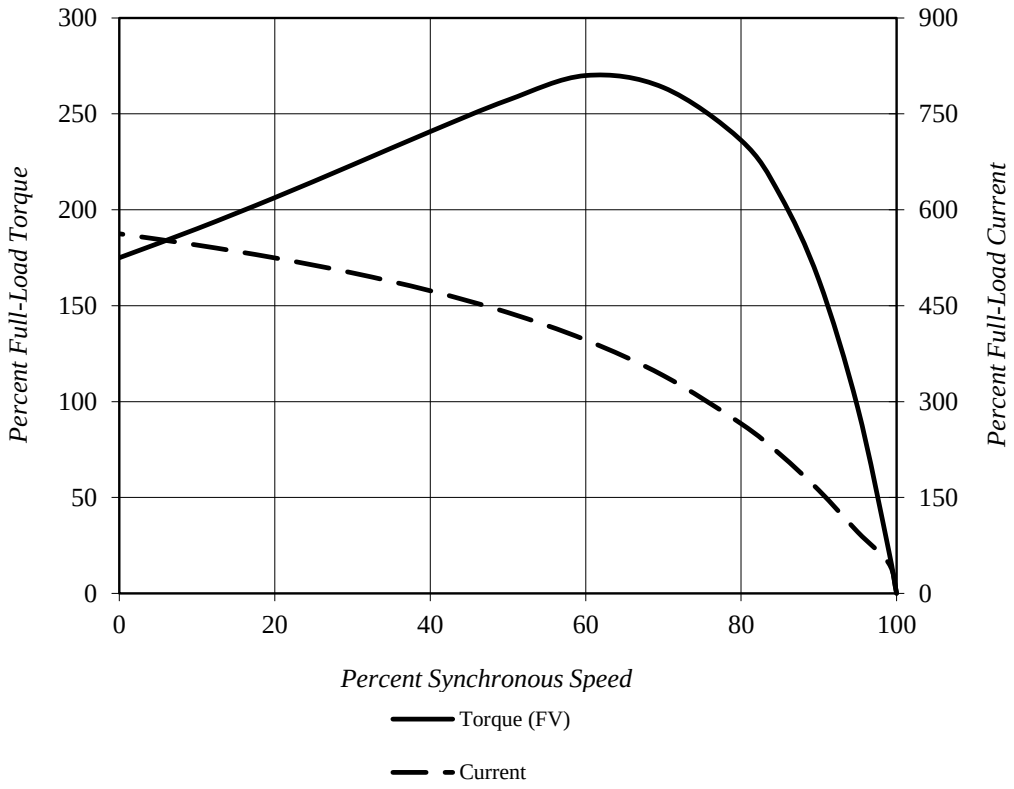
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	X752SDMV7KS-P			***FLAmps:***	2.8/1.6
Enclosure:	TEFC	***Voltage:***	220/380 V	***Frame:***	80M
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	0.75	***Rotor Inertia:***	0.03 lb-ft²	***Date:***	12/26/2019
FLRPM:	2850	***Load Inertia:***	N/A	***File:***	H2X75 (0.75kW

Locked Rotor Amps:	16/9.0 A	***Load Type:***	N/A
Locked Rotor Torque:	175%	***Starting at:***	N/A
Breakdown Torque:	270%	***Accel. Time:***	N/A
Rated Torque:	1.9 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: H2X75 (0.75kW

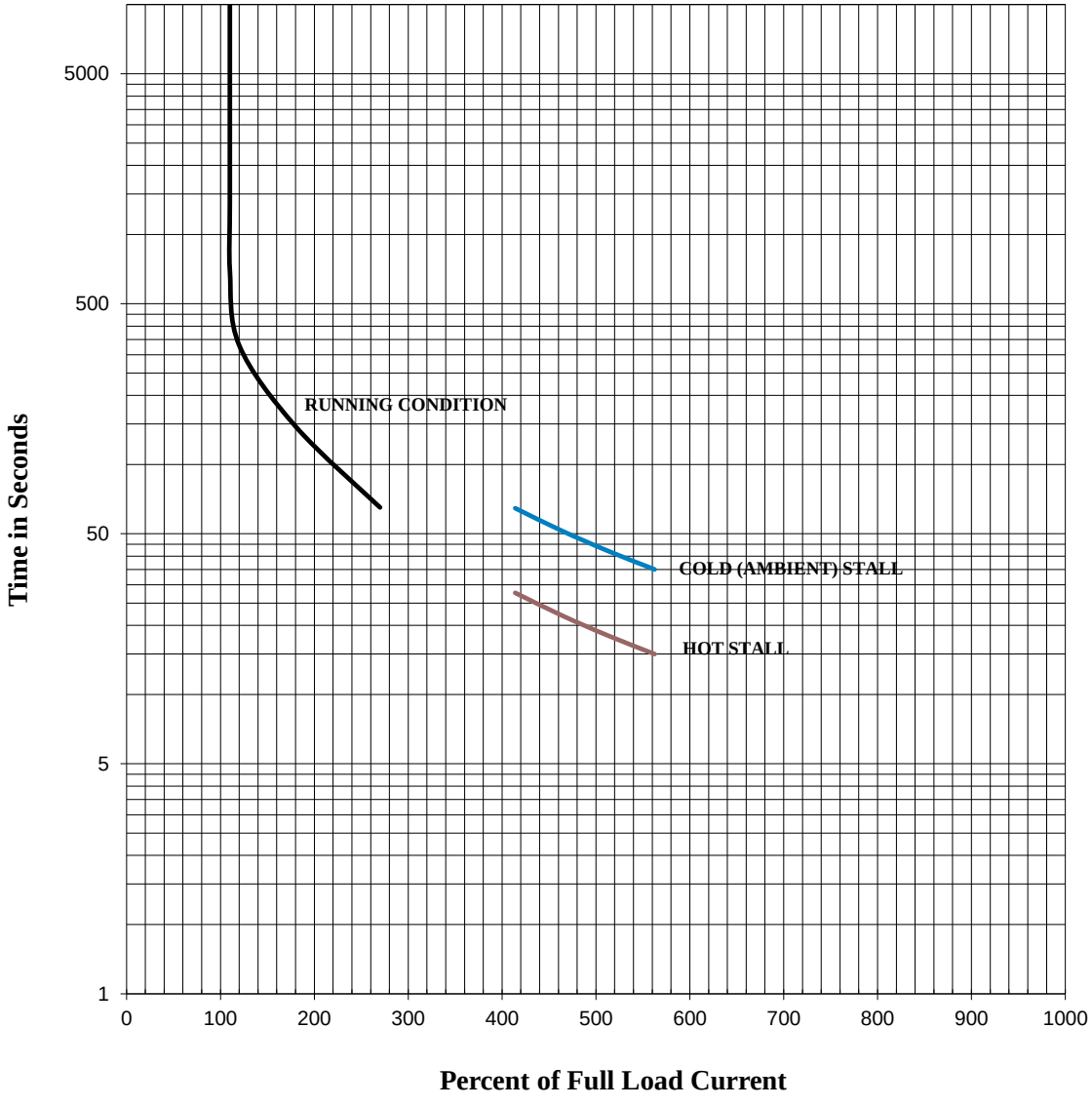
	Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	X752SDMV7KS-P			***FLAmps:***	2.8/1.6
Enclosure:	TEFC	***Voltage:***	220/380 V	***Frame:***	80M
Pole:	2	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	0.75	***Rotor Inertia:***	0.03 lb-ft²	***Date:***	12/26/2019
FLRPM:	2850	***Load Inertia:***	N/A	***File:***	H2X75 (0.75kW



Comments: PROJECT -

D.E.Curve #: H2X75 (0.75kW

	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.:	1	VOLTS:	460	3 PH /	60 Hz	S. RPM:	3600
FRAME:	80M	ENCL:	TEFC	FLAMPS:	1.3	FLRPM:	3495
FORM:	FCKL1	S.F.:	1.15	NEMA DESIGN:	B	INSUL CLASS:	F
TYPE:	IKH	AMB.:	40°C	CODE:	J	DUTY:	Cont.
MODEL No.:	X752SDMV7KS-P			kW:	0.75		
NOM. EFF.:	77.0	MIN. EFF.:	-	P.F.:	84.5		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	9.8	FULL LOAD (lb-ft.):	1.5	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	250	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	325		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	83.5	FULL LOAD:	84.9
3/4 LOAD:	83.0	3/4 LOAD:	78.4
1/2 LOAD:	79.5	1/2 LOAD:	66.4

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: 12/26/2019

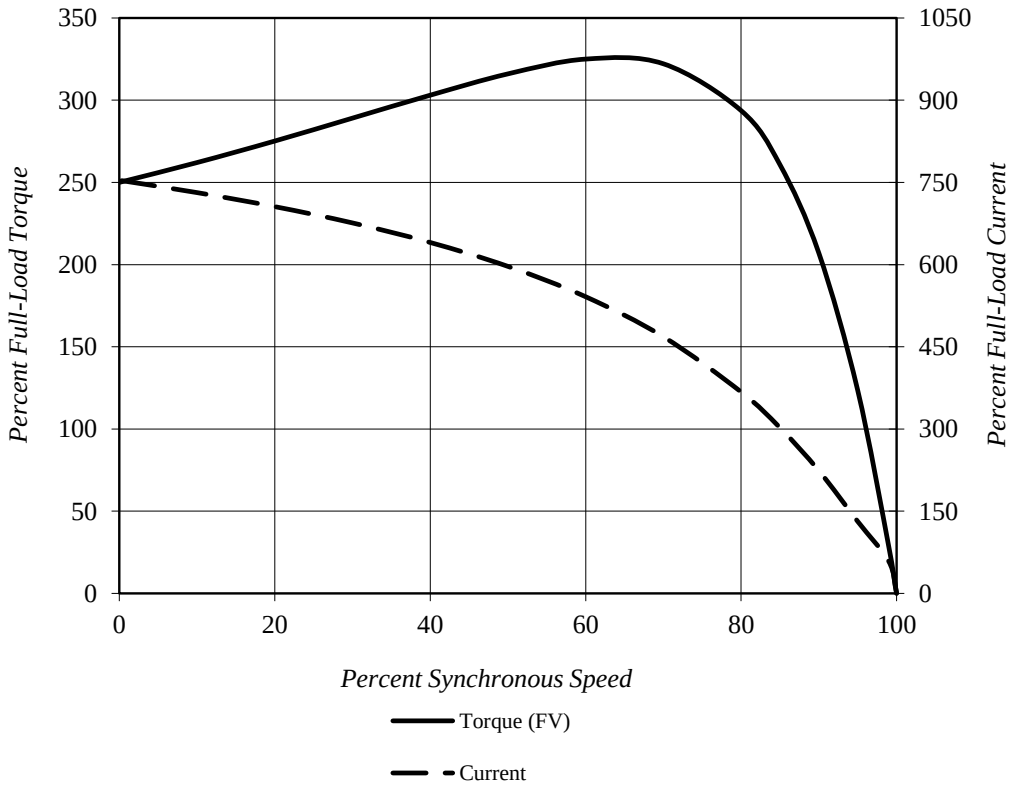
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	X752SDMV7KS-P			***FLAmps:***	1.3
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	80M
Pole:	2	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	1	***Rotor Inertia:***	0.03 lb-ft²	***Date:***	12/26/2019
FLRPM:	3495	***Load Inertia:***	N/A	***File:***	H2X75 (0.75kW

Locked Rotor Amps:	9.8 A	***Load Type:***	N/A
Locked Rotor Torque:	250%	***Starting at:***	N/A
Breakdown Torque:	325%	***Accel. Time:***	N/A
Rated Torque:	1.5 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: H2X75 (0.75kW

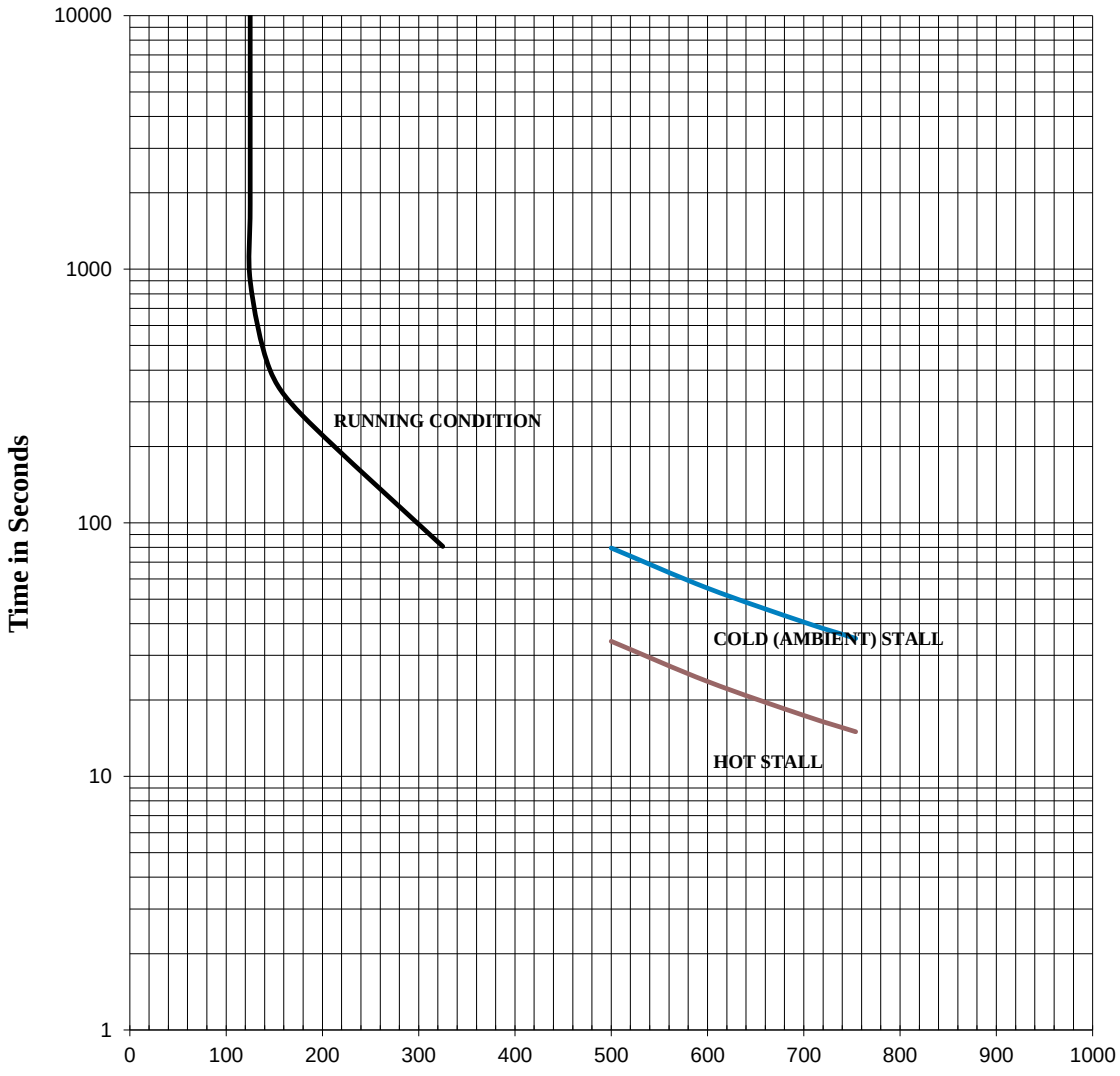
	Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	X752SDMV7KS-P			***FLAmps:***	1.3
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	80M
Pole:	2	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	1	***Rotor Inertia:***	0.03 lb-ft²	***Date:***	12/26/2019
FLRPM:	3495	***Load Inertia:***	N/A	***File:***	H2X75 (0.75kW



Comments: PROJECT -

D.E.Curve #: H2X75 (0.75kW

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