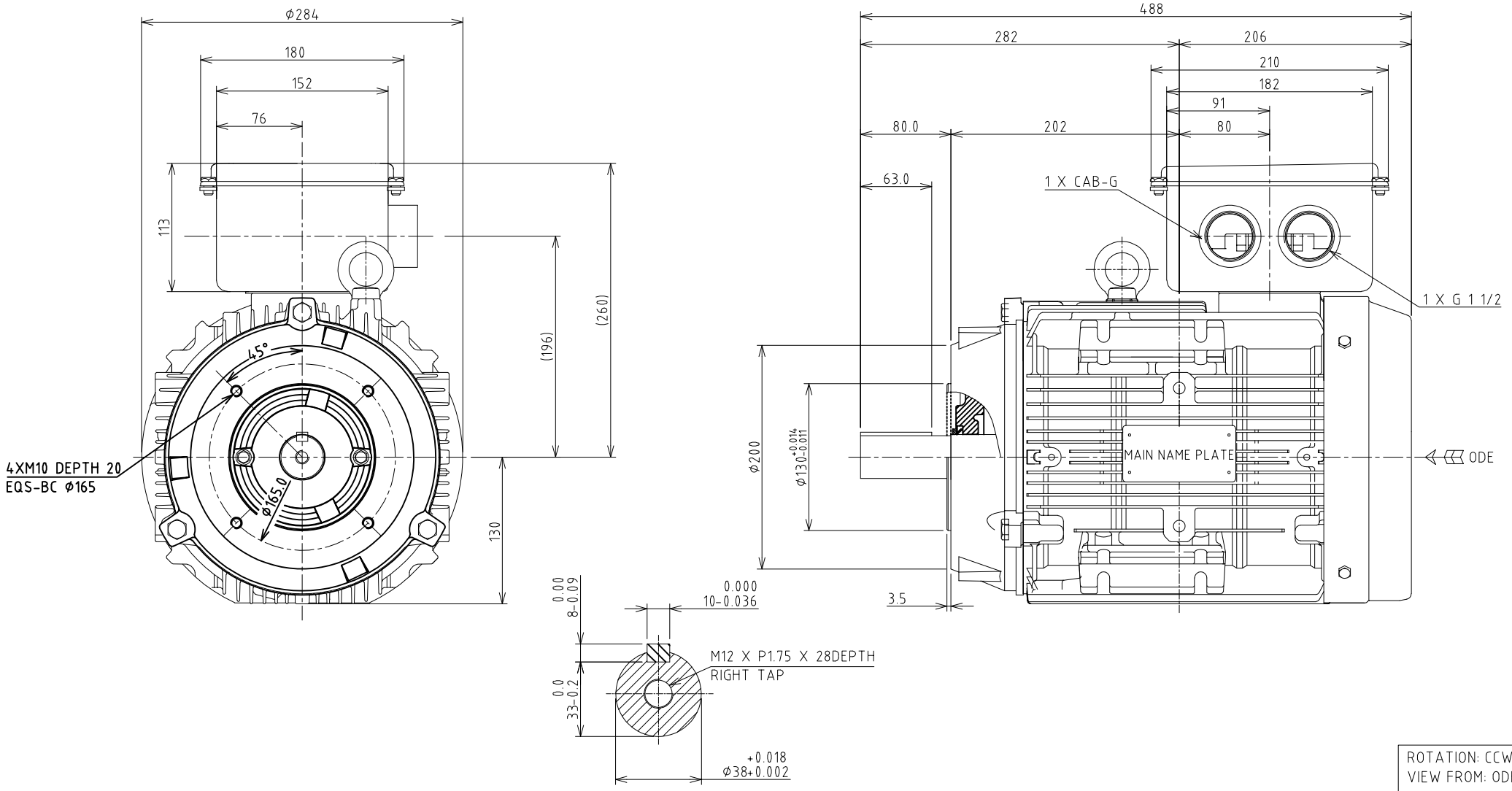

ROTATION: CCW
VIEW FROM: ODE

UNIT: mm

B14-FLANGE MOTOR
OL DRAWING IEC GLOBAL

TYPE: 2-4-6P - 400V
FRAME: 132M

3HFN000318

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 KEY length dimension	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:	1500
FRAME:	132M	ENCL:	TEFC	FLAMPS:	26/14.8	FLRPM:	1465
FORM:	FBKL1	S.F.:	-	IEC DESIGN	NE	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	Y754SDMV7KS-PL			kW:	7.5		
NOM. EFF.:	90.4	MIN. EFF.:	-	cosØ	0.80		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	211/122	FULL LOAD (lb-ft.):	36	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	395	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	395		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	90.8	FULL LOAD:	80.6
3/4 LOAD:	90.4	3/4 LOAD:	75.5
1/2 LOAD:	88.5	1/2 LOAD:	64.9

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: 10/18/2019

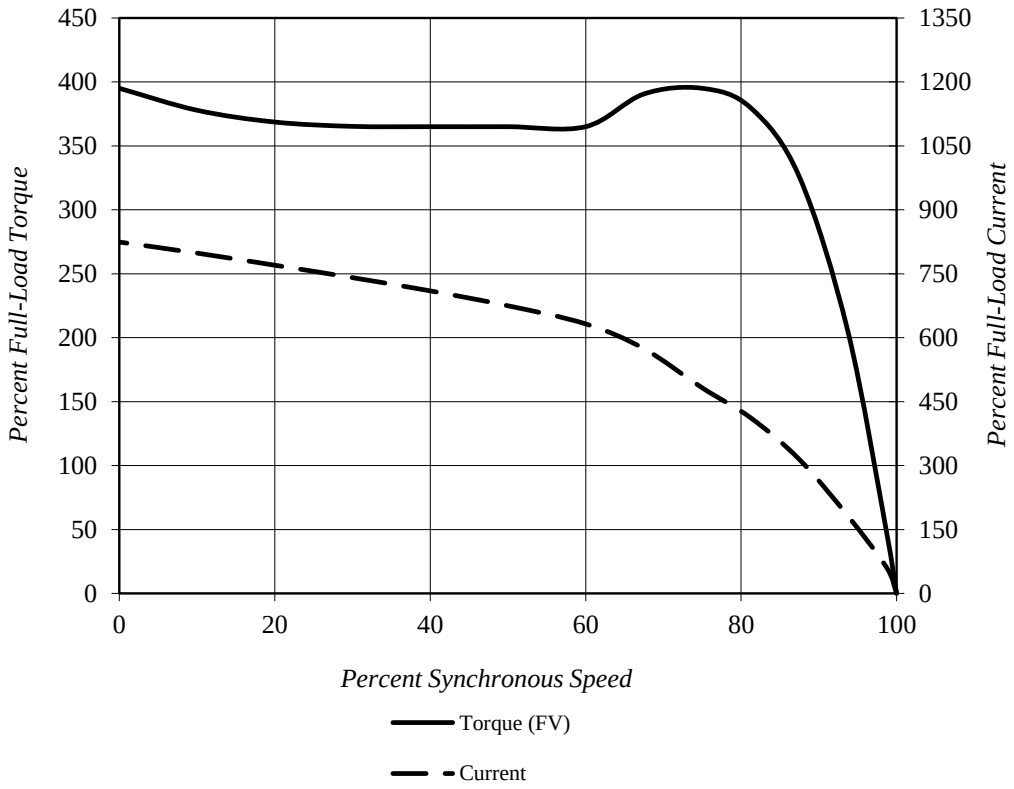
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y754SDMV7KS-PL			***FLAmps:***	26/14.8
Enclosure:	TEFC	***Voltage:***	230/400 V	***Frame:***	132M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	7.5	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	10/18/2019
FLRPM:	1465	***Load Inertia:***	N/A	***File:***	GH4Y75 (7.5kW

Locked Rotor Amps:	211/122 A	***Load Type:***	N/A
Locked Rotor Torque:	395%	***Starting at:***	N/A
Breakdown Torque:	395%	***Accel. Time:***	N/A
Rated Torque:	36 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH4Y75 (7.5kW

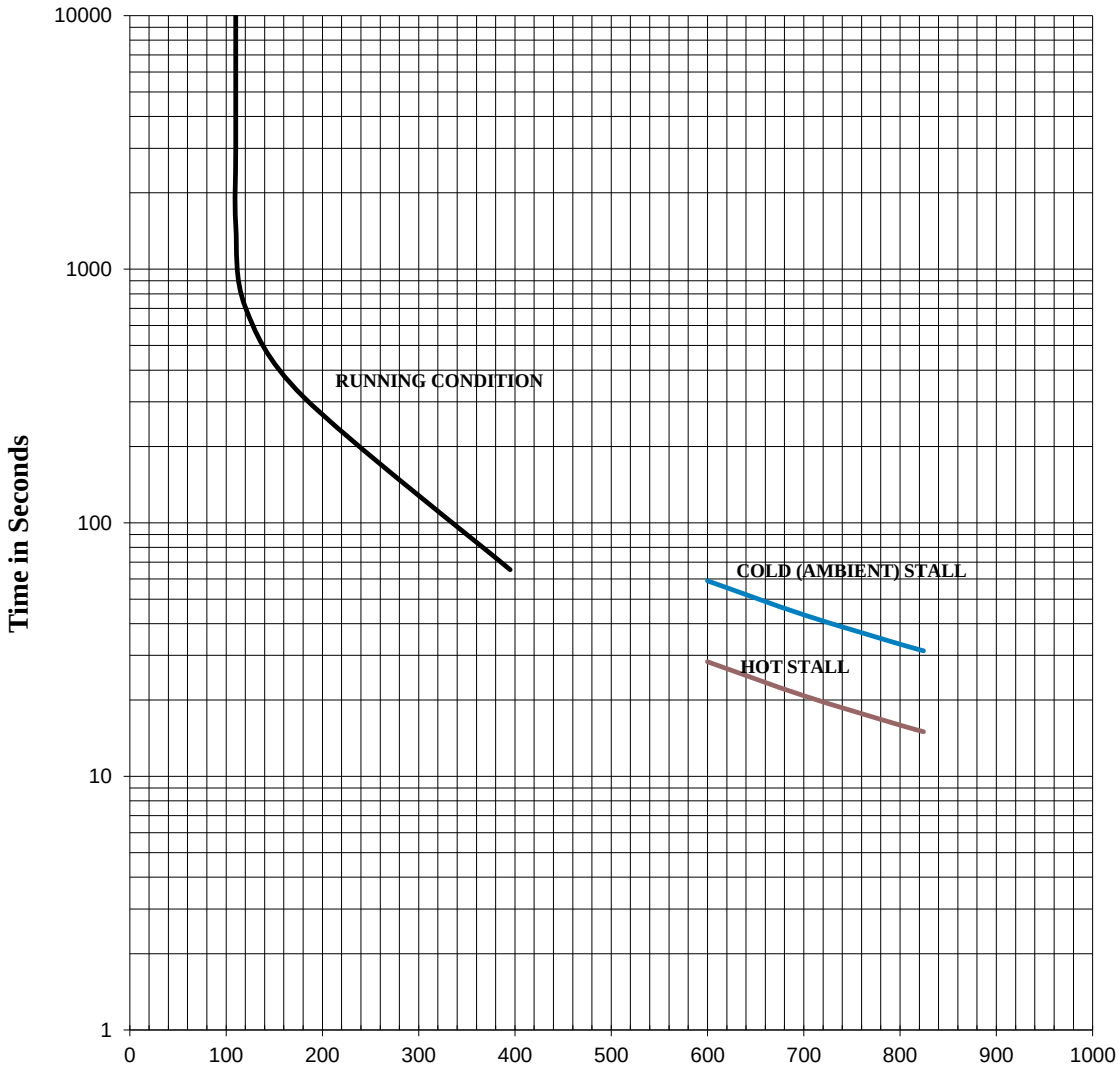
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y754SDMV7KS-PL			***FLAmps:***	26/14.8
Enclosure:	TEFC	***Voltage:***	230/400 V	***Frame:***	132M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	7.5	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	10/18/2019
FLRPM:	1465	***Load Inertia:***	N/A	***File:***	GH4Y75 (7.5kW



Comments: PROJECT -

D.E.Curve #: GH4Y75 (7.5kW

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:	1500
FRAME:	132M	ENCL:	TEFC	FLAMPS:	25/14.7	FLRPM:	1465
FORM:	FBKL1	S.F.:	-	IEC DESIGN	NE	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	Y754SDMV7KS-PL			kW:	7.5		
NOM. EFF.:	90.4	MIN. EFF.:	-	cosØ	0.78		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	222/128	FULL LOAD (lb-ft.):	36	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	430	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	425		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	91.1	FULL LOAD:	78.2
3/4 LOAD:	90.5	3/4 LOAD:	72.0
1/2 LOAD:	88.2	1/2 LOAD:	60.3

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: 10/18/2019

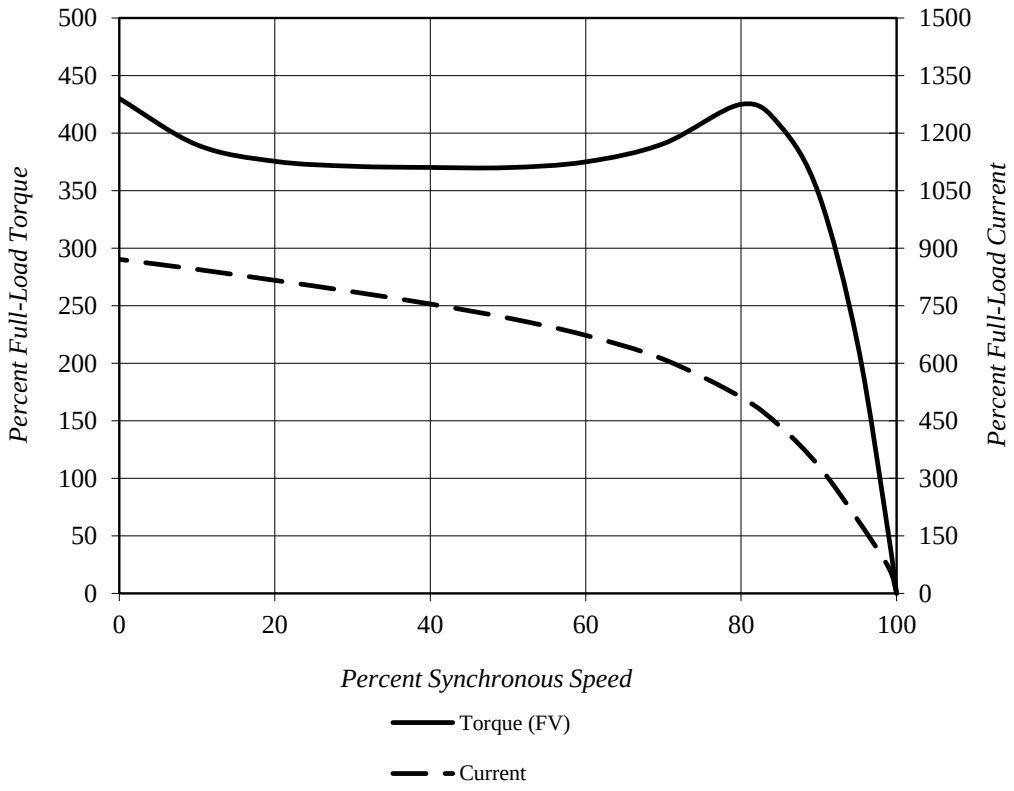
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y754SDMV7KS-PL			***FLAmps:***	25/14.7
Enclosure:	TEFC	***Voltage:***	240/415 V	***Frame:***	132M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	7.5	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	10/18/2019
FLRPM:	1465	***Load Inertia:***	N/A	***File:***	GH4Y75 (7.5kW

Locked Rotor Amps:	222/128 A	***Load Type:***	N/A
Locked Rotor Torque:	430%	***Starting at:***	N/A
Breakdown Torque:	425%	***Accel. Time:***	N/A
Rated Torque:	36 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH4Y75 (7.5kW

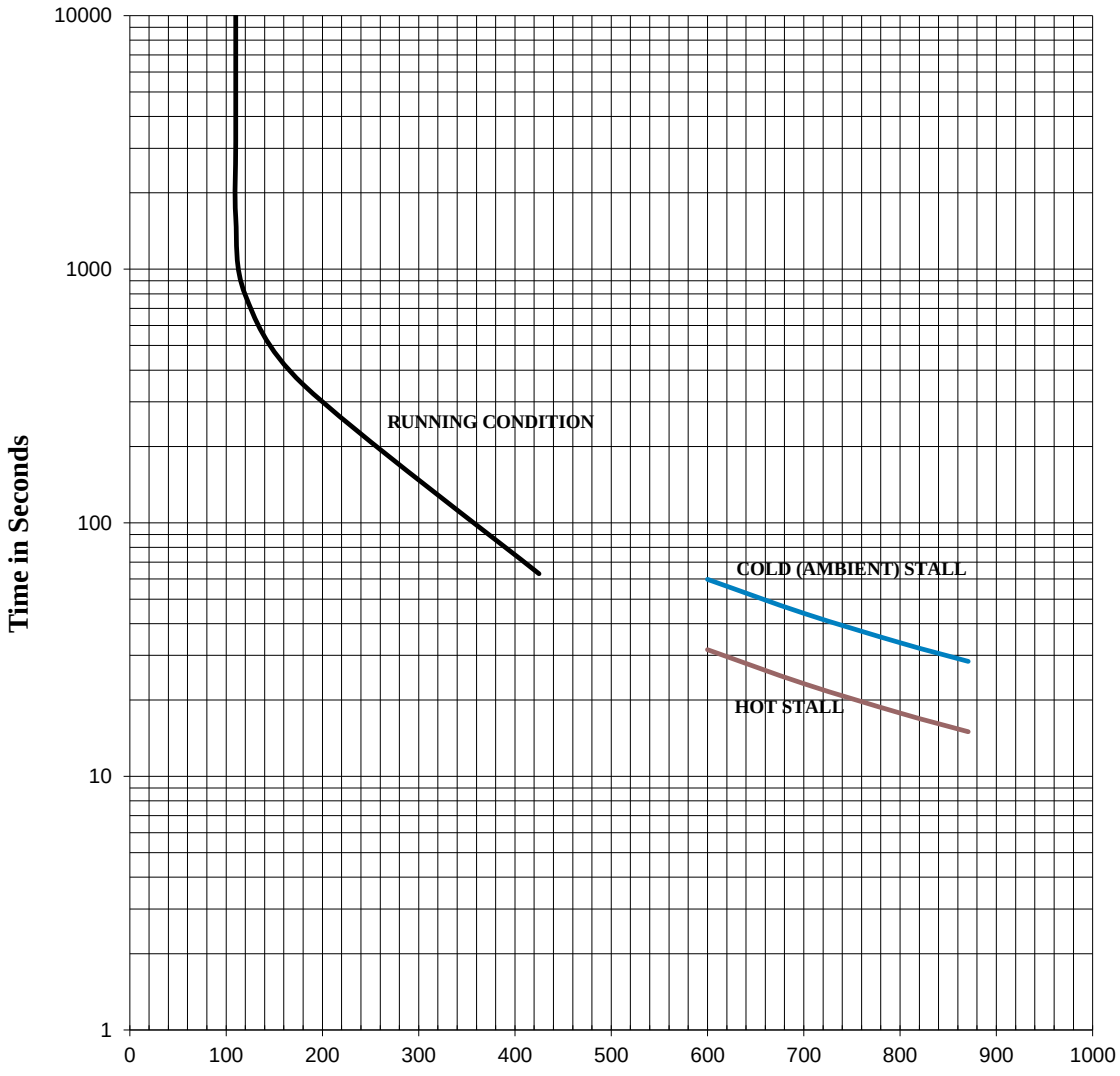
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y754SDMV7KS-PL			***FLAmps:***	25/14.7
Enclosure:	TEFC	***Voltage:***	240/415 V	***Frame:***	132M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	7.5	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	10/18/2019
FLRPM:	1465	***Load Inertia:***	N/A	***File:***	GH4Y75 (7.5kW



Comments: PROJECT -

D.E.Curve #: GH4Y75 (7.5kW

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:	1500
FRAME:	132M	ENCL:	TEFC	FLAMPS:	26/15.2	FLRPM:	1460
FORM:	FBKL1	S.F.:	-	IEC DESIGN	NE	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	Y754SDMV7KS-PL			kW:	7.5		
NOM. EFF.:	90.4	MIN. EFF.:	-	cosØ	0.83		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	199/115	FULL LOAD (lb-ft.):	36	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	350	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	360		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	90.4	FULL LOAD:	83.0
3/4 LOAD:	90.3	3/4 LOAD:	79.1
1/2 LOAD:	88.8	1/2 LOAD:	70.2

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: 10/18/2019

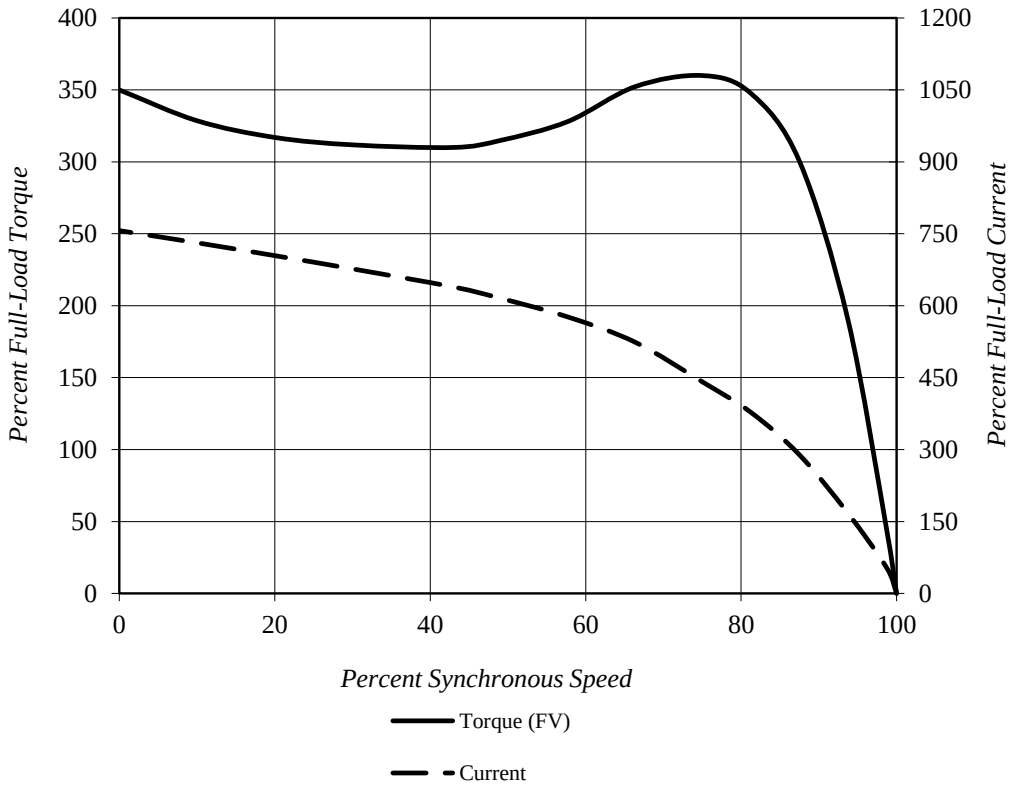
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y754SDMV7KS-PL			***FLAmps:***	26/15.2
Enclosure:	TEFC	***Voltage:***	220/380 V	***Frame:***	132M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	7.5	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	10/18/2019
FLRPM:	1460	***Load Inertia:***	N/A	***File:***	GH4Y75 (7.5kW

Locked Rotor Amps:	199/115 A	***Load Type:***	N/A
Locked Rotor Torque:	350%	***Starting at:***	N/A
Breakdown Torque:	360%	***Accel. Time:***	N/A
Rated Torque:	36 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH4Y75 (7.5kW

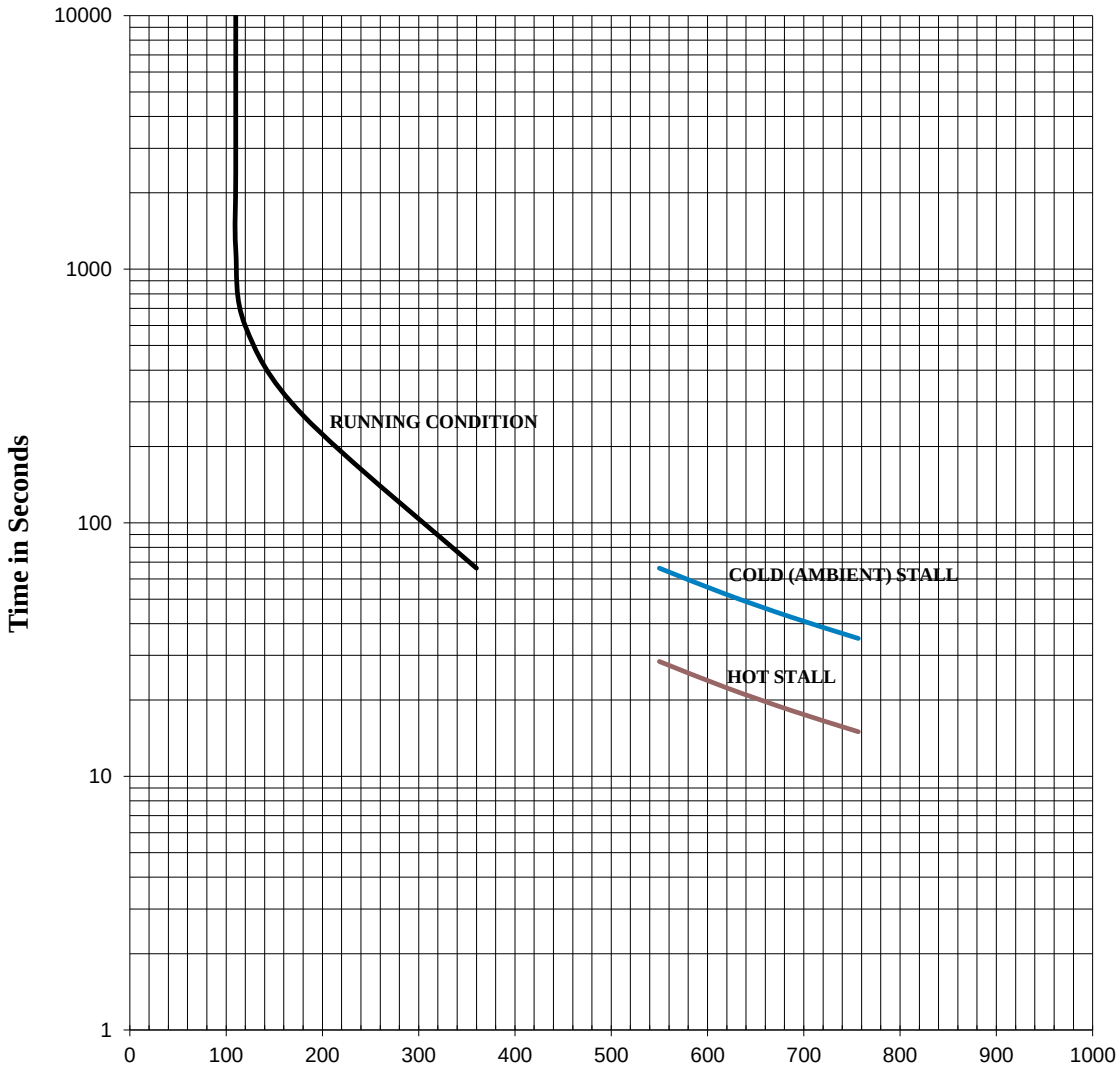
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y754SDMV7KS-PL			***FLAmps:***	26/15.2
Enclosure:	TEFC	***Voltage:***	220/380 V	***Frame:***	132M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	7.5	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	10/18/2019
FLRPM:	1460	***Load Inertia:***	N/A	***File:***	GH4Y75 (7.5kW



Comments: PROJECT -

D.E.Curve #: GH4Y75 (7.5kW

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

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SQUIRREL CAGE INDUCTION MOTOR
PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	10	VOLTS:	460	3 PH /	60 Hz	S. RPM:	1800
FRAME:	132M	ENCL:	TEFC	FLAMPS:	13.1	FLRPM:	1770
FORM:	FBKL1	S.F.:	1.15	NEMA DESIGN:	A	INSUL CLASS:	F
TYPE:	IKKH	AMB.:	40°C	CODE:	L	DUTY:	Cont.
MODEL No.:	Y754SDMV7KS-PL			kW:	7.5		
NOM. EFF.:	91.7	MIN. EFF.:	-	P.F.:	78.5		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	125	FULL LOAD (lb-ft.):	30	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	405	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	410		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	91.3	FULL LOAD:	78.8
3/4 LOAD:	90.4	3/4 LOAD:	73.5
1/2 LOAD:	87.9	1/2 LOAD:	62.8

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: 10/18/2019

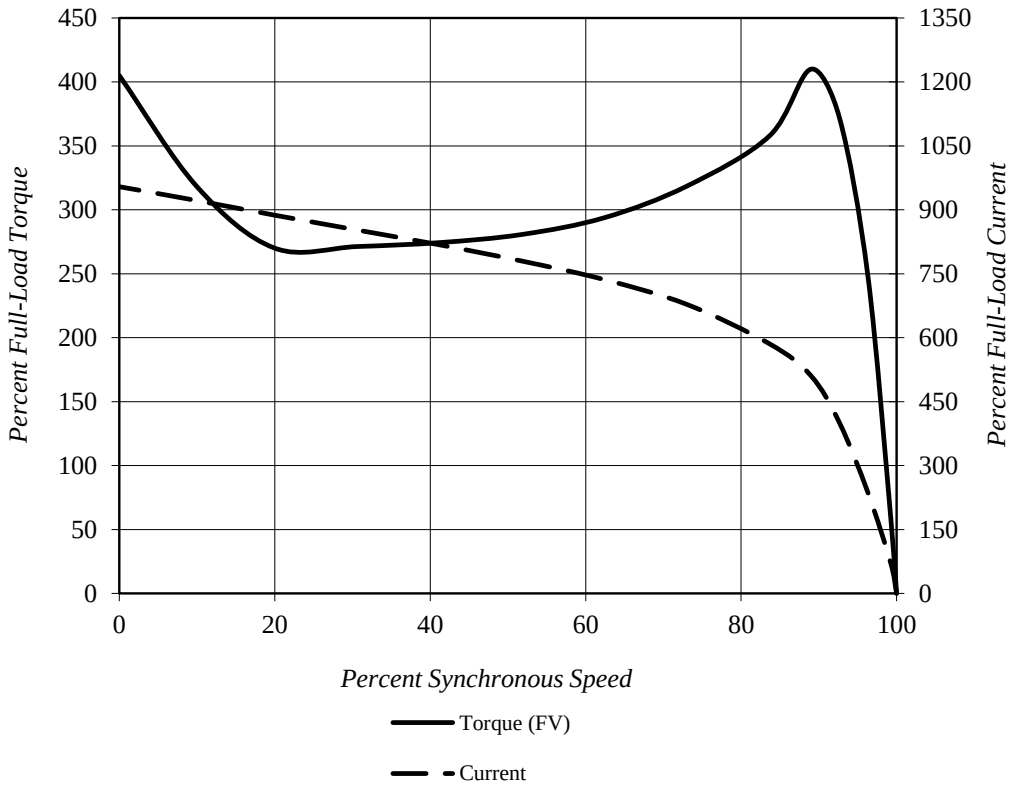
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	Y754SDMV7KS-PL			***FLAmps:***	13.1
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	132M
Pole:	4	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	10	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	10/18/2019
FLRPM:	1770	***Load Inertia:***	N/A	***File:***	GH4Y75 (7.5kW

Locked Rotor Amps:	125 A	***Load Type:***	N/A
Locked Rotor Torque:	405%	***Starting at:***	N/A
Breakdown Torque:	410%	***Accel. Time:***	N/A
Rated Torque:	30 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH4Y75 (7.5kW

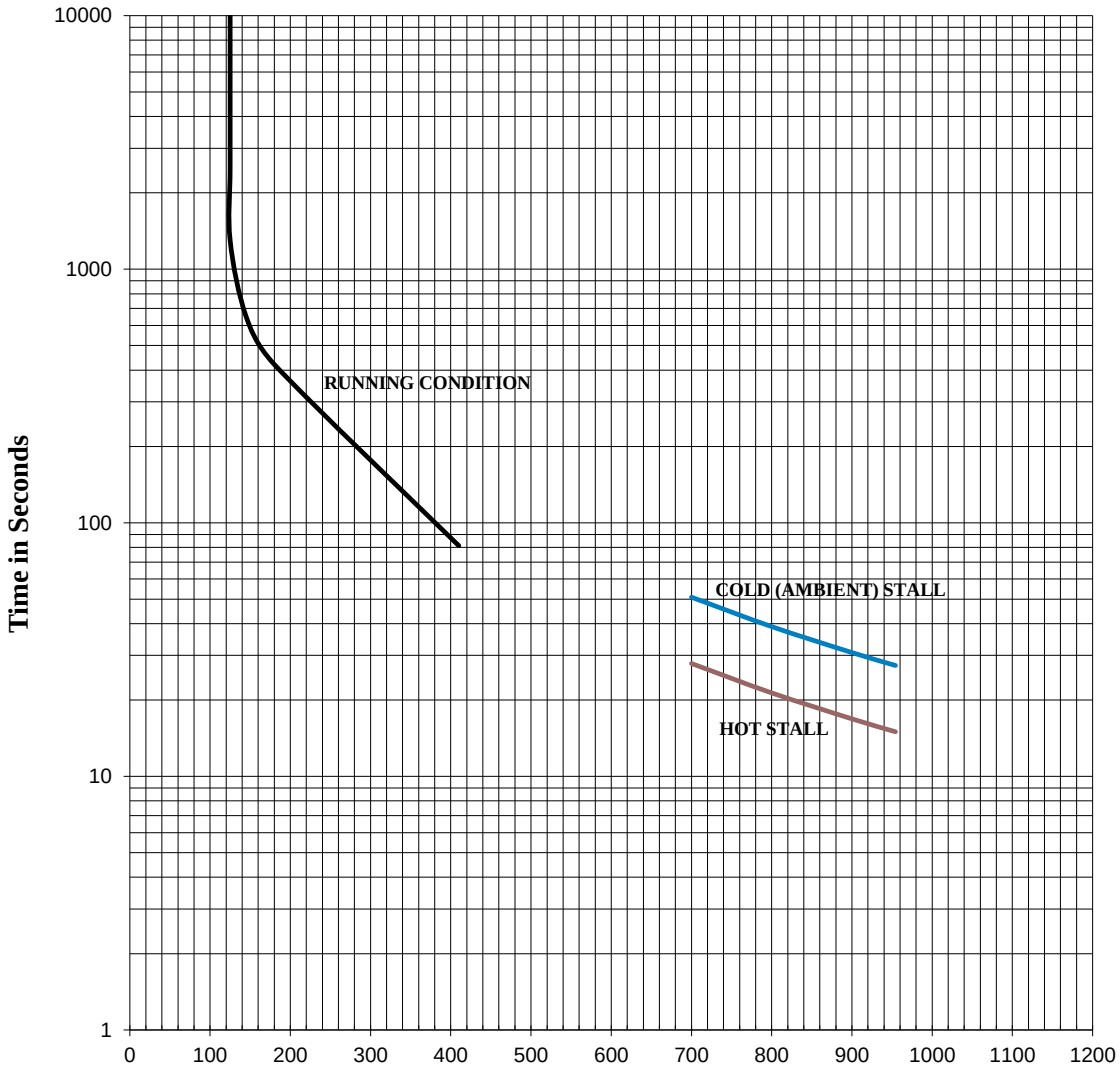
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	Y754SDMV7KS-PL			***FLAmps:***	13.1
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	132M
Pole:	4	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	10	***Rotor Inertia:***	1.4 lb-ft²	***Date:***	10/18/2019
FLRPM:	1770	***Load Inertia:***	N/A	***File:***	GH4Y75 (7.5kW



Comments: PROJECT -

D.E.Curve #: GH4Y75 (7.5kW

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