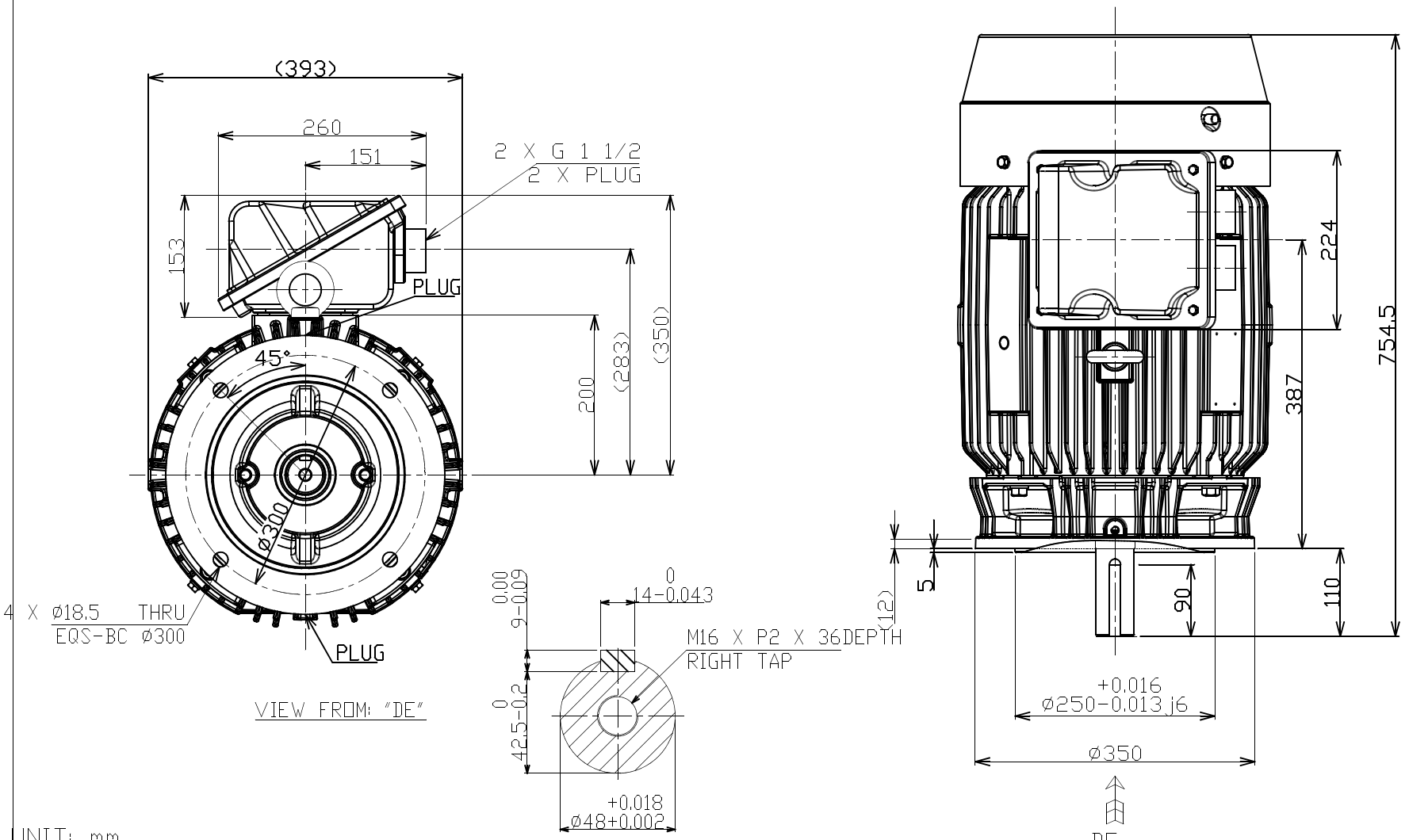

UNIT: mm

ROTATION: CCW

VIEW FROM: DE

B5-FLANGE MOTOR
OL DRAWING IEC GLOBAL

TYPE: 2-4-6P - 400V

FRAME: 180M

3HFN000248

TOSHIBA
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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 new design Frame footless	T.Danh	May-21-18	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

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APPROVED BY	PAA

SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	-	VOLTS:	400	3 PH /	50 Hz	S. RPM:	1500
FRAME:	180M	ENCL:	TEFC	FLAMPS:	36	FLRPM:	1475
FORM:	FBKL1	S.F.:	-	IEC DESIGN	NE	INSUL CLASS:	F
TYPE:	TKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0184SDMW7JS-P			kW:	18.5		
NOM. EFF.:	92.6	MIN. EFF.:	-	cosØ	0.80		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	341	FULL LOAD (lb-ft.):	88	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	290	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	380		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	93.4	FULL LOAD:	80.1
3/4 LOAD:	92.8	3/4 LOAD:	74.1
1/2 LOAD:	90.9	1/2 LOAD:	62.4

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: 10/18/2019

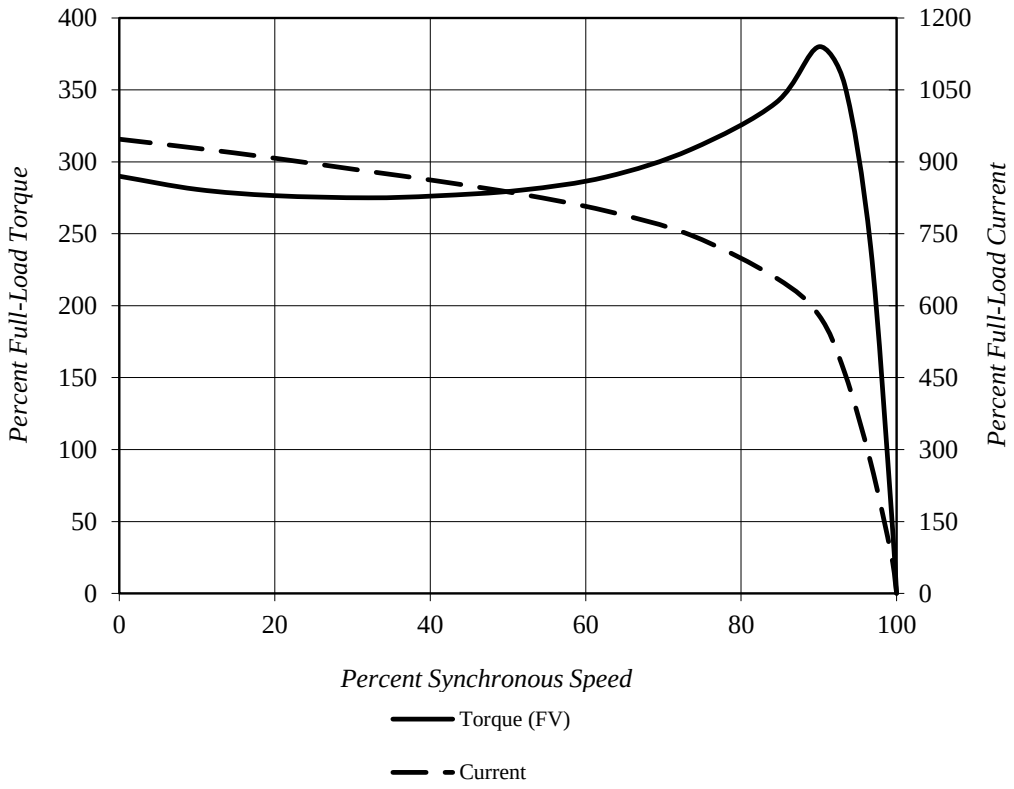
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0184SDMW7JS-P			***FLAmps:***	36
Enclosure:	TEFC	***Voltage:***	400 V	***Frame:***	180M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	5.2 lb-ft²	***Date:***	10/18/2019
FLRPM:	1475	***Load Inertia:***	N/A	***File:***	GH4018 (18.5kW

Locked Rotor Amps:	341 A	***Load Type:***	N/A
Locked Rotor Torque:	290%	***Starting at:***	N/A
Breakdown Torque:	380%	***Accel. Time:***	N/A
Rated Torque:	88 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH4018 (18.5kW

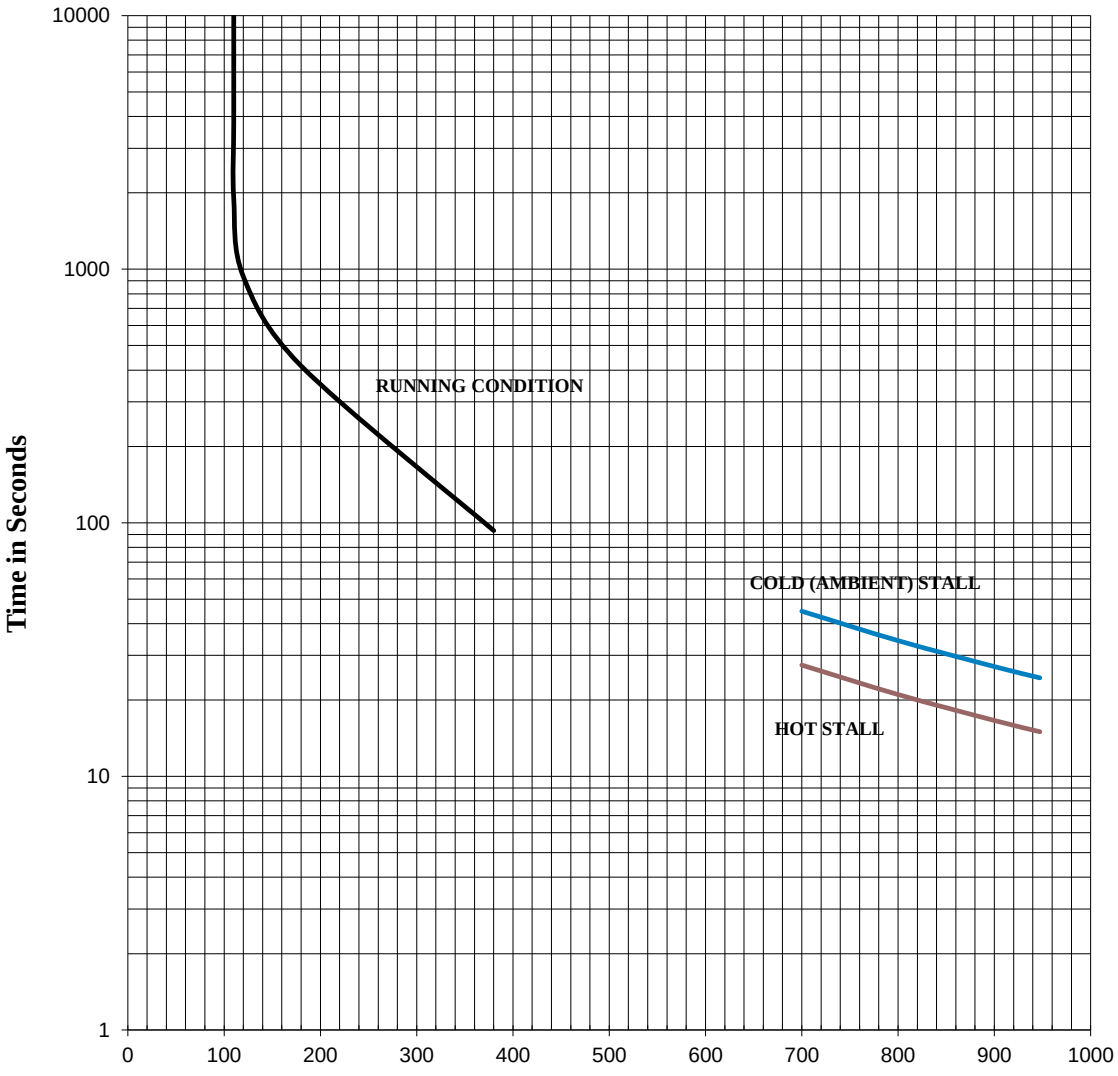
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0184SDMW7JS-P			***FLAmps:***	36
Enclosure:	TEFC	***Voltage:***	400 V	***Frame:***	180M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	5.2 lb-ft²	***Date:***	10/18/2019
FLRPM:	1475	***Load Inertia:***	N/A	***File:***	GH4018 (18.5kW



Comments: PROJECT -

D.E.Curve #: GH4018 (18.5kW

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:	415	3 PH /	50 Hz	S. RPM:	1500
FRAME:	180M	ENCL:	TEFC	FLAMPS:	35	FLRPM:	1475
FORM:	FBKL1	S.F.:	-	IEC DESIGN	NE	INSUL CLASS:	F
TYPE:	TKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0184SDMW7JS-P			kW:	18.5		
NOM. EFF.:	92.6	MIN. EFF.:	-	cosØ	0.77		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	356	FULL LOAD (lb-ft.):	88	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	320	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	405		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	93.5	FULL LOAD:	77.9
3/4 LOAD:	92.8	3/4 LOAD:	71.1
1/2 LOAD:	90.7	1/2 LOAD:	58.6

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: 10/18/2019

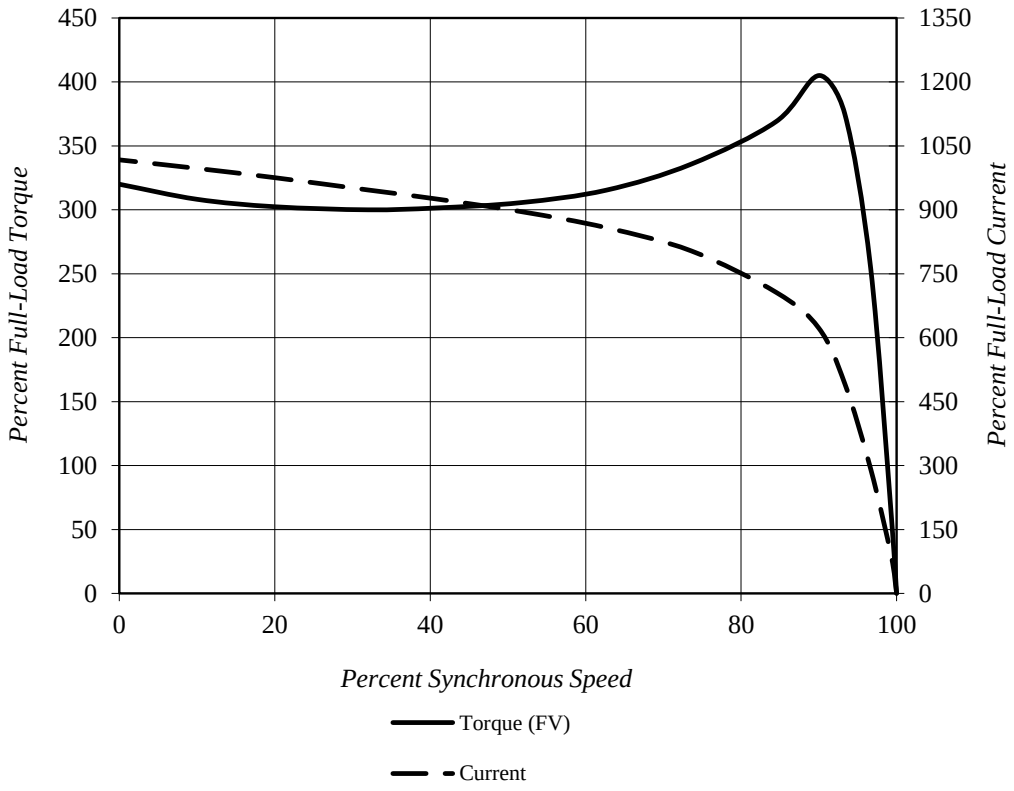
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0184SDMW7JS-P			***FLAmps:***	35
Enclosure:	TEFC	***Voltage:***	415 V	***Frame:***	180M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	5.2 lb-ft²	***Date:***	10/18/2019
FLRPM:	1475	***Load Inertia:***	N/A	***File:***	GH4018 (18.5kW

Locked Rotor Amps:	356 A	***Load Type:***	N/A
Locked Rotor Torque:	320%	***Starting at:***	N/A
Breakdown Torque:	405%	***Accel. Time:***	N/A
Rated Torque:	88 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH4018 (18.5kW

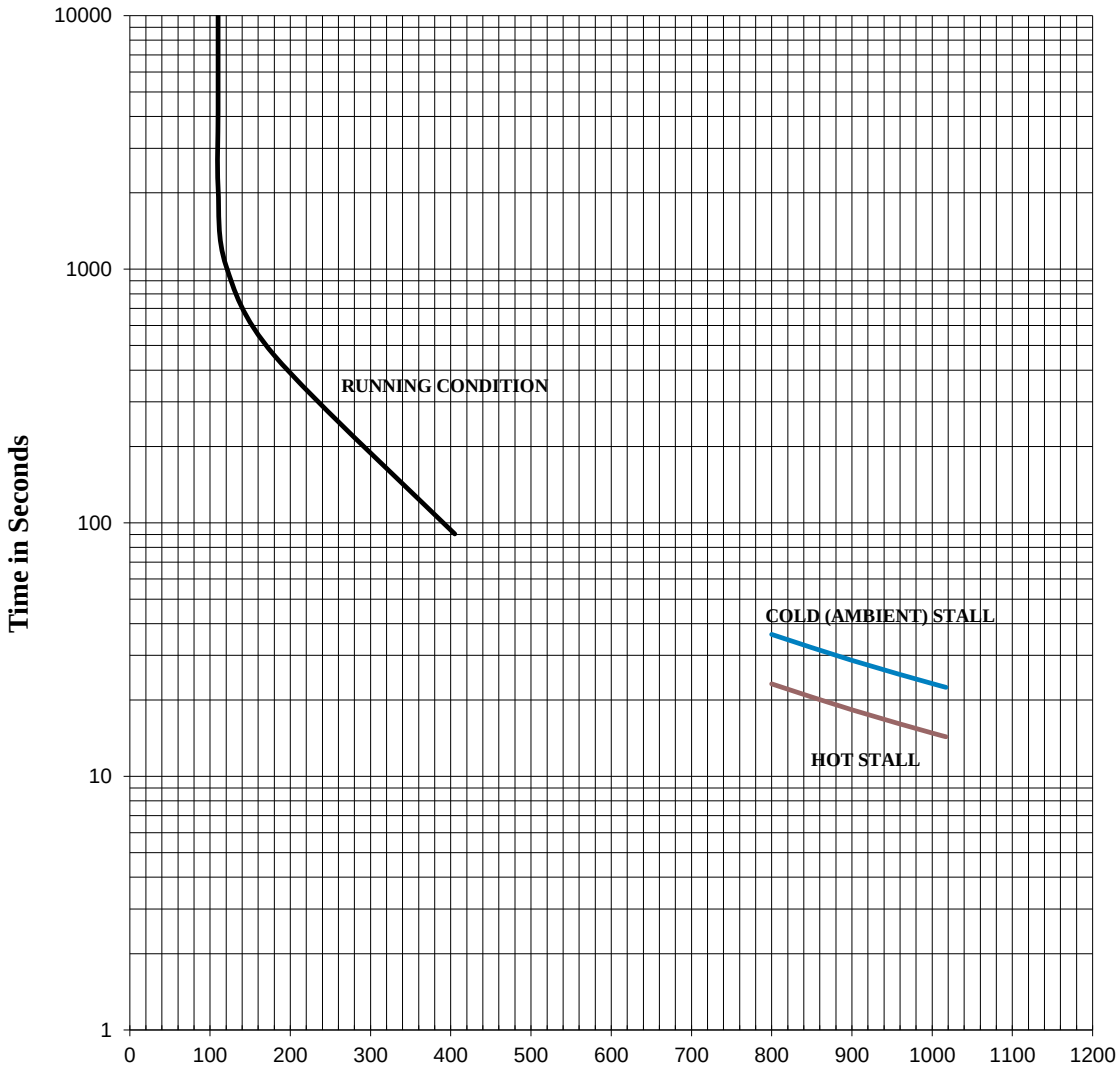
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0184SDMW7JS-P			***FLAmps:***	35
Enclosure:	TEFC	***Voltage:***	415 V	***Frame:***	180M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	5.2 lb-ft²	***Date:***	10/18/2019
FLRPM:	1475	***Load Inertia:***	N/A	***File:***	GH4018 (18.5kW



Comments: PROJECT -

D.E.Curve #: GH4018 (18.5kW

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

TOSHIBA INTERNATIONAL CORPORATION
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APPROVED BY	PAA

SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA

H.P.:	-	VOLTS:	380	3 PH /	50 Hz	S. RPM:	1500
FRAME:	180M	ENCL:	TEFC	FLAMPS:	37	FLRPM:	1475
FORM:	FBKL1	S.F.:	-	IEC DESIGN	NE	INSUL CLASS:	F
TYPE:	TKKH	AMB.:	40°C	CODE:	-	DUTY:	Cont.
MODEL No.:	0184SDMW7JS-P			kW:	18.5		
NOM. EFF.:	92.6	MIN. EFF.:	-	cosØ	0.82		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	321	FULL LOAD (lb-ft.):	88	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	260	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	345		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	93.1	FULL LOAD:	82.6
3/4 LOAD:	92.7	3/4 LOAD:	77.7
1/2 LOAD:	91.1	1/2 LOAD:	67.3

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

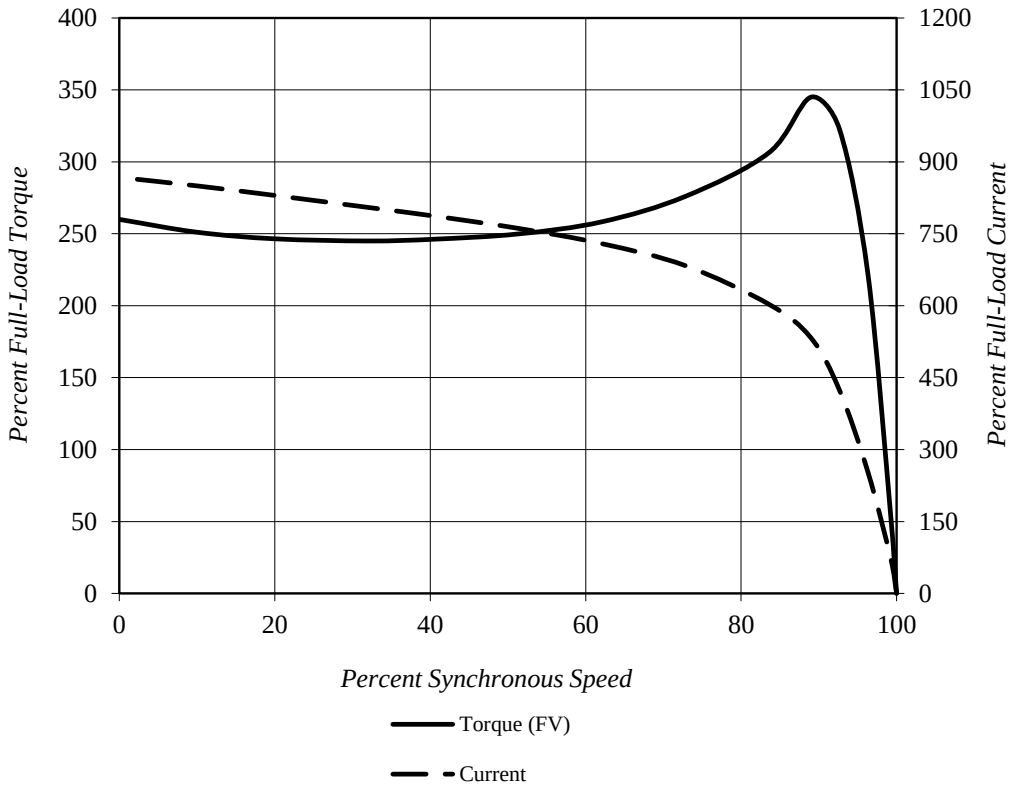
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0184SDMW7JS-P			***FLAmps:***	37
Enclosure:	TEFC	***Voltage:***	380 V	***Frame:***	180M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	5.2 lb-ft²	***Date:***	10/18/2019
FLRPM:	1475	***Load Inertia:***	N/A	***File:***	GH4018 (18.5kW

Locked Rotor Amps:	321 A	***Load Type:***	N/A
Locked Rotor Torque:	260%	***Starting at:***	N/A
Breakdown Torque:	345%	***Accel. Time:***	N/A
Rated Torque:	88 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH4018 (18.5kW

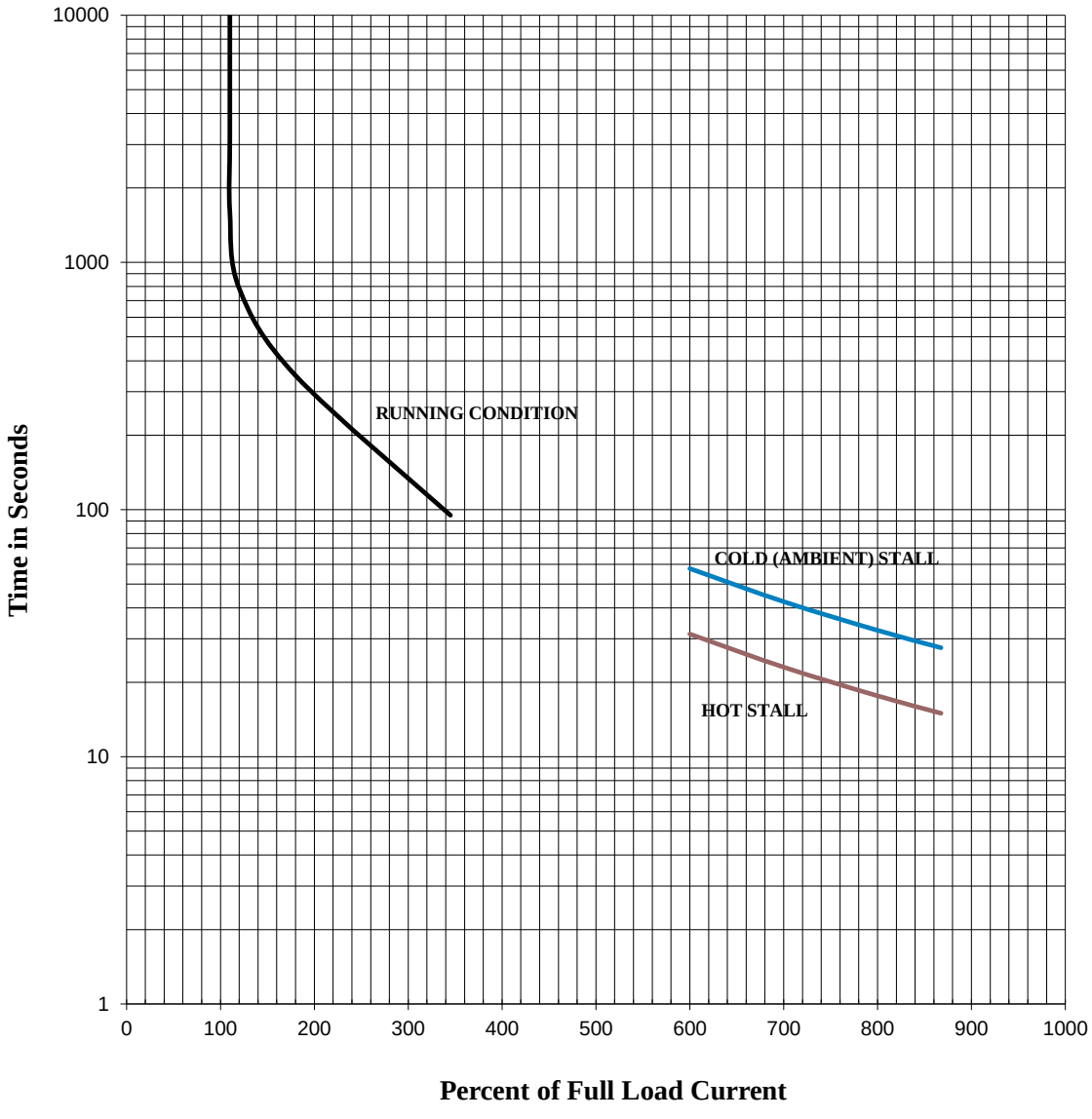
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0184SDMW7JS-P			***FLAmps:***	37
Enclosure:	TEFC	***Voltage:***	380 V	***Frame:***	180M
Pole:	4	***Frequency:***	3 PH / 50 Hz	***Ins. Class:***	F
KW:	18.5	***Rotor Inertia:***	5.2 lb-ft²	***Date:***	10/18/2019
FLRPM:	1475	***Load Inertia:***	N/A	***File:***	GH4018 (18.5kW



Comments: PROJECT -

D.E.Curve #: GH4018 (18.5kW

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.:	25	VOLTS:	460	3 PH /	60 Hz	S. RPM:	1800
FRAME:	180M	ENCL:	TEFC	FLAMPS:	31	FLRPM:	1775
FORM:	FBKL1	S.F.:	1.15	NEMA DESIGN:	A	INSUL CLASS:	F
TYPE:	TKKH	AMB.:	40°C	CODE:	M	DUTY:	Cont.
MODEL No.:	0184SDMW7JS-P			kW:	18.5		
NOM. EFF.:	93.6	MIN. EFF.:	-	P.F.:	80.0		

AMPERAGE		**TORQUES**		****BEARINGS:**	
LOCKED ROTOR:	333	FULL LOAD (lb-ft.):	73	DRIVE END:	REFER TO NP
		LOCKED ROTOR (%):	300	OPPOSITE DRIVE END:	REFER TO NP
		BREAK DOWN (%):	420		

EFFICIENCY		**POWER FACTOR**	
FULL LOAD:	93.9	FULL LOAD:	80.1
3/4 LOAD:	93.0	3/4 LOAD:	73.5
1/2 LOAD:	90.7	1/2 LOAD:	61.3

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

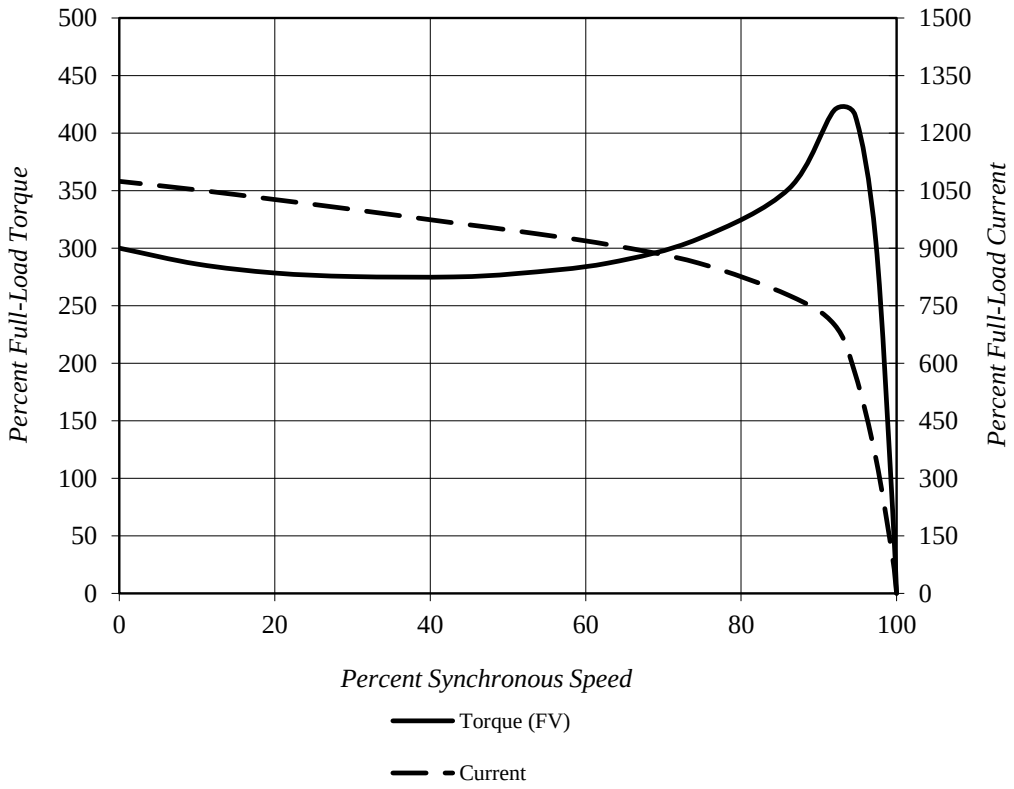
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0184SDMW7JS-P			***FLAmps:***	31
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	180M
Pole:	4	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	25	***Rotor Inertia:***	5.2 lb-ft²	***Date:***	10/18/2019
FLRPM:	1775	***Load Inertia:***	N/A	***File:***	GH4018 (18.5kW

Locked Rotor Amps:	333 A	***Load Type:***	N/A
Locked Rotor Torque:	300%	***Starting at:***	N/A
Breakdown Torque:	420%	***Accel. Time:***	N/A
Rated Torque:	73 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH4018 (18.5kW

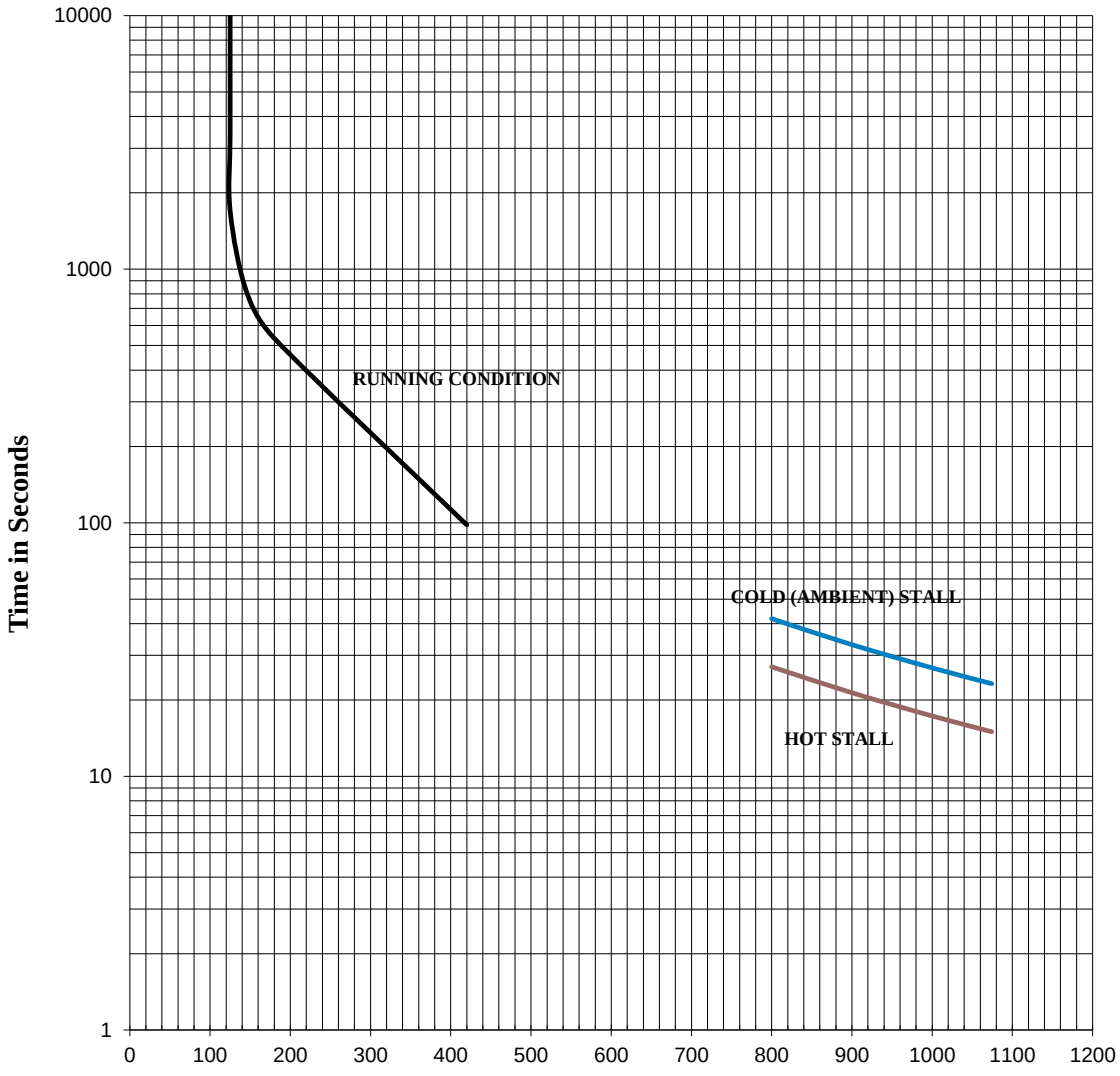
Prepared by: Zichao Xie	***Checked by:***

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0184SDMW7JS-P			***FLAmps:***	31
Enclosure:	TEFC	***Voltage:***	460 V	***Frame:***	180M
Pole:	4	***Frequency:***	3 PH / 60 Hz	***Ins. Class:***	F
HP:	25	***Rotor Inertia:***	5.2 lb-ft²	***Date:***	10/18/2019
FLRPM:	1775	***Load Inertia:***	N/A	***File:***	GH4018 (18.5kW



Comments: PROJECT -

D.E.Curve #: GH4018 (18.5kW

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