

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 132STFC6504
Catalog No: R430A
10 HP General Purpose, 3 phase, 3600 RPM, 575 V, 132S Frame, TEFC
Cast Iron Motors



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E

RegalRexnord

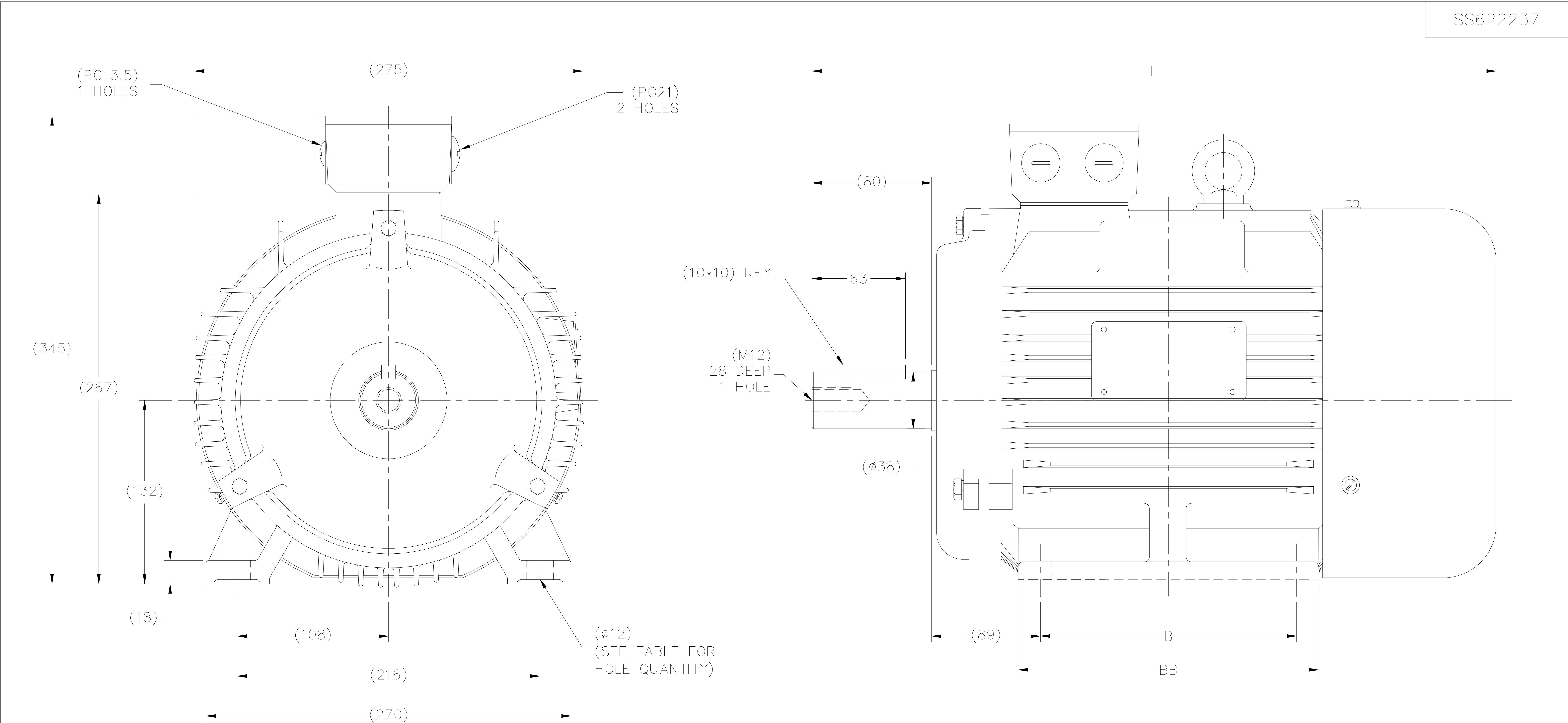
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	9.6 A	Speed	3545 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	132S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6208	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.5505 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	18.26 in
Shaft Diameter	1.500 in	Shaft Extension	3.14 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 10:1
Connection Drawing	00519001ME	Outline Drawing	SS622237


This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/06/2021

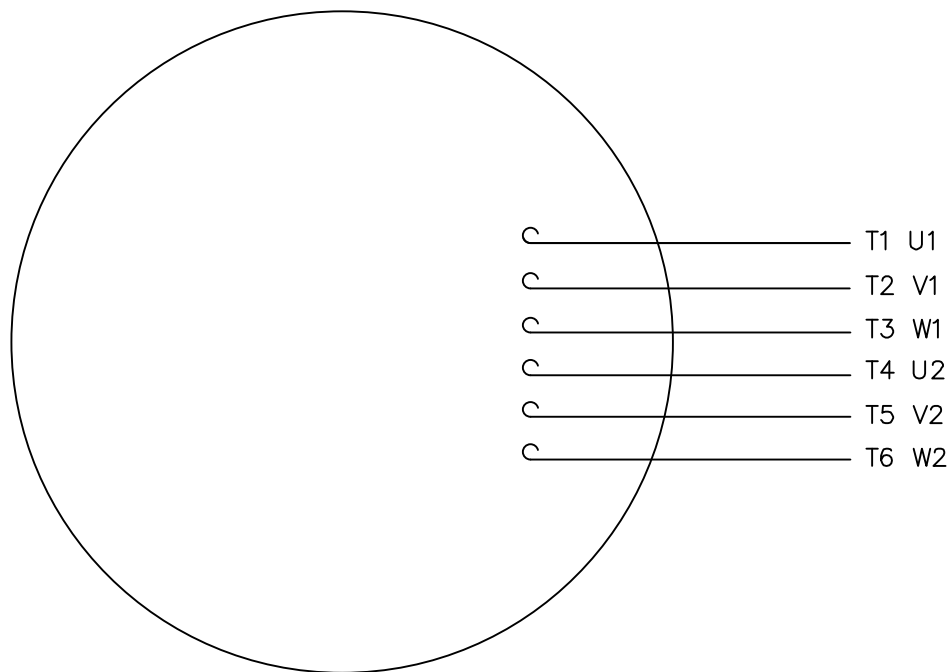


(DRAWING NOT TO SCALE)

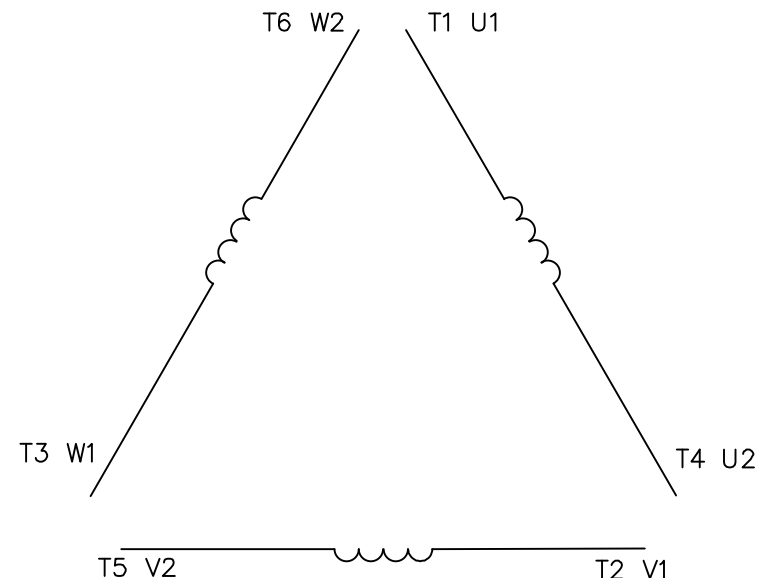
(DIMENSIONS ARE IN MILLIMETERS)

DF132S	4	461	140	186
DF132M	4	499	178	224
FRAME	# HOLES	L	B	BB


				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN MSG 11-16-2010					
				DEC.	METRIC		CHK	MJS	11-18-2010			
4	TABLE AND DIMENSIONS UPDATED	NK 07-05-18	NK .X	±2.5			APPD	SB	11-18-2010			
3	(4) FOOT HOLES WERE (6) ECO-0130304	WGJ 10-2-17	EMH .XX	±.76	TITLE OUTLINE – IEC PREMIUM				SCALE	NONE		
2	REM CAT# FROM BLOCK-FOR CAT# SEE SS622237-CAT	MOL 11-29-12	.XXX	±.127	DF132-R FRAME				REF			
1	REV PG13.5 HOLES WERE 2 QTY	MOL 09-24-12	.XXXX	±.0127	MAT'L.				FMF	HEBEI		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH				PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT			RFP 11-18-2010		CAD FILE SS622237			SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST					B	SS622237			H



LINE LEADS



	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4,T5,T6) (U2,V2,W2)
RUN (DELTA)	(T1,T6) (U1,W2)	(T2,T4) (V1,U2)	(T3,T5) (W1,V2)	

				TOLERANCES UNLESS SPECIFIED				DRAWN PG 05/07/82		
				DEC.	INCHES			CHK		
				.X	±.1			APPD TEM 05/07/82		
03	ADDED IEC DESIGNATIONS	MOL 04/27/12	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM STAR START – DELTA RUN			SCALE 1=1		
02	REMOVED OBSOLETE STATUS	KJH 06/28/99	.XXX	±.005				REF		
01	REDRAWN ON CAD	DBT 05/30/97	.XXXX	±.0005	MAT'L. Y–CONNECTED START – DELTA CONNECTED RUN			FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH SINGLE VOLTAGE			PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT			RFP		CAD FILE 00519001ME			SIZE	DRAWING NO.	REV.
			DIST					A	005190–01ME	03



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:

ORDER #:

CONN. DIAGRAM: 005190

OUTLINE: SS622237

WINDING: T10702034 NONE 4

SPEED:

CUSTOMER P.O. #:

REFERENCE MODEL #: 132STFC6504

CAT #: R430A

CUSTOMER PART #:

MOUNTING: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
10	7.5	3600	3545	132S	TEFC	TFC	H	N

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	9.6	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	91.0	3/4 LD EFF	91.0	1/2 LD EFF	91.0	GTD EFF		ELECT. TYPE	
F.L. PF	87.5	3/4 LD PF	85.0	1/2 LD PF	78.0		89.5	SQ CAGE INV RATED	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
14.9 LB-FT	68.8	29.5 LB-FT 198%	42.5 LB-FT 285%	40	

@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
66 dBA	75 dBA	0.00 LB-FT ²	0 LB-FT ²	20 SEC.	2	175 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	UM SEVERE	NONE	NO	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE ODE							
BALL BALL	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON
6208 6207							

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.080	ODE

* N O T E S *		INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED
		ENCODER: NONE NONE NONE
		NONE PPR

PREPARED BY: EARL BABBITTS DATE: 13-07-17	BRAKE: NONE NONE FT-LB: NA VOLTAGE: NONE UL: V-INS, CONST UL REC
FORM: 3531 REV_4 2/27/06	

Data Sheet

Date: 29-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

132STFC6504



Submittal

Data @ 575 V

Motor Load Data

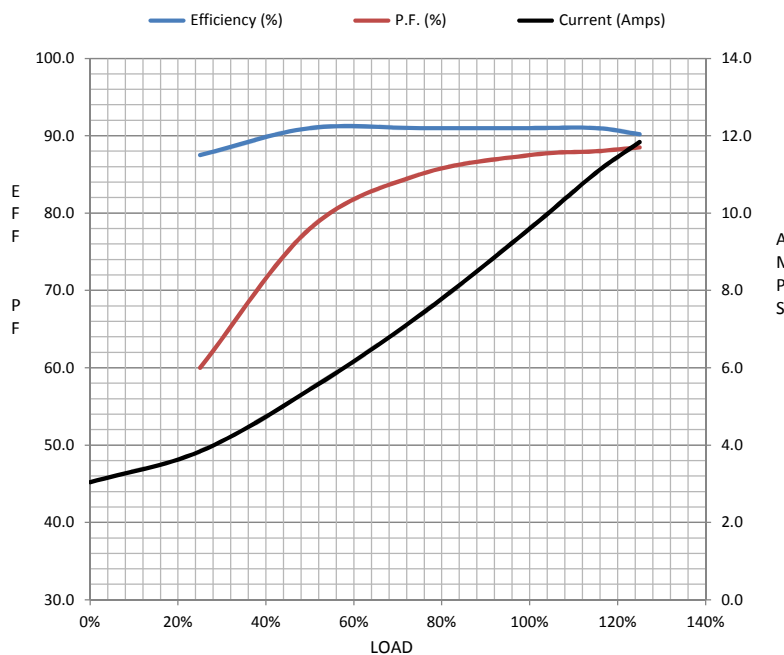
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.0	3.8	5.4	7.4	9.6	11.0	11.8	68.8	
Torque (ft-lb)	0.00	3.7	7.4	11.1	14.9	17.2	18.7	29.5	
RPM	3600	3585	3575	3560	3545	3535	3520	0	
Efficiency (%)		87.5	91.0	91.0	91.0	91.0	90.2		
P.F. (%)	8.0	60.0	78.0	85.0	87.5	88.0	88.5	41.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3100	3545	3600
Current (Amps)	68.8	65.6	41.2	9.6	3.0
Torque (ft-lb)	29.5	27.0	42.5	14.9	0.00

Information Block

HP	10.0			
Sync. RPM	3600			
Frame	132			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	40 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 Lb-Ft²			
Ref Wdg	T10702034 NONE			
Sound Pressure @ 1M	66 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	SS622237			
Conn. Diag	005190			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

