

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 132MTFC6586

Catalog No: R326A

Globetrotter® IEC Cast Iron Motor, 5.50 & 4 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V,
1200 & 1000 RPM, 132M Frame, TEFC



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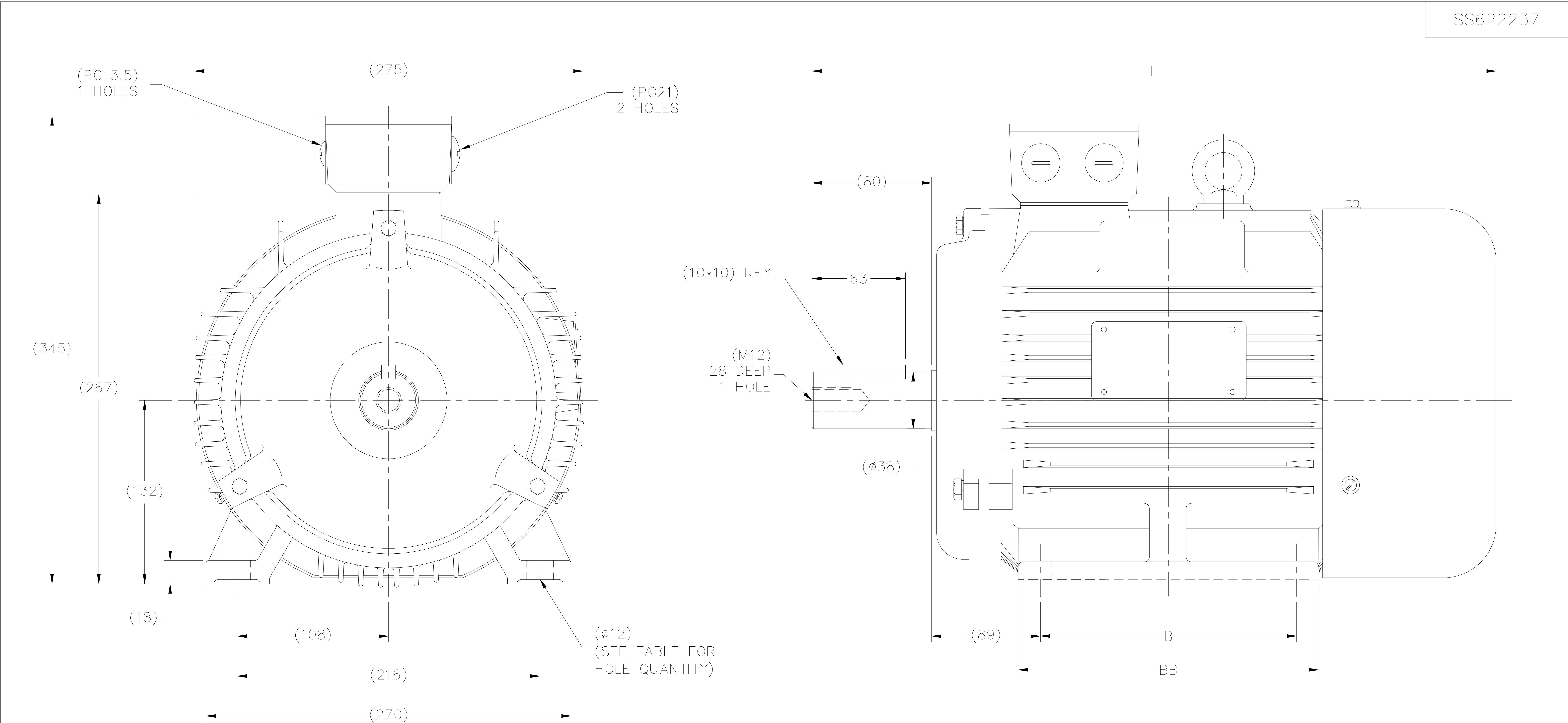
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	5.50 & 4 Hp
Output KW	4.1 & 3.0 kW	Voltage	230/460 & 200/400 V
Speed	1180 & 985 rpm	Service Factor	1.15 & 1.15
Frame	132M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	17/8.5 & 15.6/7.8 A	Power Factor	69
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6207
UL	No	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	6	Rotation	Reversible
Resistance Main	0 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	19.76 in
Shaft Diameter	1.500 in	Shaft Extension	3.14 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1
Outline Drawing	SS622237	Connection Drawing	004172.03



(DRAWING NOT TO SCALE)

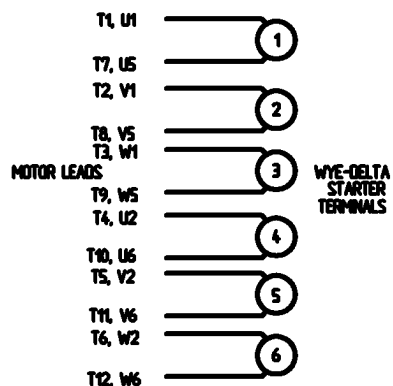
(DIMENSIONS ARE IN MILLIMETERS)

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

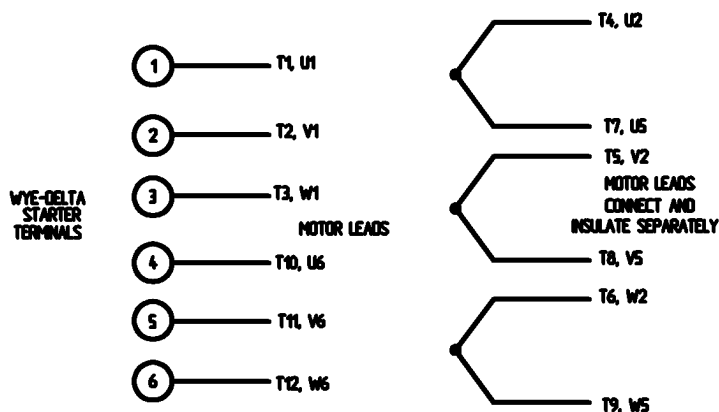
				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN MSG 11-16-2010					
				DEC.	METRIC		CHK	MJS	11-18-2010			
4	TABLE AND DIMENSIONS UPDATED	NK 07-05-18	NK .X	±2.5			APPD	SB	11-18-2010			
3	(4) FOOT HOLES WERE (6) ECO-0130304	WGJ 10-2-17	EMH .XX	±.76	TITLE OUTLINE – IEC PREMIUM				SCALE	NONE		
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		

WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION



HIGH VOLTAGE CONNECTION



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

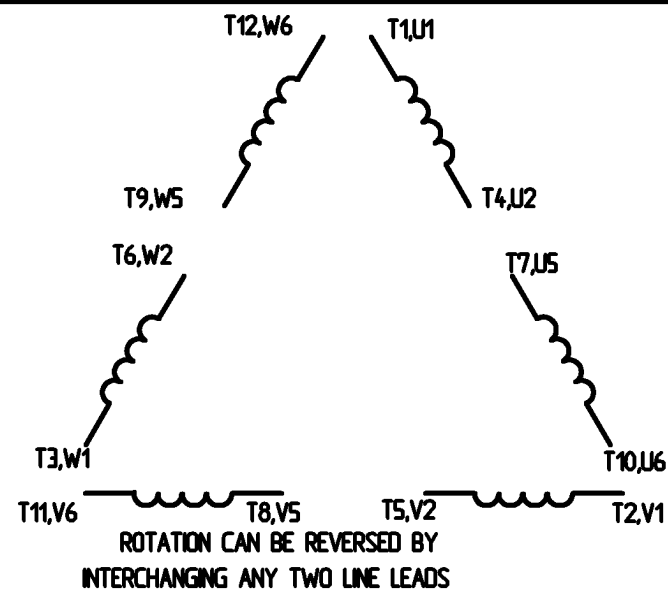
PART WINDING START USABLE ON 4 & 6 POLE MOTORS LOW VOLTAGE CONNECTION ONLY



REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER - HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

LINE LEADS



12 LEAD DELTA CONNECTION ACROSS THE LINE START (FOR Y START DELTA RUN, REMOVE THE JUMPERS)

LOW VOLTAGE
(MUST BE REWIRED AS SHOWN)

HIGH VOLTAGE
(FACTORY WIRED FOR HIGH VOLTAGE AS SHOWN)



				TOLERANCES UNLESS SPECIFIED		<div>LEESON</div> ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN CJW 08/28/02	
				DEC.	INCHES		CHK	
				X	± .1		APPO	
				XX	± .01		SCALE 1:1	
				XXX	± .005		REF	
				XXXX	± .0005		FIMF	
NO.	REVISION	BY & DATE	CHK	ANG	± 1/2°	FINISH	PREV	
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				DST			REV.	

ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/CB
-dictionary-
/Pscript_WinNT_Compat
-dictionary-



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:

ORDER #:

CONN. DIAGRAM: 004172.03

OUTLINE:

SS622237

WINDING:

T10706010

NONE

3

SPEED:

CUSTOMER P.O. #:

REFERENCE MODEL #: 132MTFC6586

CAT #:

R326A

CUSTOMER PART #:

MOUNTING: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
5.5	4.1	1200	1180	132M	TEFC	TFC	J	N

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#200/400	17/8.5&15.6/7.8	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	89.5	3/4 LD EFF	89.5	1/2 LD EFF	87.5	GTD EFF		ELECT. TYPE	
F.L. PF	69.0	3/4 LD PF	61.0	1/2 LD PF	49.0		87.5	SQ CAGE INV RATED	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
24.5 LB-FT	48.5	42.5 LB-FT 173%	75.0 LB-FT 306%	40	

@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
60 dBA	69 dBA	0.00 LB-FT ²	0 LB-FT ²	0 SEC.	0	178 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
6308 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 *		INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED
	ENCODER: NONE	
	NONE	
	NONE	NONE PPR

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

Data Sheet

Date: 16-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

132MTFC6586



Submittal

Data @ 460 V

Motor Load Data

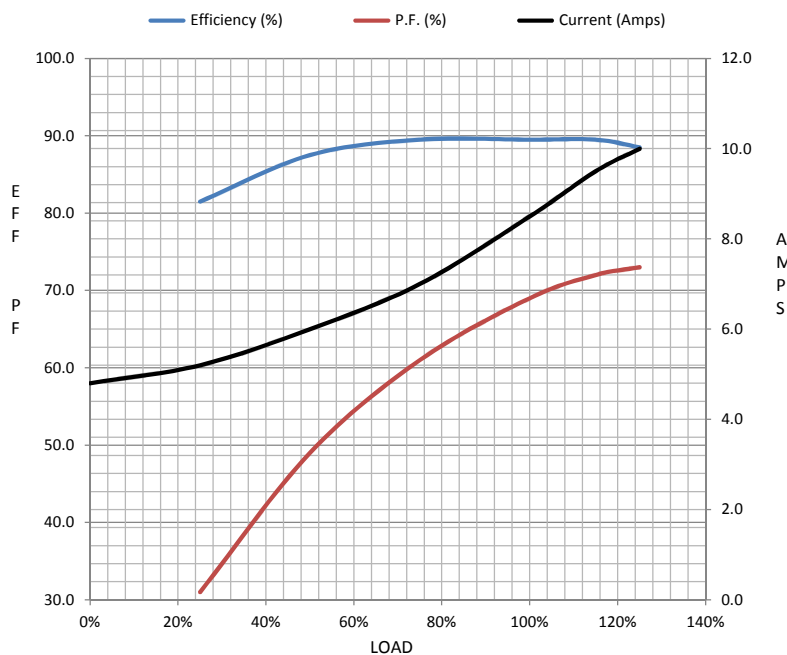
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.8	5.2	6.0	7.0	8.5	9.5	10.0	48.5	
Torque (ft-lb)	0.00	6.0	12.0	18.3	24.5	28.3	30.9	42.5	
RPM	1200	1195	1190	1185	1180	1,175	1170	0	
Efficiency (%)		81.5	87.5	89.5	89.5	89.5	88.5		
P.F. (%)	5.5	31.0	49.0	61.0	69.0	72.0	73.0	41.0	

Motor Speed Data

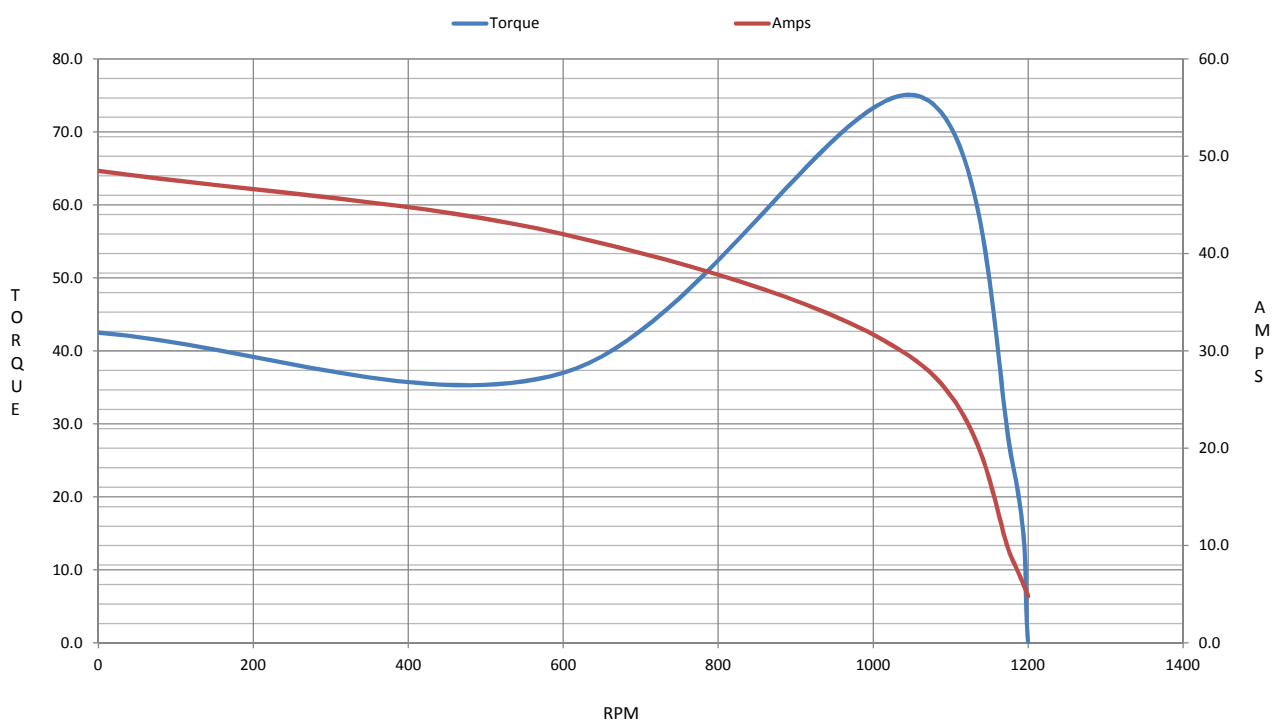
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1055	1180	1200
Current (Amps)	48.5	42.0	29.0	8.5	4.8
Torque (ft-lb)	42.5	37.0	75.0	24.5	0.00

Information Block

HP	5.5			
Sync. RPM	1200			
Frame	132			
Enclosure	TEFC			
Construction	TFC			
Voltage	230/460#200/40(V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	40 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T10706010 NONE			
Sound Pressure @ 1M	60 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	SS622237			
Conn. Diag	004172.03			
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



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 132MTFC6586

(Model No. may contain prefix and/or suffix characters)

Catalog No : R326A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22