PRODUCT INFORMATION PACKET

Model No: 364THFCD19061
Catalog No: W587A-P
XRI®-841 Severe Duty Motor, 60 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 364T Frame, TEFC

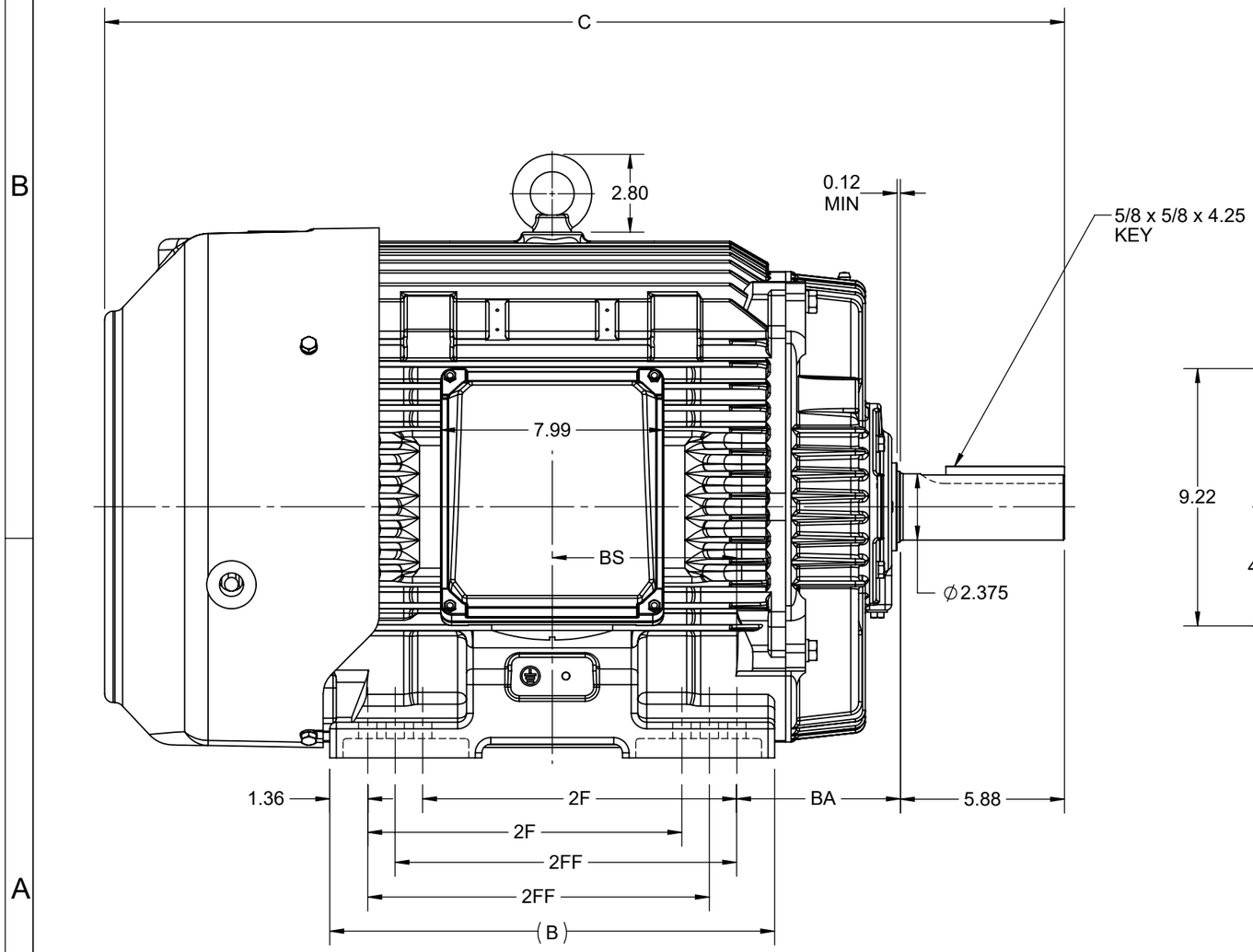
Nameplate Specifications

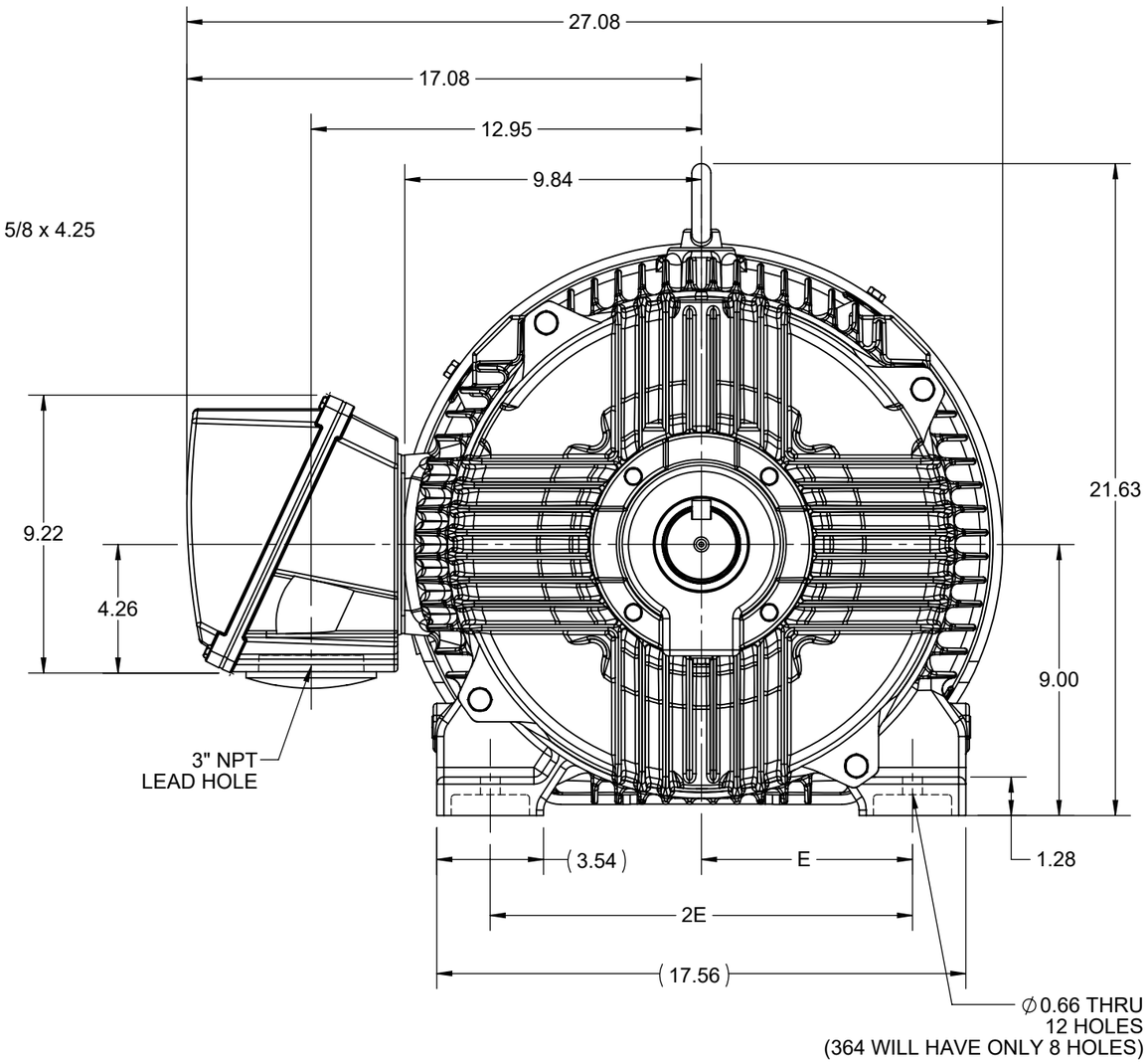
Phase	3	Output HP	60 Hp
Output KW	45.0 kW	Voltage	460 V
Speed	1780 rpm	Service Factor	1.15
Frame	364T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	68.0 A	Power Factor	87.2
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	G
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6213
UL	Recognized	CSA	Y
CE	Y	IP Code	56
Number of Speeds	1		

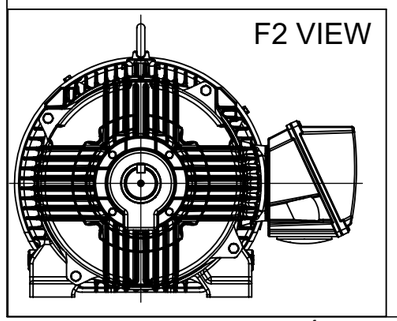
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.104 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	2.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	EE7300U	Outline Drawing	SS557662-100

DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	14.96	33.40	7.00	14.00	-	11.25	5.88	6.12	F1 OR F2	364T
200	15.94	34.40			11.25	12.25		6.62		364/365T







DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	S SAHOO	17/11/2020
ECO	APPROVED BY	DATE
ECO-0194715	GNK	17/11/2020

ECO DESCRIPTION: DRAWING UPDATED

PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	BISWA
DATE	01/10/2018
APPROVED BY	SBD
DATE	01/10/2018
REFERENCE	

THIRD ANGLE PROJECTION

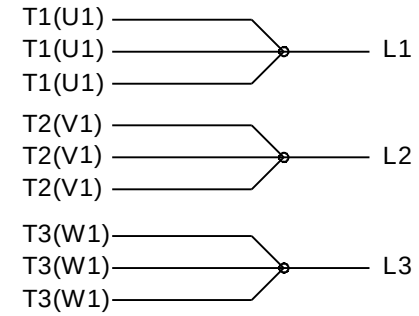
Regal Beloit America, Inc.

DESCRIPTION: OUTLINE
364/365T FR-NEMA-SD & IEEE841

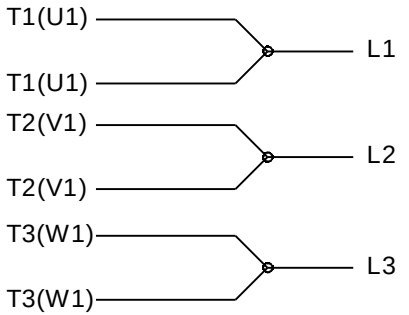
MATERIAL | PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
B	SS557662	1 OF 1

IF MOTOR HAS 9 LEADS

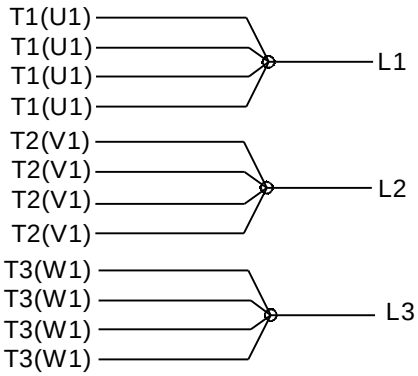


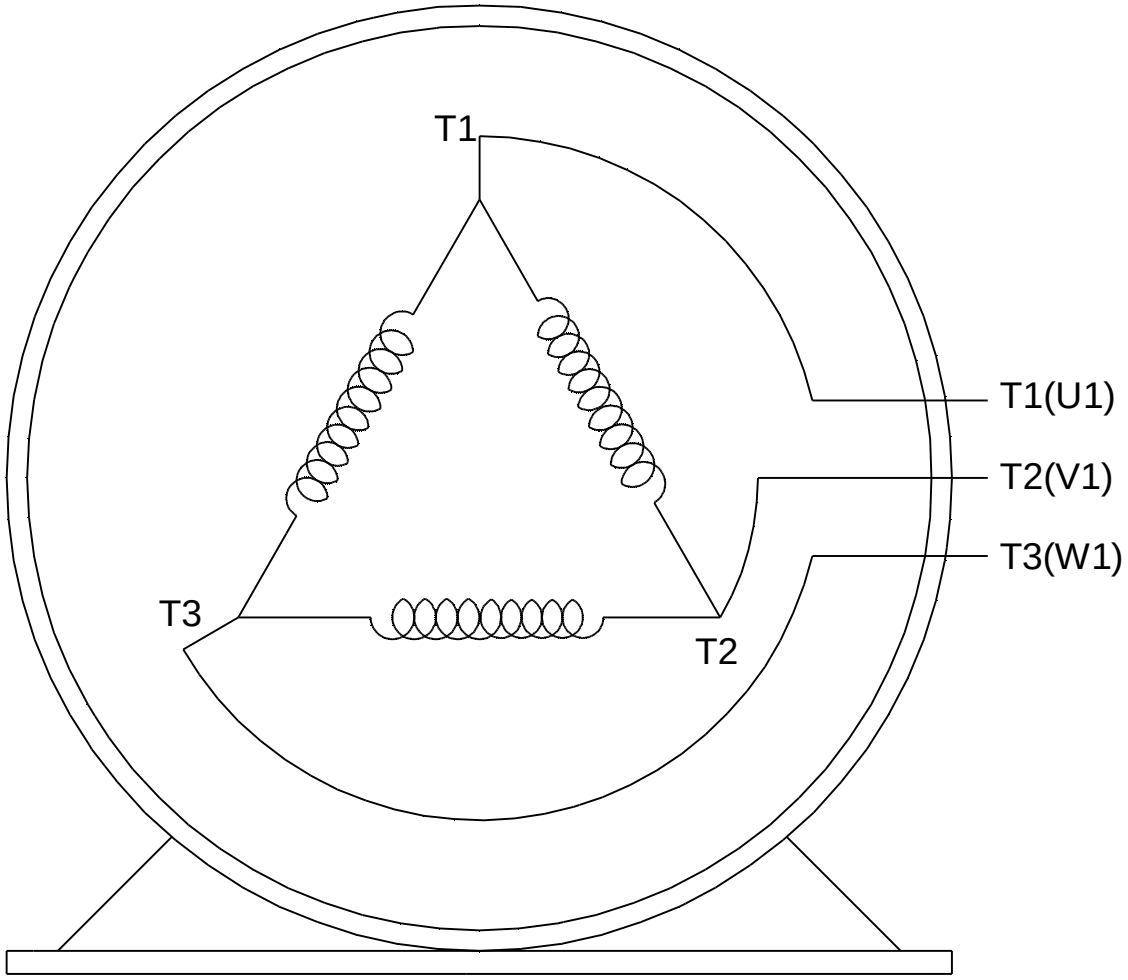
IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS





VIEW OF TERMINAL END

DRAWING REVISION: L	REVISION BY: AJW	DATE: 05-04-2015
ECO: ECO-0077067	APPROVED BY: EWH	DATE: 05-05-2015

ECO DESCRIPTION: UPDATED TO SOLIDWORKS

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7' 30"
.XX	±0.02	[±0.51]	
XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm SHOWN IN [BRACKETS]

DRAWN BY: DRS	Regal Beloit America, Inc.
DATE: 09-27-1996	
APPROVED BY: GK	DESCRIPTION: CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE
DATE: 09-30-1996	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7300U / SHEET: 1 OF 1

marathon® Motors

DATA VOLTS: 460

CERTIFICATION DATA SHEET

REFERENCE MODEL #: 364THFCD19061
CONN. DIAGRAM: EE7300U **CAT #:** W587A-P
OUTLINE: SS557662
WINDING: HA32254010 NONE 1 **MOUNTING:** F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
60	45	1800	1782	364T	TEFC	TFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	460	69	LINE OR INVERTER	CONT	H	1.15	40	3300

F.L. EFF	95.0	3/4 LD EFF	95.4	1/2 LD EFF	95.0	GTD EFF	ELECT. TYPE
F.L. PF	85.5	3/4 LD PF	83.0	1/2 LD PF	75.5	94.5	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
177 LB-FT	435	354 LB-FT 200%	451 LB-FT 255%	55	

SOUND PRESSURE	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.
70 dBA	79 dBA	17.2 LB-FT²	425 LB-FT²	25 SEC.	2	944 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	PREMIUM SEVERE DUTY	NONE	NO	NONE	BLUE (EPOXY)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6313	6213						

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)	
0.064	0.04	0.364	0.487	11.723	0.080	

*
NOTES
*

If Inverter equals NONE, contact factory for further information
INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE **PPR**

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE **HZ:**

PREPARED BY:
DATE: 5/13/2020

FORM: 3531 REV_4 2/27/06
** Subject to change without notice.

Data Sheet

Date: 5/6/2020
Customer:
Attention:
Submitted by:

marathon® Motors

364THFCD19061

Submittal

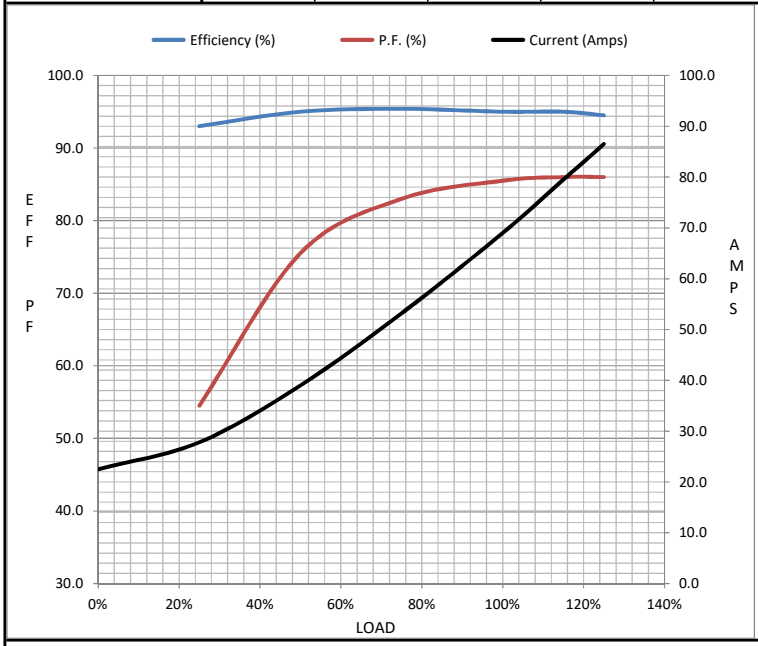
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	22.5	27.8	39.0	53.2	69.0	79.5	86.5	435	
Torque (ft-lb)	0.00	44.0	88.0	132	177	204	222	354	
RPM	1800	1795	1790	1785	1782	1,780	1775	0	
Efficiency (%)		93.0	95.0	95.4	95.0	95.0	94.5		
P.F. (%)	4.0	54.5	75.5	83.0	85.5	86.0	86.0	33.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1715	1782	1800
Current (Amps)	435	350	238	69.0	22.5
Torque (ft-lb)	354	297	451	177	0.00



Information Block

HP	60.0	
Sync. RPM	1800	
Frame	364	
Enclosure	TEFC	
Construction	TFC	
Voltage	460	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	55	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	17.2	Lb-Ft²
Ref Wdg	HA32254010 NONE	
Sound Pressure @ 1M	70	dBA
VFD Rating	CONSTANT 2:1/VARIABLE 10:1	
Outline Dwg	SS557662	
Conn. Diag	EE7300U	

Additional Specifications:

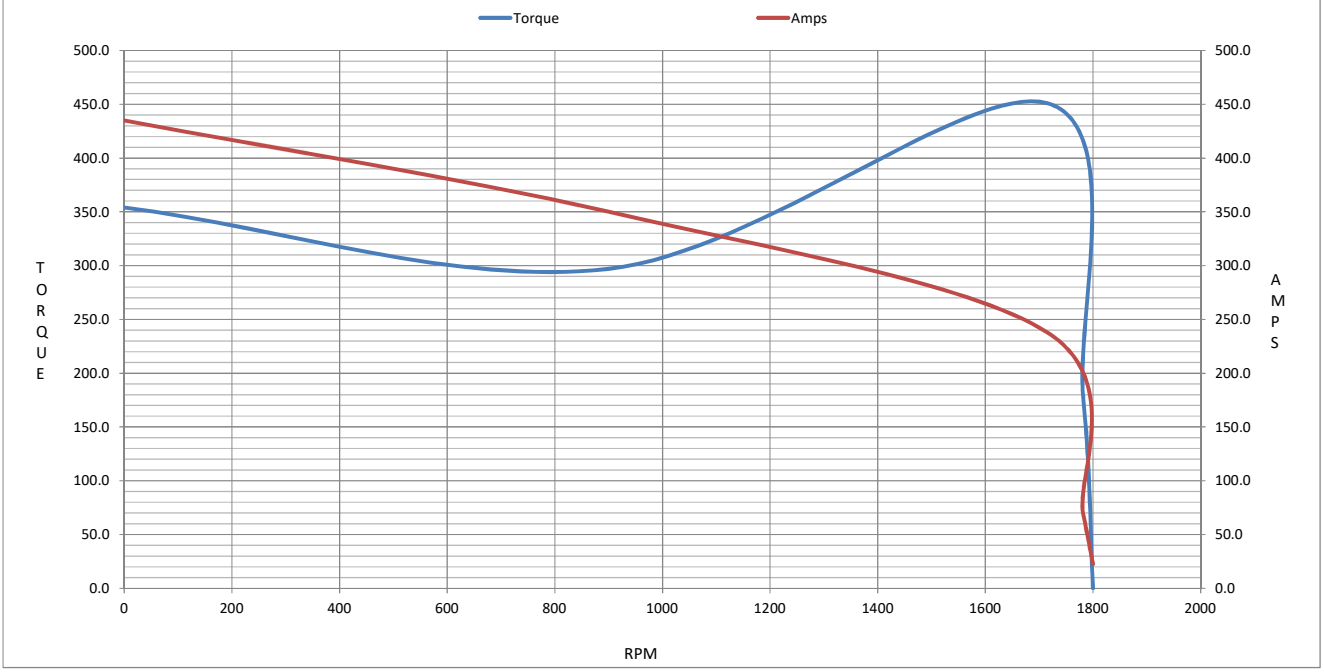
0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0640	0.0400	0.3640	0.4870	11.7230

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 : 364THFCD19061

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

Catalog No : W587A-P

Rework No : N/A

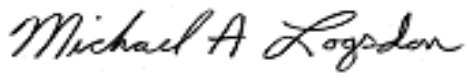
Directives :

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

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