PRODUCT INFORMATION PACKET



Model No: 182TTFW16080 Catalog No: E2130 XRI® General Purpose General Purpose Motor, 1.50 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 182T Frame, TEFC



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marathon®

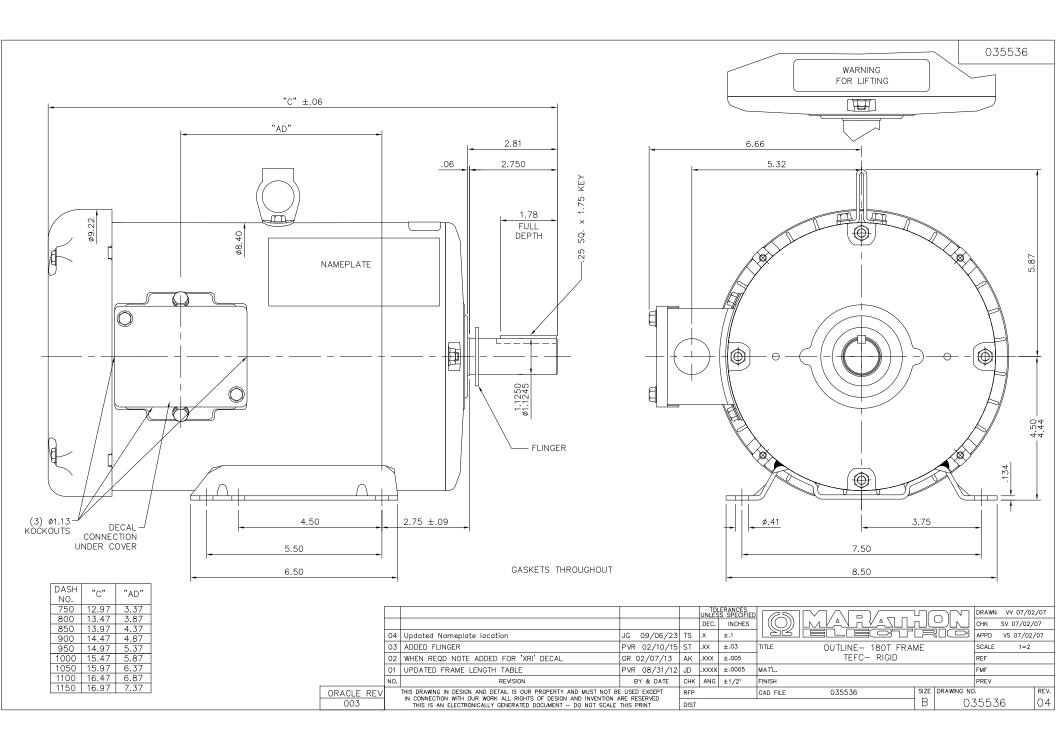
Nameplate Specifications

Phase	3	Output HP	1.50 Нр
Output KW	1.1 kW	Voltage	575 V
Speed	1170 rpm	Service Factor	1.15
Frame	182T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	87.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.4 A	Power Factor	62
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	к
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	11.35 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	т	Overall Length	14.47 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	005102.01ME	Outline Drawing	035536-900

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											00510	2-01ME
	VIEW FROM OUTSIDE OF MOTOR A	T SWITCH EN	D.						NE LE	EADS		
					T T -	2	Т3		TI			T2
								CONNECT FOR FOUR C)
							CORD	L1 (RED)	L2 (WHIT	E) (E	L3 Black)	(GREEN)
						1	MOTOR	T1	T2		Т3	GROUND
				TOL UNLES DEC. .X	ERANCES S SPECIFIED INCHES ±.1						DRAWN CHK APPD	RDW 5/1/02
				.XX	±.01 ±.005	TITLE	EXTERNA	L WIRING DIA W/O PROT	AGRAM		SCALE	1=1
				.xxx .xxxx	±.005	MAT'L.		CAL - 004169			REF FMF	
NO.	REVISION	BY & DATE	снк		±1/2•	FINISH					PREV	
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CERTIFICATION DATA SHEET

Model#:	182TTFW16080 AA	WINDING#:	T8636 FR 4
CONN. DIAGRAM:	005102.01ME	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	035536-900		

TYPICAL MOTOR PERFORMANCE DATA

НР		ĸw		SYNC. R	PM	F.L. RPM		FRAME		ENG	CLOSU	RE	E KVA CODE		DE	DESIGN
1 1/2		1.12	<u> </u>	1200		1170		182T			TEFC			К		В
РН	H	z	VOLTS	S FI	AMPS	START TYP	ΡE	DUTY		INSL		S.	F	A	MB°C	ELEVATION
3	60	0	575		2.4	ACROSS TH	ΗE	CONTINUC S	DU	F4		1.15/	1.15		40	3300
FULL LOAD E	FF: 87.5	5 3/4	4 LOAD EF	F: 86.5	1/2 LO/	AD EFF: 83.3		GTD	. EF	F		ELEC. TYPE			NO	LOAD AMPS
FULL LOAD	PF: 62	3	8/4 LOAD F	PF: 56	1/2 L0	DAD PF: 44			0 SQ CAGE IND		IND RL	JN		1.3		
F.L. TO	RQUE		LOCKE			L.R.	то	RQUE	QUE B.D. TORQUE			F.L. RIS		. RISE°C		
6.68 L	B-FT			12.2		10.97	LB	-FT 164		10.	97 LB-I	FT 164				-
SOUND PRESS @ 3 FT.		SOUN	D POWER	RO	TOR WK*	2 MA	X. V	WK^2	SAF	FE STALL	TIME		START /HOU	-	AI	PPROX. MOTOR WGT
- dBA		-	dBA	0.5	6 LB-FT^2	- L	B-F	-FT^2		-FT^2 10 SEC.		-			0 LBS.	

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEAF	RINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	1144	ROLLED STEEL
6206	6205					STRESSPROOF	
0200						(C-223)	

	THERMO-PF	OTECTORS		THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further

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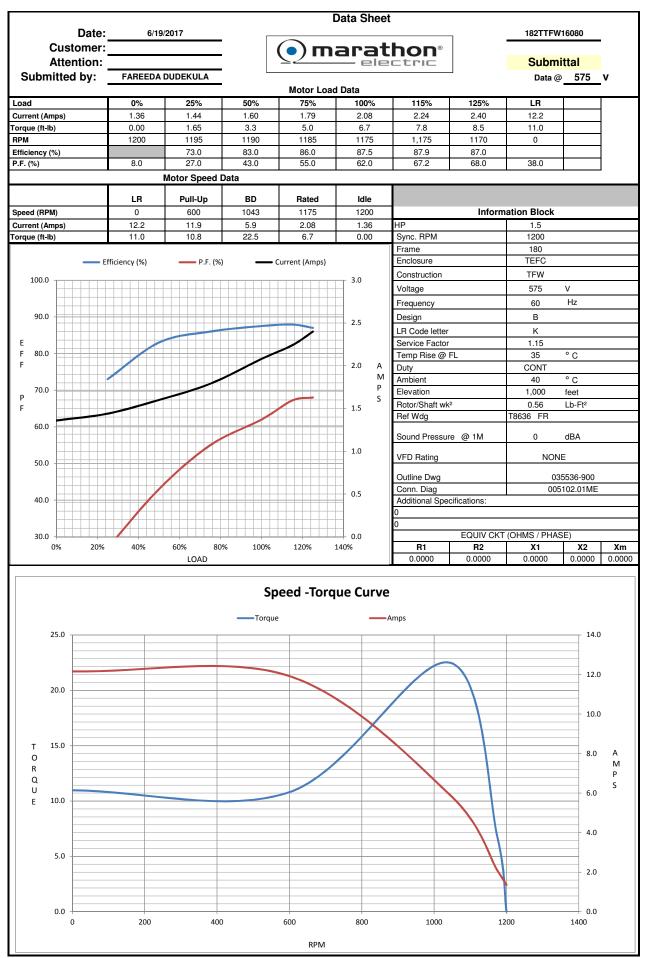
	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE								
ENCODER: NONE									
NONE NONE									
NONE NONE PPR									
BRAKE: NONE	NONE								
NONE P/N NO	ONE								
NONE NONE									
NONE FT-LB	NONE V	NONE Hz							

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* NOTES

** Subject to change without notice.

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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 : 182TTFW16080

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

Catalog No : E2130

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

Michael A. Logsdon Vice President, Technology

Created on 10/21/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer