PRODUCT INFORMATION PACKET

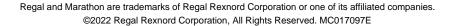


Model No: 182THTY7726 Catalog No: Y541A

Black Max® Inverter Duty Speed Ratio Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 182TC Frame,

TENV









Nameplate Specifications

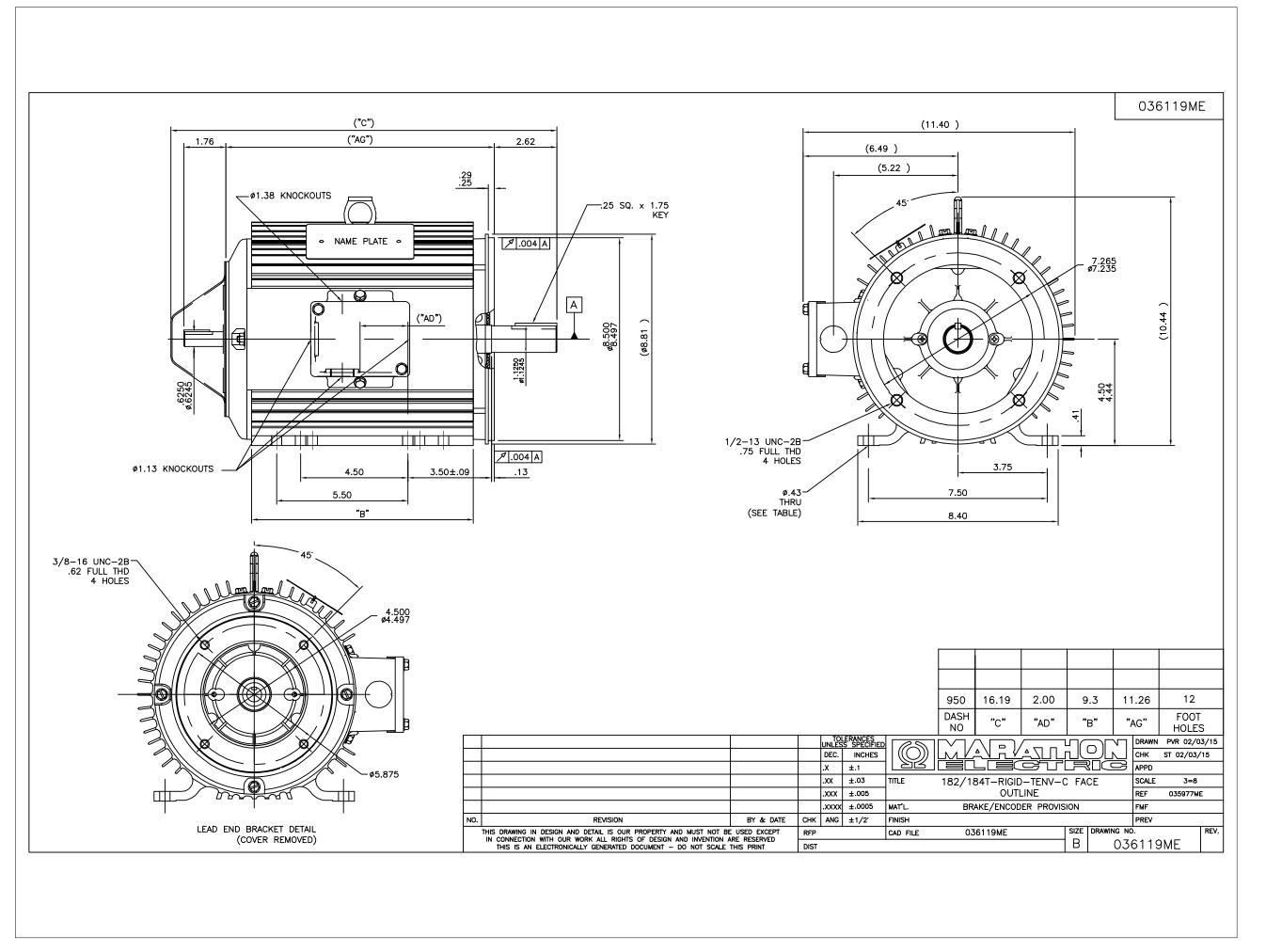
Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	8.2/4.1 A	Speed	1755 rpm
Service Factor	1	Phase	3
Efficiency	87.5 %	Power Factor	78.5
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	N
Frame	182TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

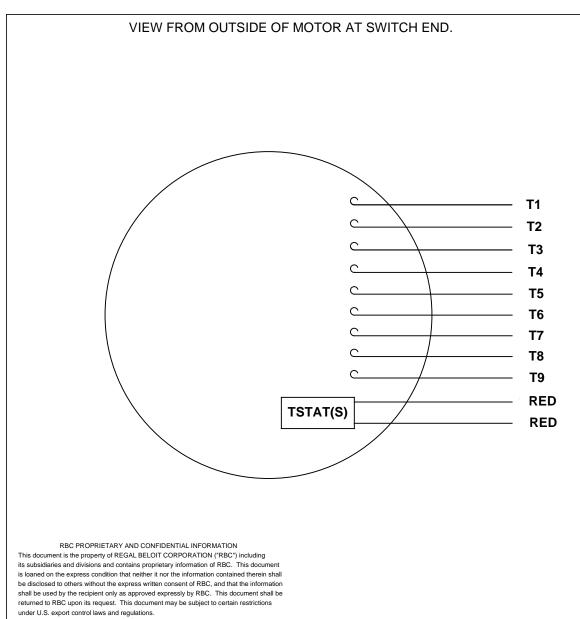
Technical Specifications

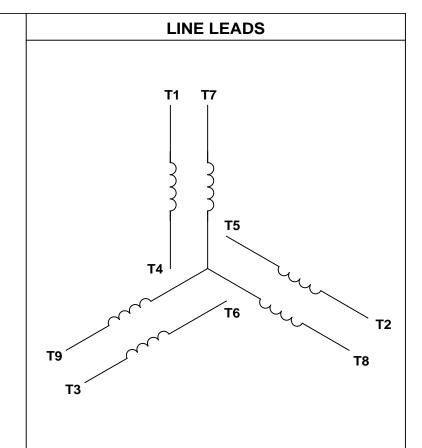
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	Т	Overall Length	16.19 in
Frame Length	9.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 1000:1		
Outline Drawing	036119ME-950	Connection Drawing	005010.20ME

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VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	Т3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TO UNLE	LERANCES SS SPECIFIED		٦		DRAWN	RDW 04/	13/04
				DEC	INCHES	<u> </u>	<u></u>	لحال	СНК		
				.X	±.1				APPR		
				.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM			SCALE	1:1	
				.xxx	±.005	3 PHASE			REF		
	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.xxxx	±.0005	MAT'L DECAL - 004014 (TSTAT) - 080582			FMF	129027	
NO	REVISION	BY & DATE	СНК	ANG	±1/2°	FINISH			PAGE	OF	
	THIRD ANGLE		RFP			PREV	SIZE	DRAWING	NO		REV
	PROJECTION -			NETWORK FILE NAME 00501020ME			Α	005	010-2	20MF	

CERTIFICATION DATA SHEET

 Model#:
 182THTY7726 AA
 WINDING#:
 T84180 NONE 3

 CONN. DIAGRAM:
 005010.20ME
 ASSEMBLY:
 F1/F2 CAPABLE

OUTLINE: 036119ME-950

TYPICAL MOTOR PERFORMANCE DATA

НР	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1755	182TC	TENV	N	INV

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	8.2/4.1	INVERTER	CONTINUOU	F4	1.0	40	3300
				ONLY	s				

FULL LOAD EFF: 87.5	FULL LOAD EFF: 87.5 3/4 LOAD EFF: 84 1/2 LOAD		GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78.5	3/4 LOAD PF: 73	1/2 LOAD PF: 61	87.5	SQ CAGE INV DUTY	4.6 / 2.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
9 LB-FT	92 / 46	34 LB-FT 378	49.3 LB-FT 548	75	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.42 LB-FT^2	0 LB-FT^2	0 SEC.	0	77 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	ХМ
1.578	1.802	2.838	2.091	94.13
RM	ZREF	XR	TD	TD0
0	1	0	0	0

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE OR ENCODER	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (ENAMEL)

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1144	ALUMINUM
6207	6206					STRESSPROOF	
0201	0200					(C-223)	

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 1000:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED

ENCODER: PROVISIONS ONLY

NONE NONE PPR

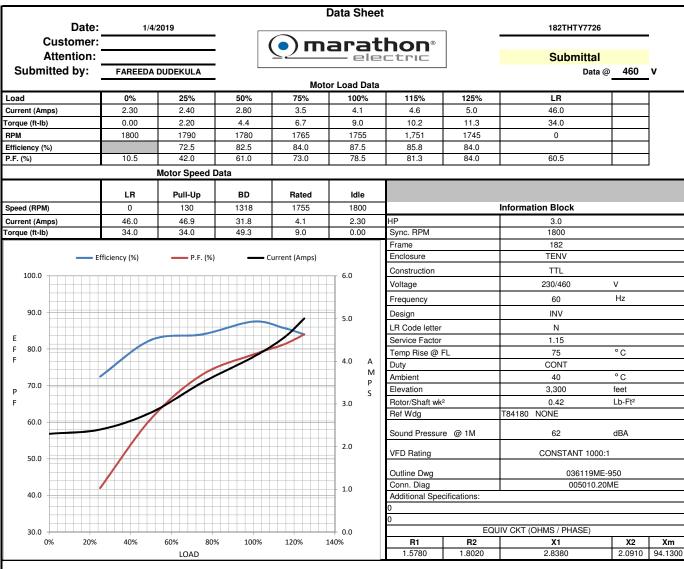
BRAKE: PROVISIONS ONLY NONE

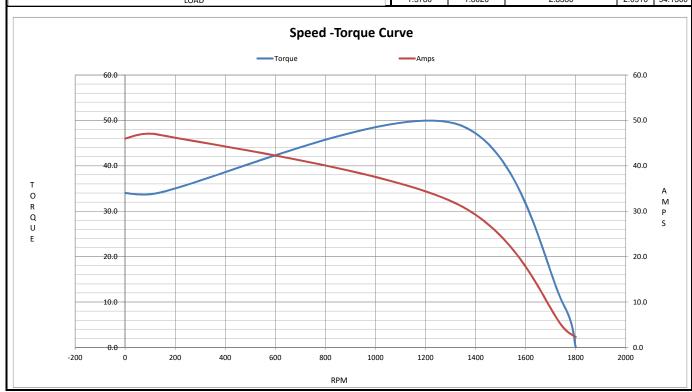
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NONE P/N NONE
NONE NONE NONE HZ

DATE: 06/27/2017 01:23:23 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.







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: 182THTY7726

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

Catalog No: Y541A

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

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

Michael A Logsdon

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

Authorized Representative:

Authorized Representative in the Community:

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

C€ 22