

PRODUCT INFORMATION PACKET

Model No: 182TCDR8005

Catalog No: Z425

Close-Coupled Pump Motor, 3 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 182JP Frame, DP



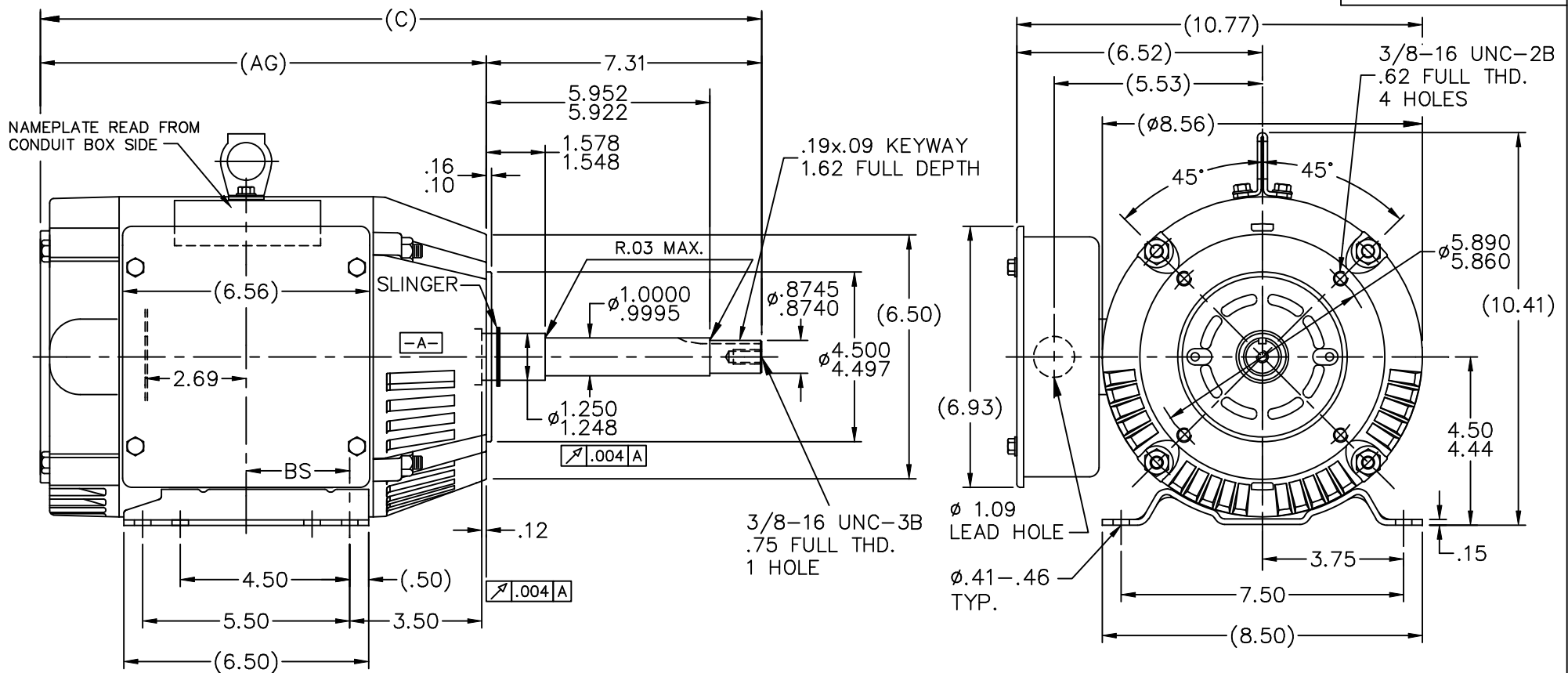


Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	115/230 V
Current	32.0/16.0 A	Speed	3460 rpm
Service Factor	1.15	Phase	1
Efficiency	74 %	Power Factor	78.7
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	G
Frame	182JP	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		

Technical Specifications

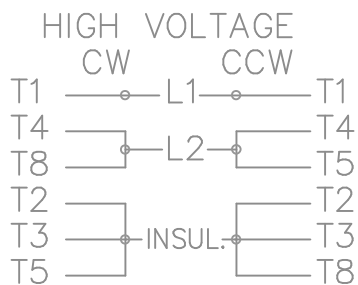
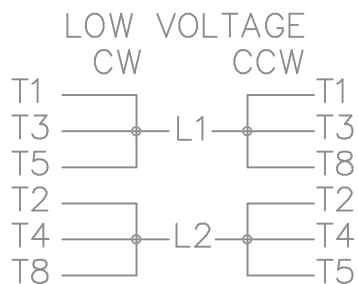
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	18.65 in
Frame Length	6.25 in	Shaft Diameter	0.875 in
Shaft Extension	7.31 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-SS67000-625	Connection Drawing	A-EE7085FP



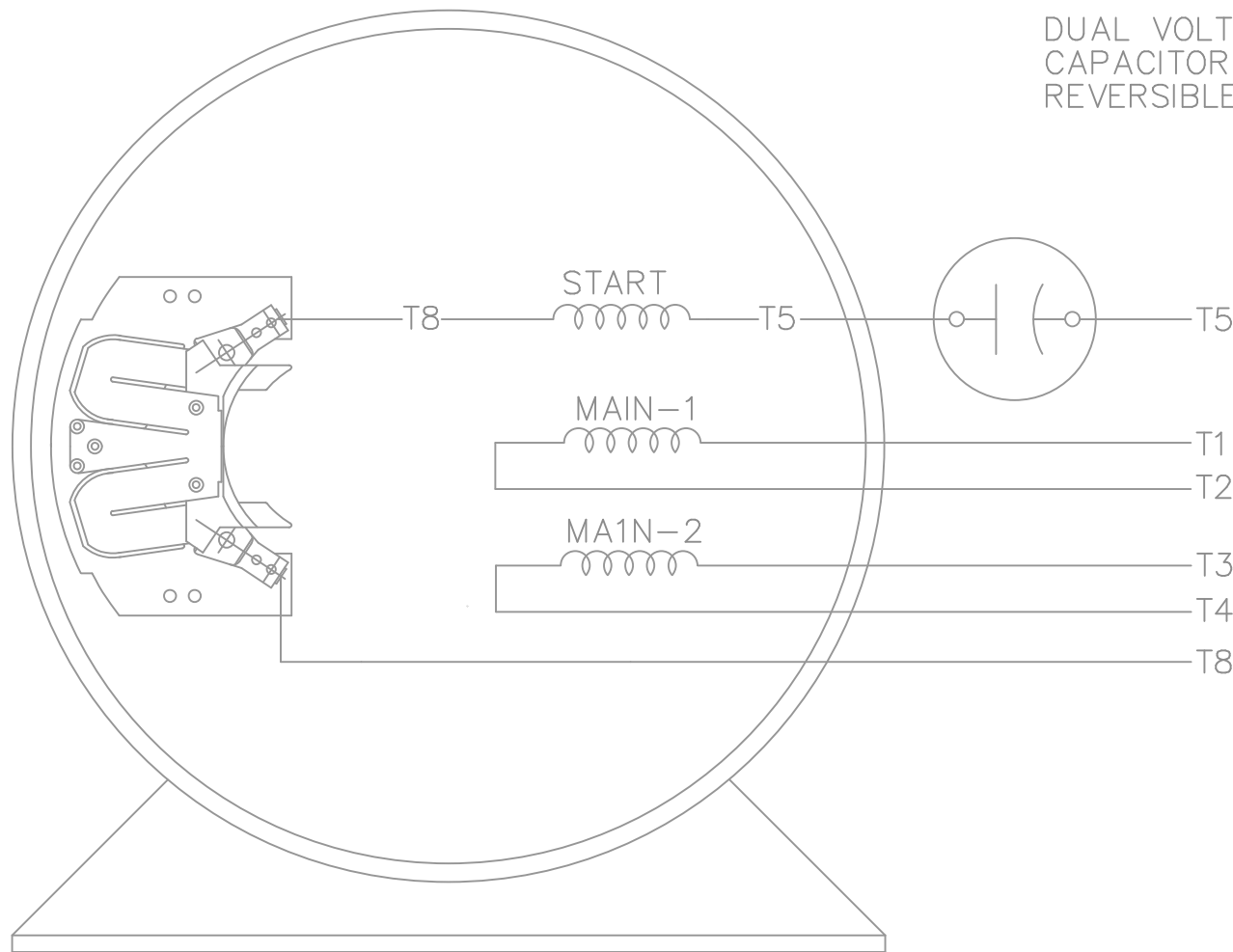
BOX CAN BE ROTATED IN 90° STEPS.

DASH	FR.	AG	C	BS	DASH	FR.	AG	C	BS
625	182	11.34	18.65	2.50	775	184	12.84	20.15	3.25
675	182	11.84	19.15	2.75	825	184	13.34	20.65	3.50
725	182	12.34	19.65	3.00	875	184	13.84	21.15	3.75
775	182	12.84	20.15	3.25					

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN DJK 12-16-1992						
				DEC.	INCHES		CHK	ML	12-17-1992				
10	REDRAWN IN AUTOCAD			TAT	07-13-2004	ML	.X	$\pm .1$	APPD GK 12-17-1992				
9	ADDED LIFT LUG		CN 34025	HLB	07-12-2001		.XX	$\pm .03$	SCALE 1=4				
8	REMOVED EYEBOLT			BLR	11-09-1995		.XXX	$\pm .005$	REF				
7	ADDED NEW BASE			DT	10-16-1995		.XXXX	$\pm .0005$	FMF				
NO.	REVISION			BY & DATE		CHK	ANG	$\pm 7'30''$	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 ss67000			SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	LB				A	SS67000			10



DUAL VOLTAGE
CAPACITOR START
REVERSIBLE



VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN GK 09-24-1986	
			DEC.	INCHES		CHK FG 09-24-1986	
			.X	± -	TITLE CONNECTION DIAGRAM	APPD ML 09-24-1986	SCALE 1=1
2	REDRAWN IN AUTOCAD	RWR 08-02-2004	.XXX	± -		REF	
1	NEW DRAWING CN7664C	GK 12-15-1996	.XXXX	± -	MAT'L.	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
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			DIST LB				EE7085FP 2

CERTIFICATION DATA SHEET

Model#: 182TCDR8005 AT
CONN. DIAGRAM: A-EE7085FP
OUTLINE: A-SS67000-625

WINDING#: CK8219 NONE 3
ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3460	182JP	DP	G	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/230	32/16	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: 74	3/4 LOAD EFF: 0	1/2 LOAD EFF: 0	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78.7	3/4 LOAD PF: 0	1/2 LOAD PF: 0	0	CAP START IND RUN	16.2 / 8.1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.51 LB-FT	151.2 / 75.6	6.72 LB-FT -	8.5 LB-FT -	30

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

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	RODENT	GRAY (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6307	6205						

THERMO-PROTECTORS				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 information

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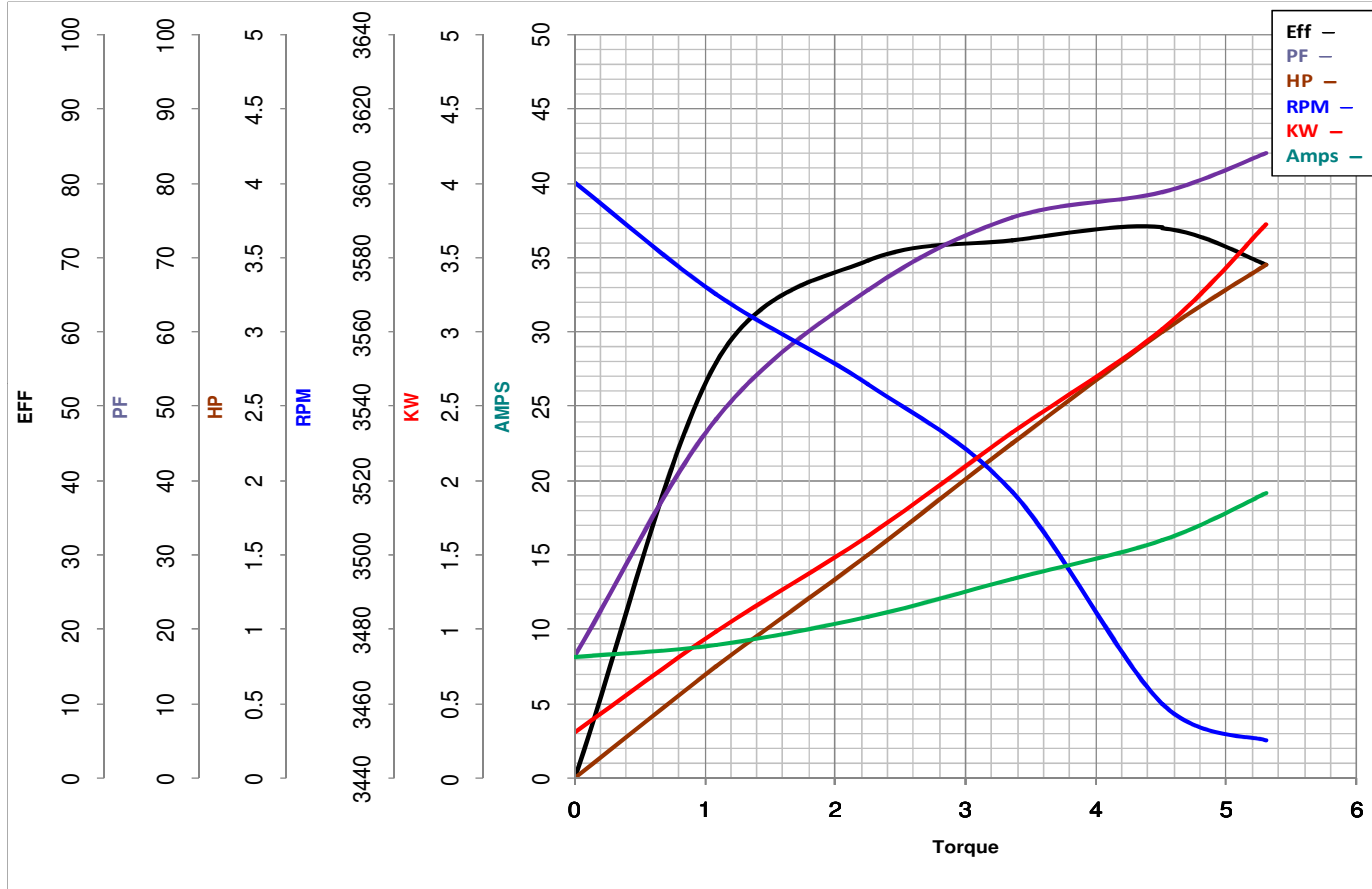
INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/27/2017 01:06:08 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 230 Volts HP 3.00 PHASE 1
60 HZ
3 HP VOLTS 115/230
 Model No 182TCDR8005
 Catalog No Z425 HZ 60 RPM 3460



		Torque in Lb.Ft		
FL TORQUE	<u>4.51</u>	Lb.Ft	FL AMPS	<u>32/16</u>
BD TORQUE	<u>8.5</u>	Lb.Ft	PU TORQUE	<u>6.9</u> Lb.Ft
LR TORQUE	<u>6.72</u>	Lb.Ft	LR AMPS	<u>75.6</u>
WINDING	CK8219-3		Date	1/25/2019

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 : 182TCDR8005

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

Catalog No : Z425

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