

PRODUCT INFORMATION PACKET

Model No: 182TCDR8005

Catalog No: Z425

3 HP Close-Coupled Pump Motor, 1 phase, 3600 RPM, 115/230 V, 182JP Frame, ODP
JP Motors



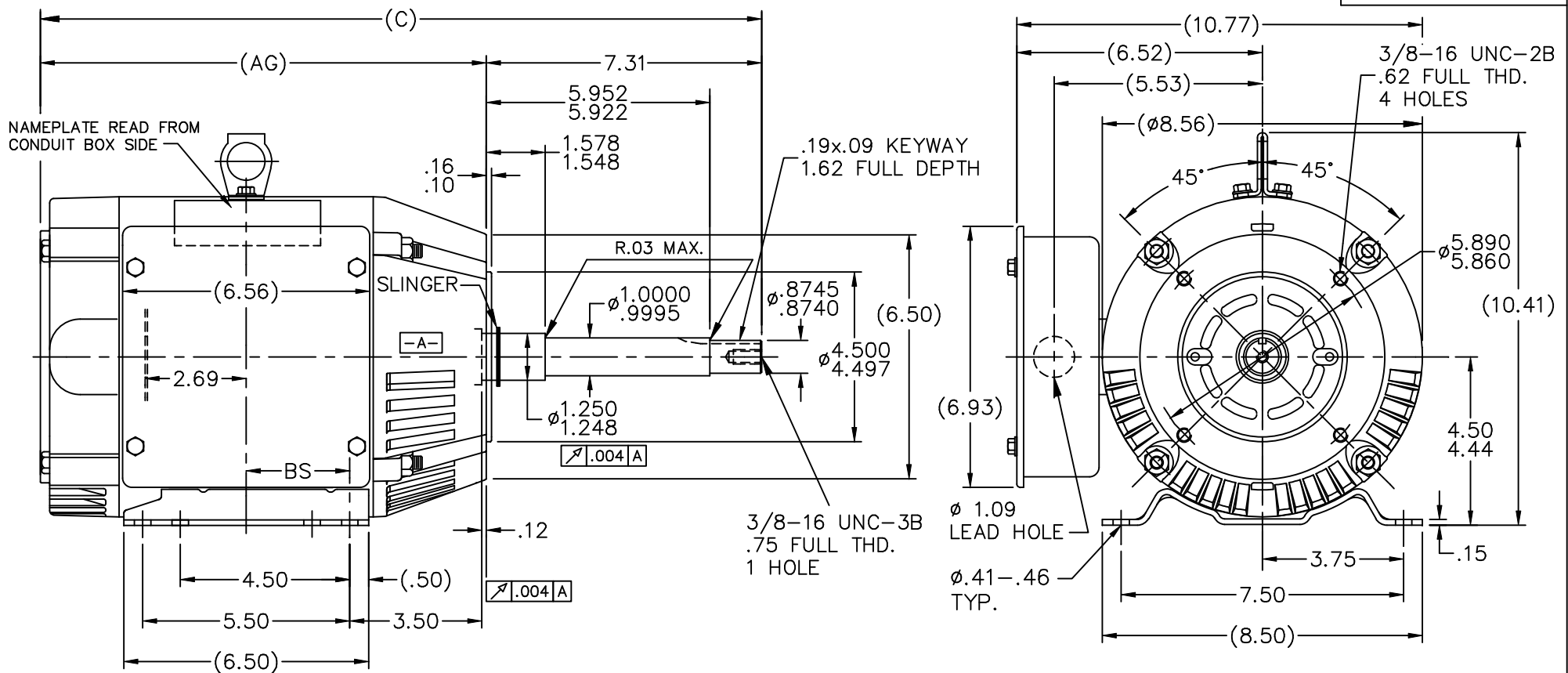
Nameplate Specifications

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	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	23

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

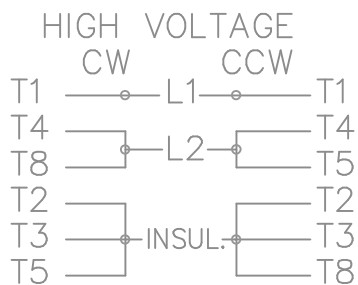
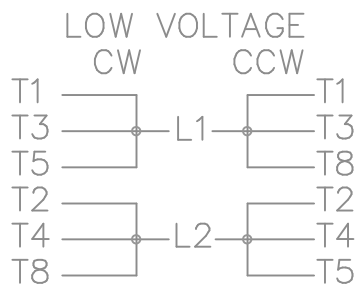
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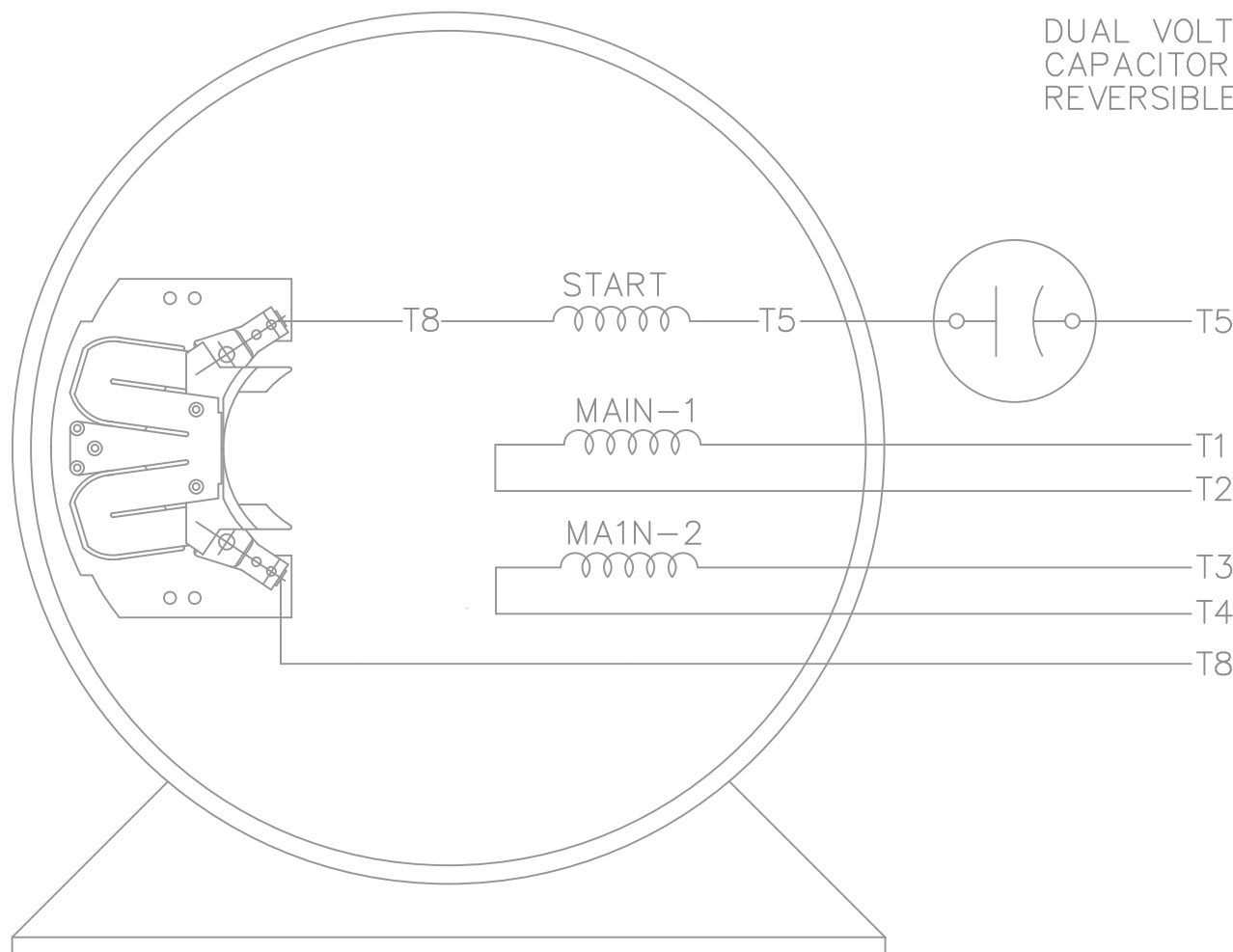
BOX CAN BE ROTATED IN 90° STEPS.

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				
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				DIST	LB				A	SS67000			10



DUAL VOLTAGE
CAPACITOR START
REVERSIBLE



VIEW OF TERMINAL END

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



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

HP 3.00

PHASE 1

Model No 182TCDR8005

60

HZ

VOLTS 115/230

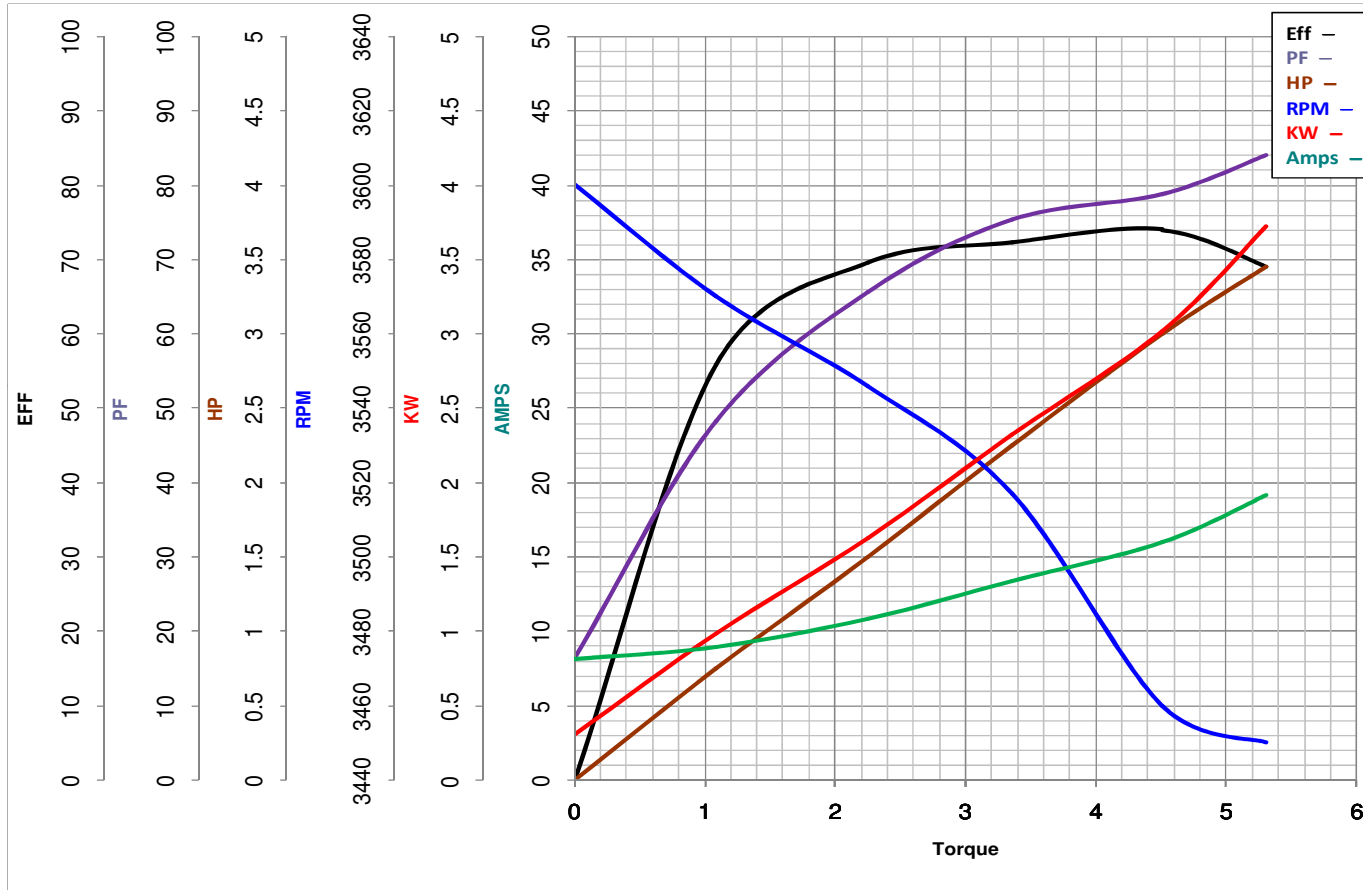
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HP

Catalog No Z425

HZ 60

RPM 3460



Torque in Lb.Ft

FL TORQUE 4.51 Lb.Ft
BD TORQUE 8.5 Lb.Ft
LR TORQUE 6.72 Lb.Ft

FL AMPS 32/16
PU TORQUE 6.9 Lb.Ft
LR AMPS 75.6

WINDING CK8219-3

Date 1/25/2019