

PRODUCT INFORMATION PACKET

Model No: 182TTDR4124

Catalog No: U166

5 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 182JP Frame, ODP
Close-Coupled Pump Motors



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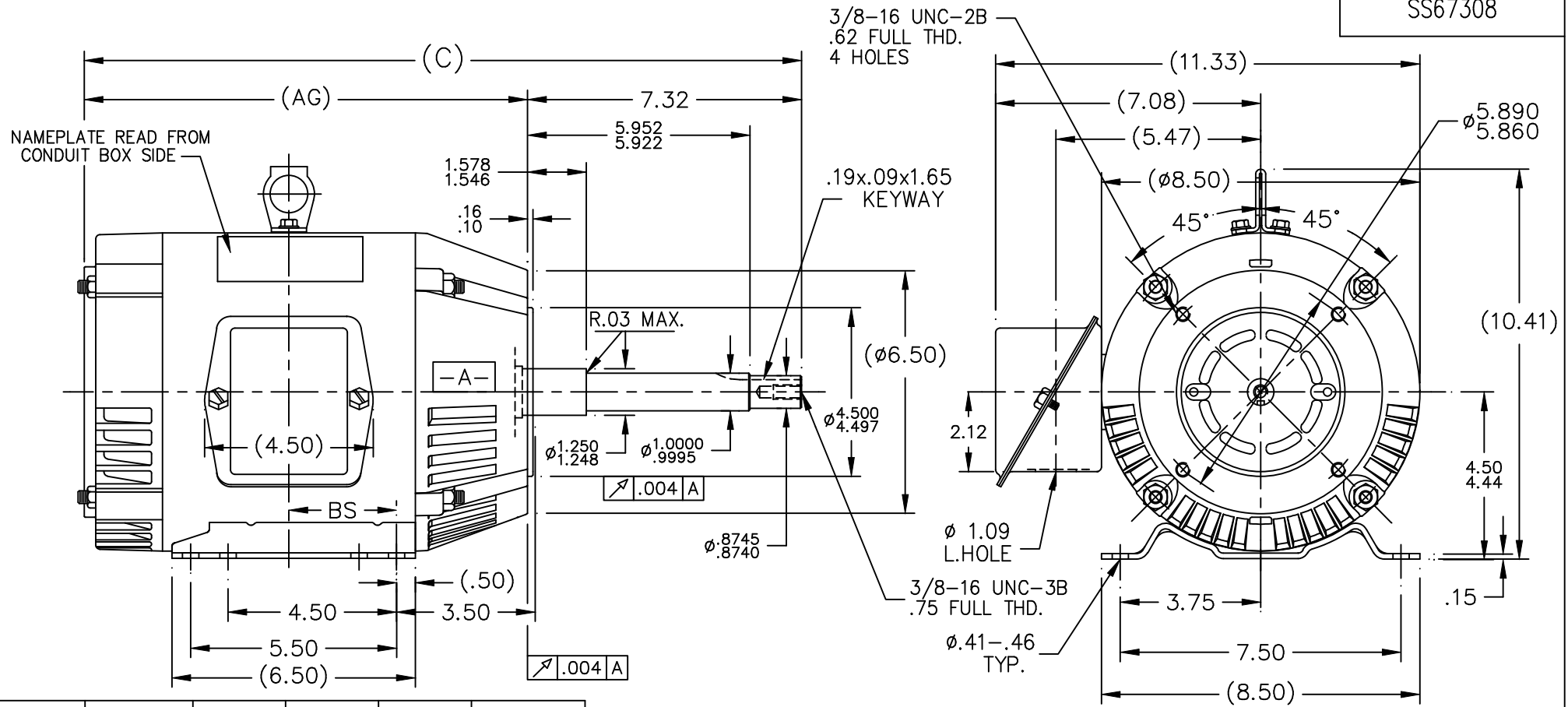
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	575 V
Current	4.8 A	Speed	3475 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	89
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	J
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	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	2.8 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	19.16 in
Frame Length	6.75 in	Shaft Diameter	0.875 in
Shaft Extension	7.32 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	A-SS67308-675	Connection Drawing	A-EE7300

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DASH	FR.	AG	C	BS	MOUNTING
575	182T	10.84	18.16	2.75	F1 OR F2
675	182/4T	11.84	19.16	3.25	F1 ONLY
725	182/4T	12.34	19.66	3.00	F1 ONLY
775	182/4T	12.84	20.16	3.75	F1 ONLY

NOTES:

1. BOX CAN BE ROTATED IN 90° STEPS.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN MJD 05-22-1997		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"		CHK	ML 05-28-1997	
7	COMBINED -675 182T & 184T INTO ONE DASH	DRS 08-29-2002	ML	DEC.	INCHES	TITLE OUTLINE 180T FR. - BB - TS - DR.PR. - 'JP' EXT. MAT'L. FINISH	APPD GK 05-28-1997		
6	UDPATED SHAFT EXTENSION LENGTHS CN 31327	DRS 10-12-2001		.X	±.1		SCALE 1=4		
5	ADDED LIFTING LUG MU39693	CAV 09-11-2001		.XX	±.03		REF		
4	ADDED -675 W/ F1 ONLY MOUNTING CN 27400-320	CAE 11-02-1999		.XXX	±.005		FMF		
3	REDRAWN ON CADD	MJD 05-28-1997		.XXXX	±.0005		PREV		
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		DIST LB			A	SS67308			7

**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



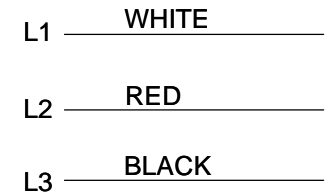
VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**



DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300
SHEET 1 OF 1	

Data Sheet

Date: 6/19/2017

182TTDR4124

Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.28	2.00	2.80	3.8	4.8	5.6	6.2	36.8
Torque (ft-lb)	0.00	1.90	3.7	5.6	7.5	8.7	9.5	16.0
RPM	3600	3570	3540	3505	3475	3,445	3430	0
Efficiency (%)		82.5	87.5	87.5	86.5	85.5	84.5	
P.F. (%)	18.0	59.0	78.0	86.0	89.0	89.0	90.0	50.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1000	2950	3475	3600
Current (Amps)	36.8	32.8	21.6	4.8	1.28
Torque (ft-lb)	16.0	15.0	23.0	7.5	0.00

Information Block				
HP	5.0			
Sync. RPM	3600			
Frame	182			
Enclosure	DP			
Construction	TDR			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	35 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.24 Lb-Ft ²			
Ref Wdg	K182264 NONE			
Sound Pressure @ 1M	71 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS67308-675			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.0560	2.1970	7.3800	4.0040	209.0810

