

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTDW8204

Catalog No: C1104

General Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,
182TC Frame, DP

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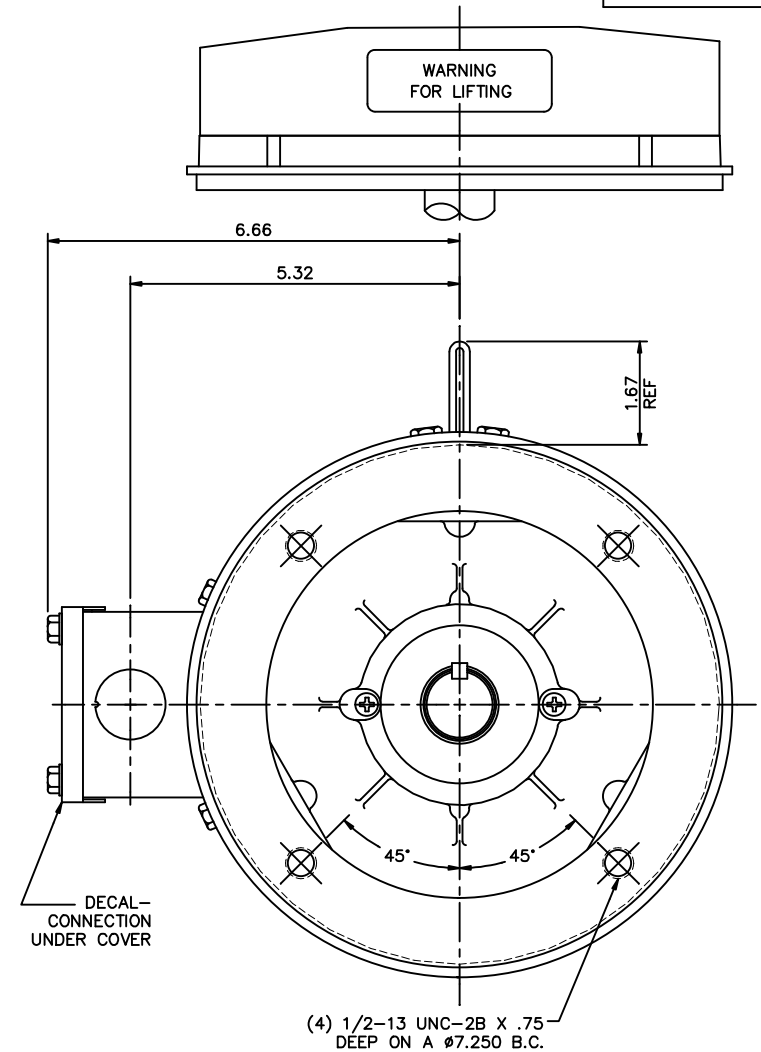
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	208-230/460 & 190/380 V
Speed	3455 & 2915 rpm	Service Factor	1.15 & 1.15
Frame	182TC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	81.5 & 82.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	14.6-14/7 & 11.2/5.5 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	3.5 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.23 in
Frame Length	8.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 Only
Outline Drawing	035574-850	Connection Drawing	005010.01ME

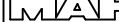


GASKETS THROUGHOUT

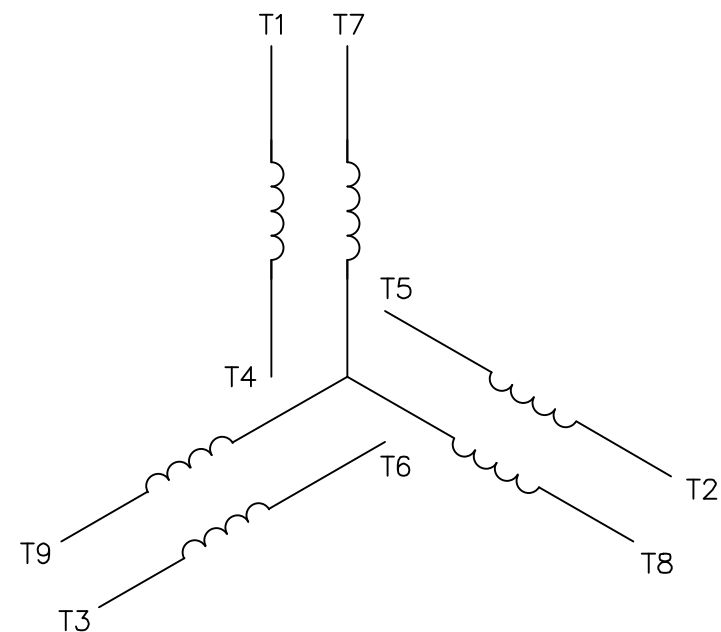
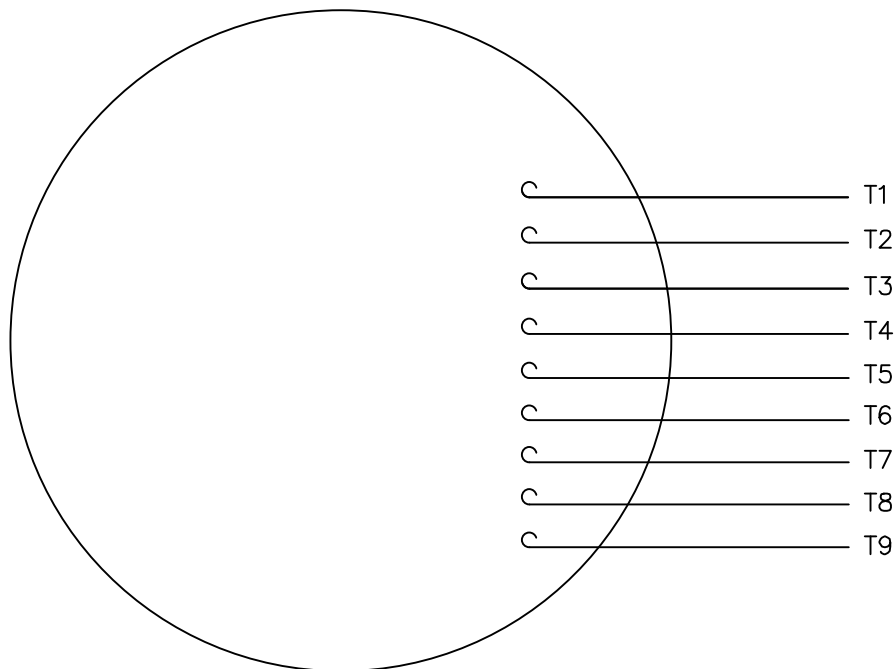
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

DASH NO.	"C"	"AD"
850	13.23	7.88
900	13.73	8.38
950	14.23	8.88
1000	14.73	9.38
1050	15.23	9.88
1100	15.73	10.38
1150	16.23	10.88


			TOLERANCES UNLESS SPECIFIED
			DEC. INCHES
		.X	±.1
		.XX	±.03
		.XXX	±.005
		.XXXX	±.0005
NO.	REVISION	BY & DATE	CHK ANG ±1/2"
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			DIST NLV

		DRAWN KVN 09/13/2007	
		CHK	
		APPD	RDW
TITLE		SCALE 1=2	
OUTLINE - 180T FRAME DRIP PROOF - "C" FACE		REF 035478	
MAT'L		FMF 182TTDW8204	
FINISH		PREV	
CAD FILE	035574	SIZE B	DRAWING NO. 035574
		REV.	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

				TOLERANCES UNLESS SPECIFIED					DRAWN RDW 04/12/02		
				DEC.	INCHES				CHK		
				.X	±.1				APPD		
				.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			SCALE 1=1		
				.XXX	±.005				REF FIG.2—51		
				.XXXX	±.0005	MAT'L. DECAL — 004014			FMF		
NO.	REVISION		BY & DATE	CHK	ANG	±1/2*	FINISH			PREV	
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				DIST							