

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTFC6027

Catalog No: U607A

General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,
182T Frame, TEFC



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RegalRexnord



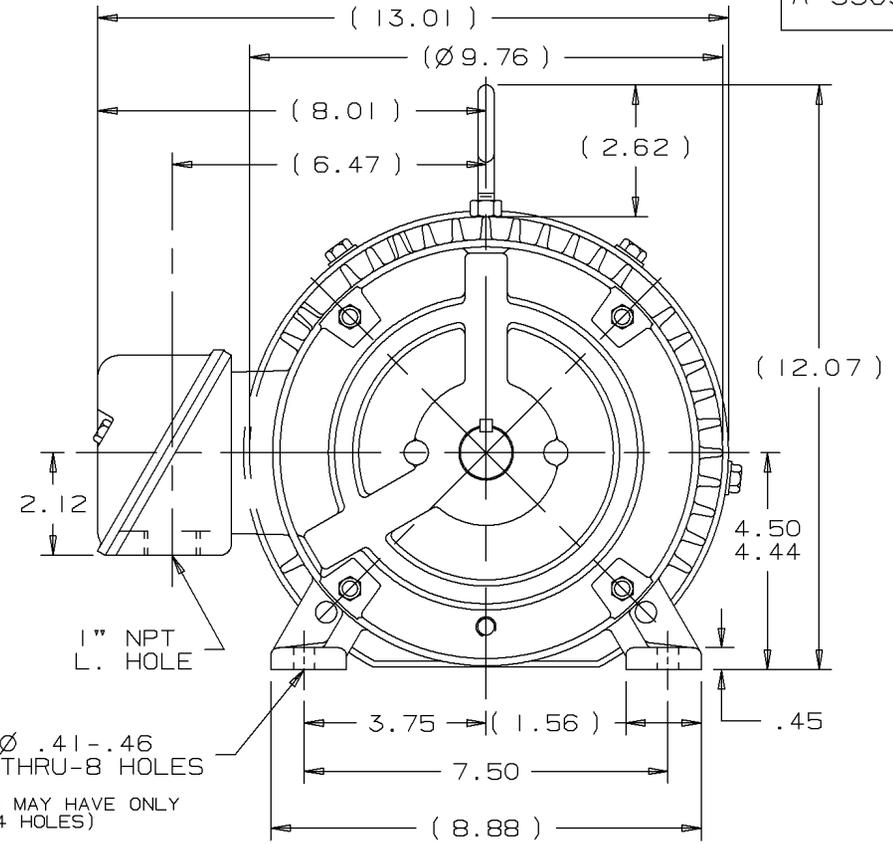
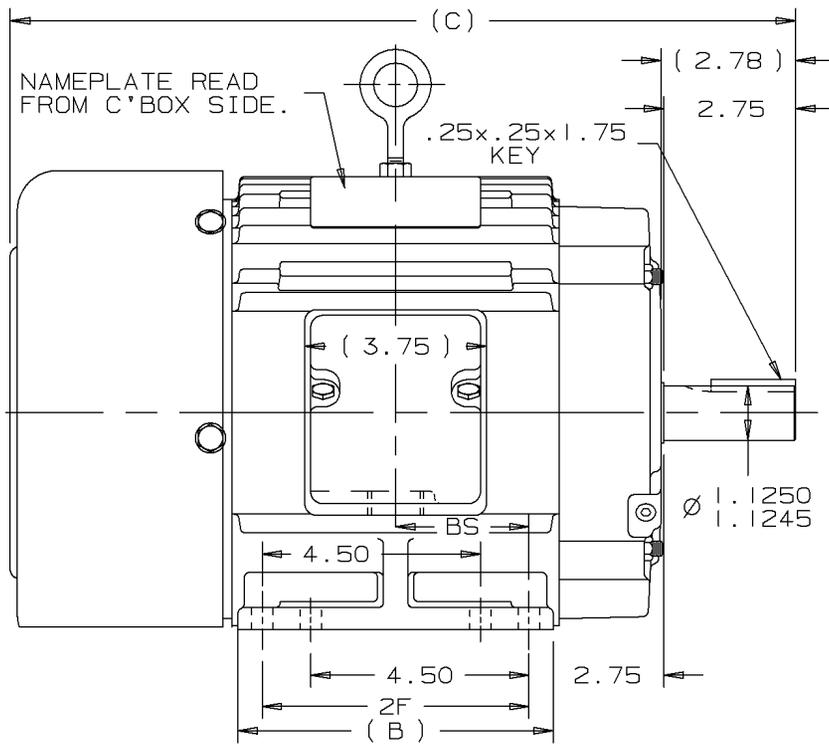
Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	208-230/460 & 190/380 V
Speed	1770 & 1465 rpm	Service Factor	1.15 & 1.15
Frame	182T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	90.2 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8.3-8.4 & 6.6/3.3 A	Power Factor	79.5
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	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	14.80 in	Shaft Diameter	1.130 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	00501001ME	Outline Drawing	SS69232

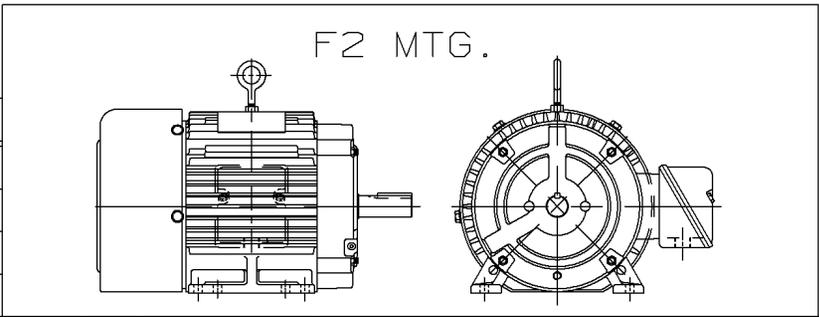
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BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS & TURNING FRAME 180°.

BOX CAN BE ROTATED IN 90° STEPS.

DASH	FR.	C	B	2F	BS
575	182T	15.19	5.50	4.50	2.25
675	184T	16.19	6.50	5.50	2.75
800	184T	17.44	7.75	5.50	3.38



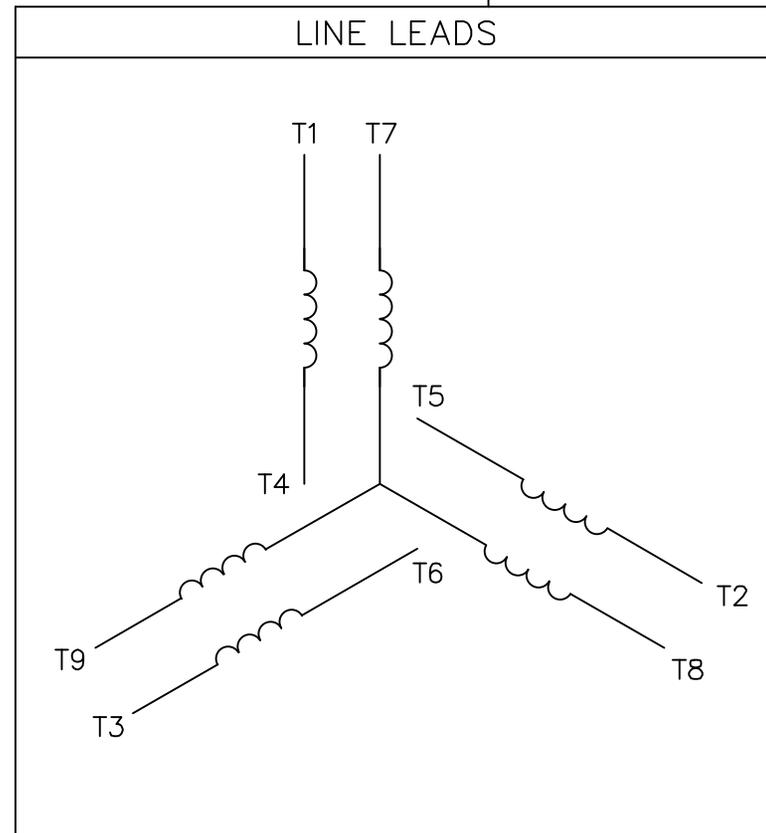
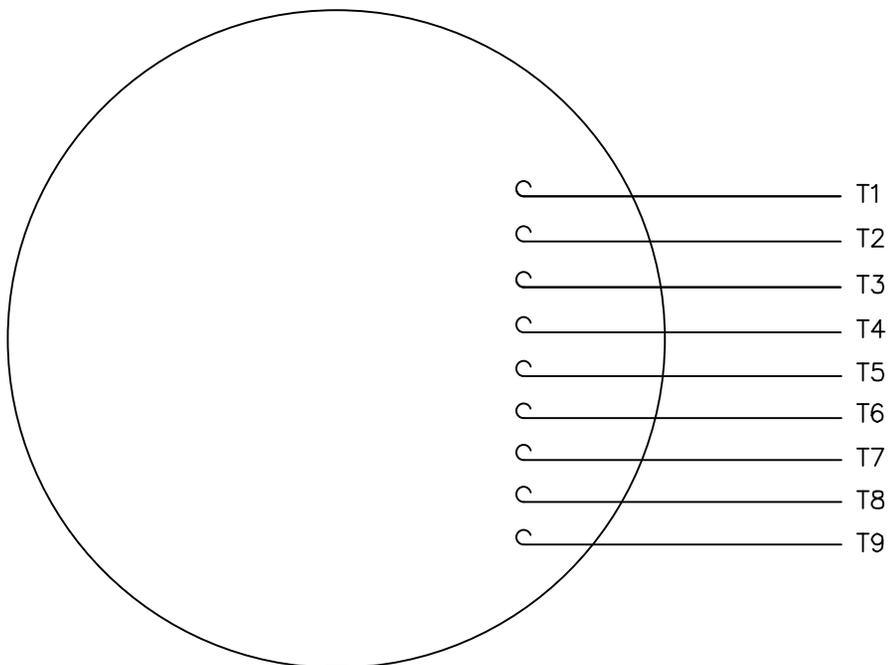
				TOLERANCES UNLESS SPECIFIED				DRAWN CTO 02-05-2002	
				DEC.	TOLERANCE			CHK DRS 02-05-2002	
				.X	± .1			APPD TB 02-05-2002	
				.XX	± .03			SCALE	
				.XXX	± .005	TITLE OTULINE		REF	
				.XXXX	± .0005	180 FR. - BB - TS - TEFC		FMF	
1 NEW DRAWING		CN 34817		CTO	02-05-2002	<input checked="" type="checkbox"/> SURFACE ROUGHNESS UNLESS SPECIFIED		PREV	
NO. REVISION		BY DATE		CHK	ANG	MAT'L. FINISH			
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				PURCHASED		CAD FILE SS69232		SHOP BOOK	
				DIST WA - LB - WP - LM - BR - BY		SIZE A		DRAWING NO. SS69232	
								REV. 1	

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ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
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```
STACK:
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```
/im  
-savelevel-
```

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	SCALE 1=1					
		.XXX	±.005	REF FIG.2-51					
		.XXXX	±.0005	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV			
				±1/2"					
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	04/12/02	CAD FILE	00501001ME	SIZE	DRAWING NO.	REV.
			DIST				A	005010-01ME	



TITLE EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR
MAT'L. DECAL - 004014

** Subject to change without notice.

Data Sheet

Date: 12/13/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



182TTFC6027

Submittal

Data @ 460 V

Motor Load Data

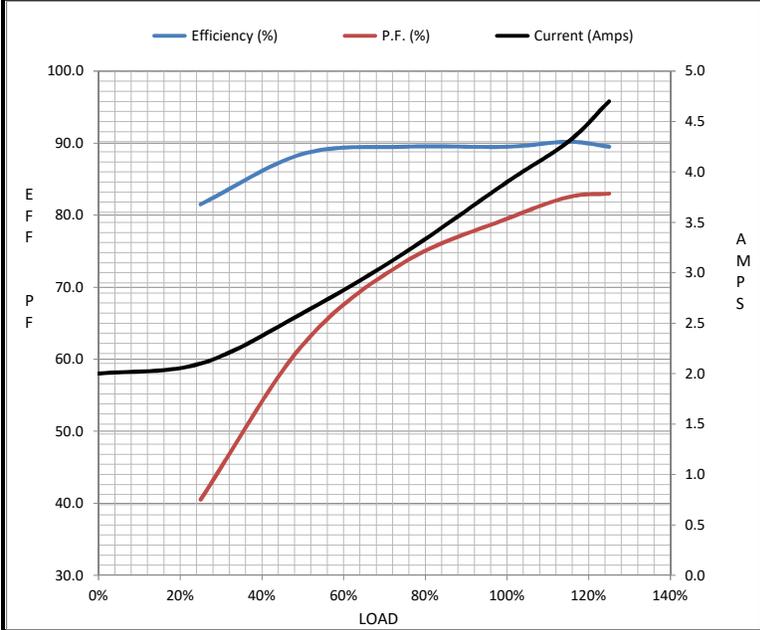
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.00	2.10	2.60	3.2	3.9	4.3	4.7	29.4
Torque (ft-lb)	0.00	2.20	4.4	6.7	8.9	10.3	11.2	19.5
RPM	1800	1795	1785	1775	1770	1,765	1760	0
Efficiency (%)		81.5	88.5	89.5	89.5	90.2	89.5	
P.F. (%)	7.5	40.5	62.0	73.5	79.5	82.5	83.0	36.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	375	1575	1770	1800
Current (Amps)	29.4	26.0	18.3	3.9	2.00
Torque (ft-lb)	19.5	15.0	32.7	8.9	0.00

Information Block

HP	3.0			
Sync. RPM	1800			
Frame	182			
Enclosure	TEFC			
Construction	TFS			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	28 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.34 Lb-Ft ²			
Ref Wdg	T08704010 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	SS69232			
Conn. Diag	5010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

