

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 184TTDW6076  
Catalog No: U1267  
2,1200,DP,184T,3/60/230/460  
Open Drip Proof (ODP)



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**REGAL**<sup>®</sup>



### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>6.8/3.4 A</b>	Speed	<b>1175 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>87.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>K</b>	Frame	<b>184T</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6206</b>
Opp Drive End Bearing Size	<b>6205</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>22</b>		

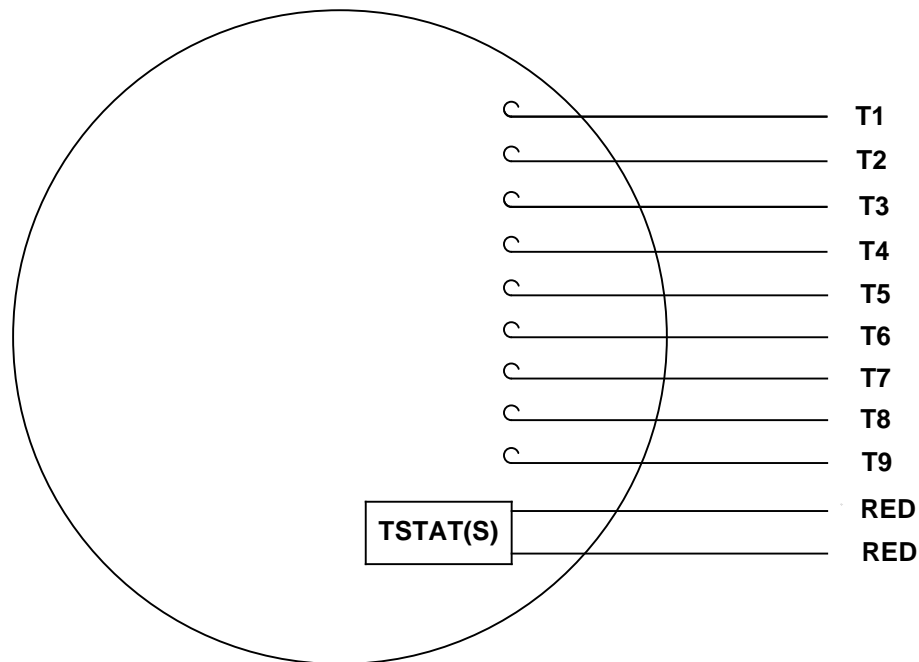
### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>T</b>
Overall Length	<b>14.19 in</b>	Frame Length	<b>10.00 in</b>
Shaft Diameter	<b>1.125 in</b>	Shaft Extension	<b>2.81 in</b>
Assembly/Box Mounting	<b>F1 Only</b>		
Outline Drawing	<b>035675ME-1000</b>	Connection Diagram	<b>005010.20ME</b>

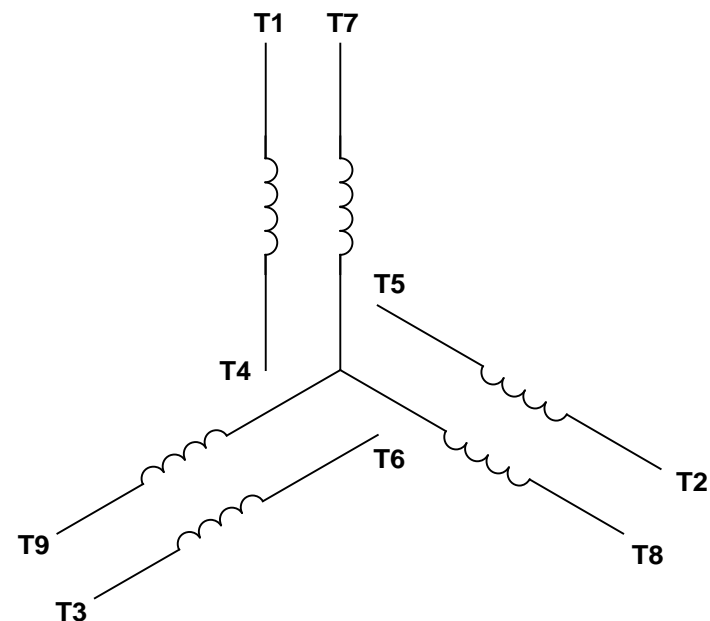
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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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

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		TOLERANCES UNLESS SPECIFIED				DRAWN RDW 04/13/04	
		DEC	INCHES			CHK	
		.X	±.1			APPR	
		.XX	±.01			SCALE 1:1	
			.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM		REF
			.XXX	±.0005	3 PHASE		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11			MAT'L DECAL - 004014 (TSTAT) - 080582		FMF 129027
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	FINISH		PAGE OF
THIRD ANGLE PROJECTION			RFP	PREV	SIZE	DRAWING NO	
			NETWORK FILE NAME 00501020ME		A	005010-20ME	
							REV --



Data Sheet

Date: 29-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



184TTDW6076

Submittal

Data @ 460 V

Motor Load Data

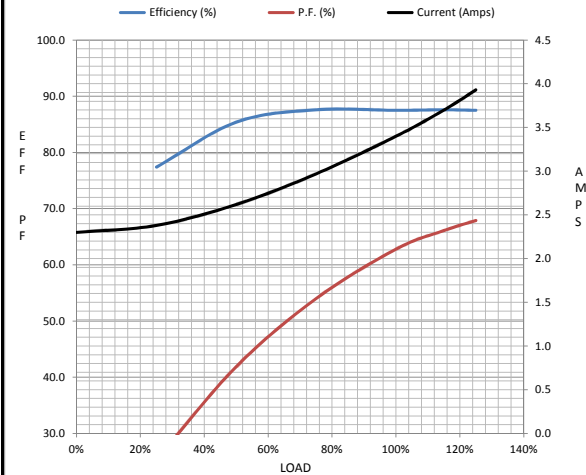
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.30	2.38	2.62	2.97	3.4	3.7	3.9	22.0
Torque (ft-lb)	0.00	2.19	4.4	6.7	8.9	10.3	11.2	17.6
RPM	1200	1195	1189	1183	1175	1,173	1170	0
Efficiency (%)		77.4	85.4	87.6	87.5	87.5	87.5	
P.F. (%)	6.3	25.3	41.9	54.0	62.8	66.1	67.9	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1104	1175	1200
Current (Amps)	22.0	20.2	13.2	3.4	2.30
Torque (ft-lb)	17.6	17.5	31.2	8.9	0.00

Information Block

HP	2.0			
Sync. RPM	1200			
Frame	180			
Enclosure	DP			
Construction	TDW			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	46 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.46 Lb-Ft <sup>2</sup>			
Ref Wdg	T8637 DR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	035675ME-1000			
Conn. Diag	005010.20ME			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

