

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 215TTFS6505  
Catalog No: E657  
10,3600,TEFC,215T,3/60/575  
Severe Duty



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**REGAL**<sup>®</sup>



### Nameplate Specifications

Output HP	<b>10 Hp</b>	Output KW	<b>7.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>9.5 A</b>	Speed	<b>3535 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>91.7 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>H</b>	Frame	<b>215T</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6307</b>
Opp Drive End Bearing Size	<b>6206</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>54</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</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>Cast Iron</b>	Shaft Type	<b>T</b>
Overall Length	<b>19.72 in</b>	Frame Length	<b>8.75 in</b>
Shaft Diameter	<b>1.375 in</b>	Shaft Extension	<b>3.56 in</b>
Assembly/Box Mounting	<b>F1/F2 Capable</b>		
Outline Drawing	<b>B-SS84236-875</b>	Connection Diagram	<b>A-EE7300</b>

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**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**

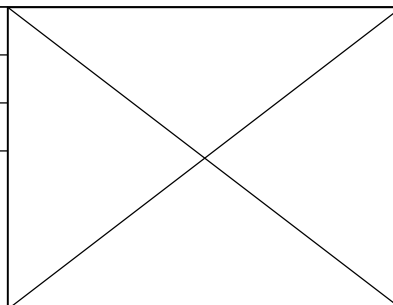



A-9806 DECAL

**OPTIONAL CORD  
CONNECTION**

- L1 \_\_\_\_\_ WHITE \_\_\_\_\_
- L2 \_\_\_\_\_ RED \_\_\_\_\_
- L3 \_\_\_\_\_ BLACK \_\_\_\_\_

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION <b>UPDATED TO CURRENT STANDARDS</b>		
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DRAWN BY DA	 <b>Regal Beloit America, Inc.</b>		
DATE 03-26-1993			
APPROVED BY TB	DESCRIPTION <b>CONNECTION DIAGRAM</b> EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR		
DATE 03-26-1993	MATERIAL	PROCESS/FINISH	
REFERENCE	SIZE <b>A</b>	DRAWING NUMBER <b>EE7300</b>	SHEET 1 OF 1



Data Sheet

Date: 19-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



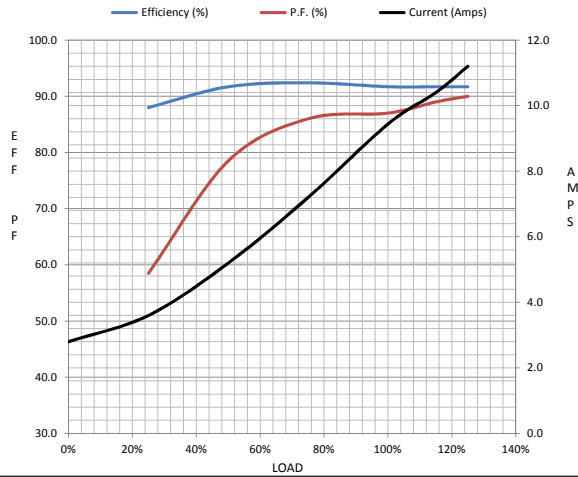
215TTF56505

Submittal

Data @ 575 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.80	3.6	5.2	7.2	9.4	10.4	11.2	64.0	
Torque (ft-lb)	0.00	3.5	7.5	11.0	14.9	17.0	18.5	30.0	
RPM	3600	3585	3570	3555	3535	3,530	3525	0	
Efficiency (%)		88.0	91.7	92.4	91.7	91.7	91.7		
P.F. (%)		8.5	58.5	78.5	86.0	87.0	89.0	90.0	40.0

Motor Speed Data						Information Block	
	LR	Pull-Up	BD	Rated	Idle		
Speed (RPM)	0	1800	3175	3535	3600	HP	10.0
Current (Amps)	64.0	57.6	40.0	9.4	2.80	Sync. RPM	3600
Torque (ft-lb)	30.0	27.0	46.0	14.9	0.00	Frame	215



HP	10.0			
Sync. RPM	3600			
Frame	215			
Enclosure	TEFC			
Construction	TFN			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	50 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.68 Lb-Ft <sup>2</sup>			
Ref Wdg	K215295 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	CONSTANT 20:1			
Outline Dwg	B-SS84236-875			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.8170	0.6210	2.8220	3.2220	112.7130

