

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 215TTFS6576
Catalog No: E635
5,1200,TEFC,215T,3/60/460
Severe Duty



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REGAL[®]



Nameplate Specifications

Output HP	5 HP	Output KW	3.7 kW
Frequency	60 Hz	Voltage	460 V
Current	6.9 A	Speed	1170 RPM
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Frame	215T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6307
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	54		

Technical Specifications

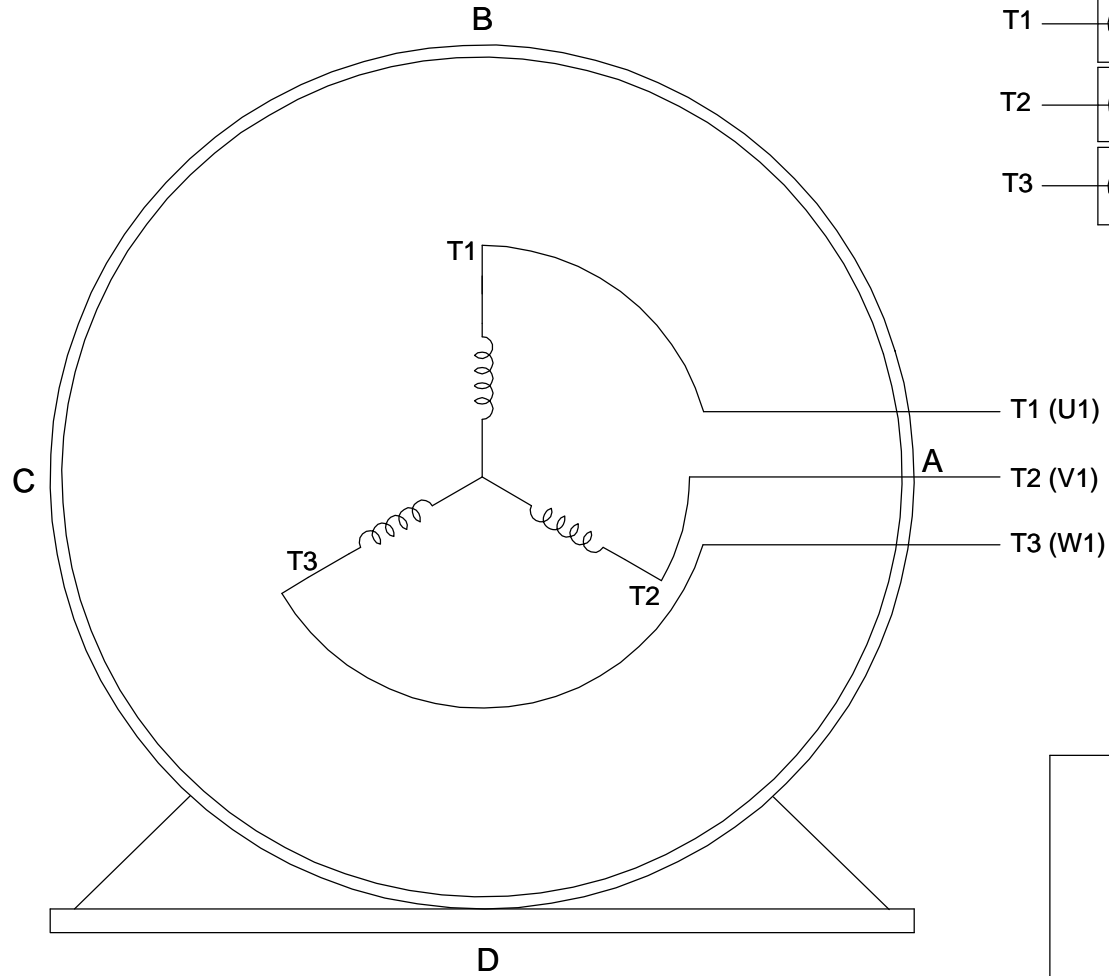
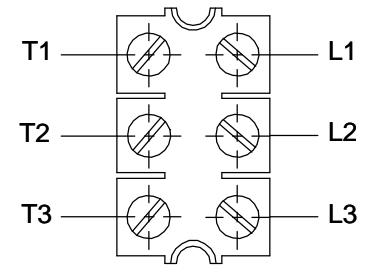
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	19.72 in	Frame Length	8.75 in
Shaft Diameter	1.375 in	Shaft Extension	3.56 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS84236-875	Connection Diagram	A-EE7300

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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 UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA	 Regal Beloit America, Inc.
DATE 03-26-1993	
APPROVED BY TB	DESCRIPTION CONNECTION DIAGRAM
DATE 03-26-1993	EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
REFERENCE	MATERIAL
PROCESS/FINISH	
THIRD ANGLE PROJECTION 	SIZE A
DRAWING NUMBER EE7300	SHEET 1 OF 1

Data Sheet

Date: 15-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



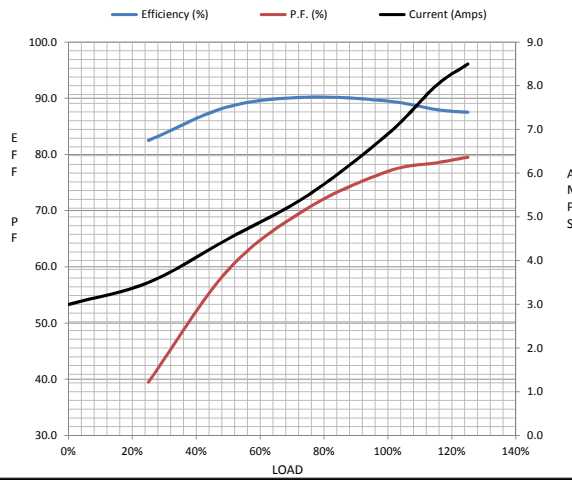
215TTF56576

Submittal

Data @ 460 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.0	3.5	4.5	5.5	6.9	8.0	8.5	46.0	
Torque (ft-lb)	0.00	5.5	11.0	16.5	22.5	26.0	28.5	46.0	
RPM	1200	1195	1185	1175	1170	1,165	1160	0	
Efficiency (%)		82.5	88.5	90.2	89.5	88.0	87.5		
P.F. (%)	6.5	39.5	59.5	70.5	77.0	78.5	79.5	43.0	

Motor Speed Data						Information Block	
	LR	Pull-Up	BD	Rated	Idle		
Speed (RPM)	0	600	1030	1170	1200	HP	5.0
Current (Amps)	46.0	40.0	30.0	6.9	3.0	Sync. RPM	1200
Torque (ft-lb)	46.0	40.0	75.0	22.5	0.00	Frame	215
						Enclosure	TEFC
						Construction	TFN
						Voltage	460 V
						Frequency	60 Hz
						Design	B
						LR Code letter	H
						Service Factor	1.15
						Temp Rise @ FL	45 ° C
						Duty	CONT
						Ambient	40 ° C
						Elevation	1,000 feet
						Rotor/Shaft wk²	0.95 Lb-Ft²
						Ref Wdg	K2156157 NONE
						Sound Pressure @ 1M	55 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
1.1360	1.1810 4.7880 5.2260 69.2960

