

PRODUCT INFORMATION PACKET

Model No: 215TTFS6580
Catalog No: E683
5,1200,TEFC,215T,3/60/575
Severe Duty



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Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	575 V
Current	5.5 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
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.		
		DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1

Data Sheet

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



215TTFS6580

Submittal

Data @ 575 V

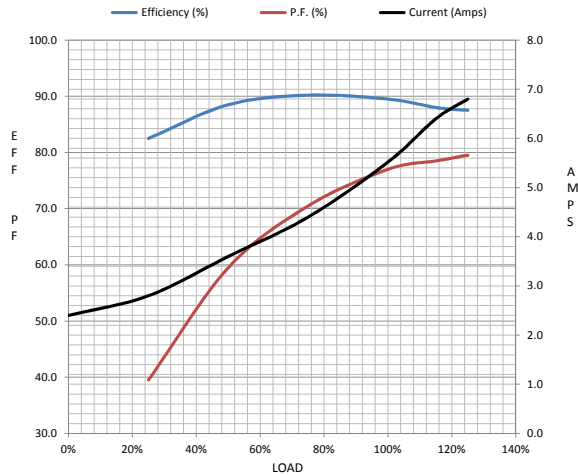
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.40	2.80	3.6	4.4	5.5	6.4	6.8	36.8
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

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1030	1170	1200
Current (Amps)	36.8	32.0	24.0	5.5	2.40
Torque (ft-lb)	46.0	40.0	75.0	22.5	0.00

Information Block				
HP	5.0			
Sync. RPM	1200			
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	45 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.95 Lb-Ft ²			
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
1.7750	1.8460	7.4820	8.1650	108.2750



Speed -Torque Curve

