

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 215TTFWD16013
Catalog No: U357A
15,3600,215JM,TEFC,3/60/230/460
JM



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REGAL[®]



Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	35.0/17.6 A	Speed	3495 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	215JM
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	JM
Overall Length	23.34 in	Shaft Diameter	0.875 in
Shaft Extension	4.28 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS86629-1115	Connection Diagram	005010.01

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005010-01

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		REGAL ™ Regal Beloit America, Inc.		DRAWN RDW 04/12/02			
				DEC.	INCHES			CHK			
				.X	±.1			APPD			
				.XX	±.01			SCALE 1=1			
				.XXX	±.005	TITLE		REF FIG.2-51			
A	UPDATED TO REGAL LOGO			SAJ	06/26/15	AJY	.XXXX	±.0005	MAT'L. DECAL - 004014	FMF	
NO.	REVISION			BY & DATE	CHK	ANG	±1/2"	FINISH	PREV		
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	00501001		SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV			A	005010-01	A	

Data Sheet

Date: 20-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



215TTFWD16013

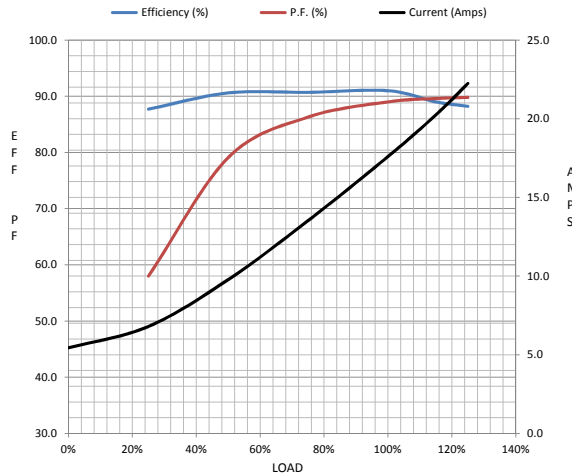
Submittal
 Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	5.4	6.8	9.8	13.5	17.6	20.3	22.2	109
Torque (ft-lb)	0.00	5.5	11.1	16.9	22.5	26.1	28.6	42.8
RPM	3600	3576	3552	3524	3495	3475	3461	0
Efficiency (%)		87.7	90.6	90.7	91.0	89.0	88.2	
P.F. (%)	18.2	58.0	79.1	86.3	89.0	89.6	89.8	45.6

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	632	3120	3495	3600
Current (Amps)	109	111	70.5	17.6	5.4
Torque (ft-lb)	42.8	42.7	61.8	22.5	0.00



Information Block				
HP	15.0			
Sync. RPM	3600			
Frame	215			
Enclosure	TEFC			
Construction	TFW			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	80 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.75 Lb-Ft ²			
Ref Wdg	K2132128 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	NONE			
Outline Dwg	SS86629.1240			
Conn. Diag	005010.01			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.3970	0.2950	1.3340	1.2490	45.1710

Speed -Torque Curve

