

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 215TTFWD16018
Catalog No: U743A
10,3600,TEFC,215TC,3/60/200
Totally Enclosed Fan Cooled (TEFC)



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REGAL[®]



Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	200 V
Current	27.2 A	Speed	3525 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Frame	215TC
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

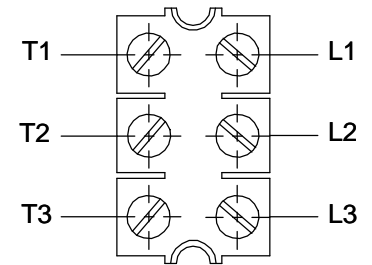
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	20.97 in	Frame Length	11.15 in
Shaft Diameter	1.375 in	Shaft Extension	3.12 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS86630-1115	Connection Diagram	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



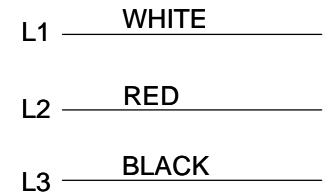
VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**



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.	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300
SHEET 1 OF 1	



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER P.O. #:
 ORDER #: EE7300
 REFERENCE MODEL #: 215TTEWD16018
 CONN. DIAGRAM: SS96630-1115
 CAT #: U743A
 OUTLINE: K2152226 NONE 4
 CUSTOMER PART #:
 WINDING: NONE 4
 MOUNTING: F1/F2 CAPABLE
 SPEED:
 TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
10	7.5	3600	3525	215TC	TEFC	TFW	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	200	27.2	ACROSS-THE LINE	CONT	F	1.15	40	3300

F.L. EFF	90.2	3/4 LD EFF	91.5	1/2 LD EFF	90.8	GTD EFF	88.5	ELECT. TYPE
	87.9	3/4 LD PF	83.5	1/2 LD PF	73.7		88.5	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
14.9 LB-FT	183	27.7 LB-FT	47.1 LB-FT	316%
				60

@ 3 FT. DBA	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	START/SHOUR	MOTOR WGT
72	81 DBA	0.55 LB-FT ²	18 LB-FT ²	15 SEC.	2	120 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	VERIFY

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE BALL 6309	POLYREX EM	T	NONE	NONE	SHAFT	ALSI 1045 (C-240)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.157	0.095	0.373	0.255	11.071	0.150	ODE

* N	O	T	E	S	INVERTER TORQUE:	NONE
					INV. HP SPEED RANGE:	NONE
					ENCODER:	NONE
					BRAKE:	NONE
					FT-LB:	NA
					VOLTAGE:	NONE
					UL: V/INS, CONST UL REC	NONE
					HZ:	

PREPARED BY: FAREEDA DUDEKULA
 DATE: 9/10/2018
 FORM: 3531 REV 4 2/27/06

Data Sheet

2151TFWD16018



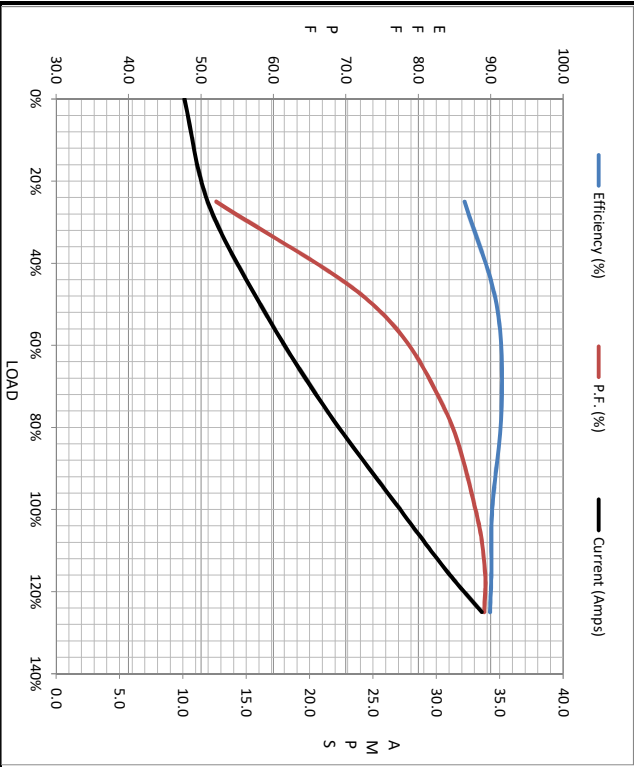
Submital

Data @ 200 V

Date: 9/10/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA

		Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR			
Current (Amps)	10.1	12.0	16.1	21.2	27.1	30.8	33.6	183			
Torque (ft-lb)	0.00	3.7	7.4	11.1	14.9	17.2	18.8	27.7			
RPM	3600	3580	3564	3545	3525	3,510	3500	0			
Efficiency (%)		86.4	90.8	91.5	90.2	90.1	89.9	89.9			
P.F. (%)	7.4	52.1	73.7	83.5	87.9	89.2	89.1	46.3			

		Motor Speed Data						Information Block																	
	LR	Pull-Up	BD	Rated	Idle		HP	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Motor/Shaft wk ²	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Com. Diag	Additional Specifications:
Speed (RPM)	0	700	3070	3525	3600		10.0	2151B2TFC6080	TEFC	TFW	200	60	B	H	1.15	60	CONT	40	1,000	0.55	72	NONE	SS86630-1115	EE7300	
Current (Amps)	183	179	120	27.1	10.1																				
Torque (ft-lb)	27.7	28.5	47.1	14.9	0.00																				



	R1	R2	X1	X2	Xm
EQUIV CKT (OHMS / PHASE)	0.1570	0.0950	0.3730	0.2550	11.0710

