

PRODUCT INFORMATION PACKET

Model No: 215TTFBD6007
Catalog No: GT1418A
10,3600,TEFC,215TC,3/60/575
Totally Enclosed Fan Cooled (TEFC)



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Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	9.5 A	Speed	3518 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	6307
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

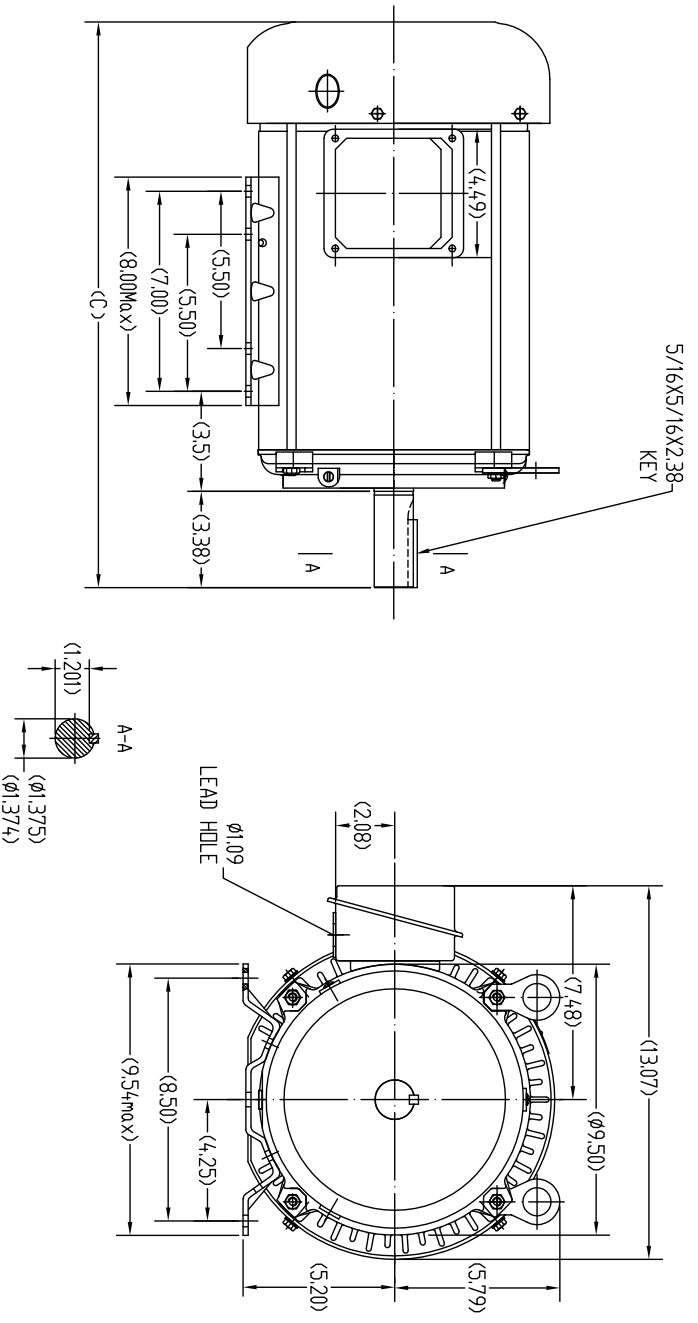
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
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	20.70 in	Frame Length	11.15 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	SS620737	Connection Diagram	EE7300

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SS620737



2131	1835
2151	1995
FRAME	C

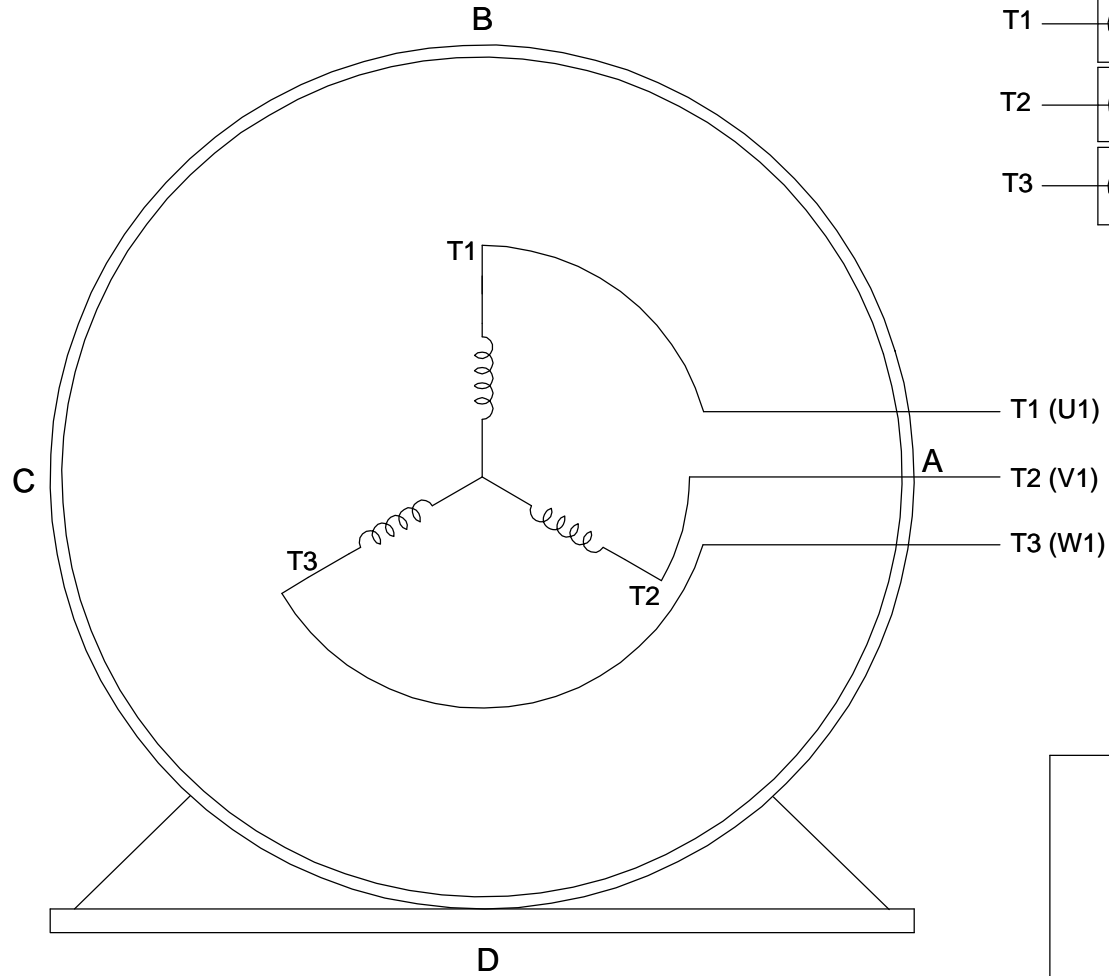
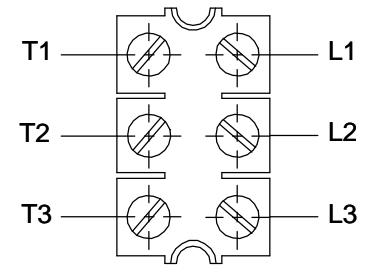
UNLESS OTHERWISE SPECIFIED		REGAL		REGAL BELT CORPORATION		DRAWN BY 25-2-2016	
DEC.	INCHES	DEC.	INCHES	CHK	ZHV 25-2-2016	APPD	ZHV 25-2-2016
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	±.005		±.005				
	±1/2		NAT'L				
	FINISH		SS620737				
	COND FILE		SS620737				
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REVISION
 ALL DIMENSIONS IN DESIGN AND SERIAL REPORTS OF DESIGN AND INVENTION ARE RESERVED
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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



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

CERTIFICATION DATA SHEET

CUSTOMER: CUSTOMER PO #:
ORDER #: MODEL #: 215TTFBD6007 AA
CONN. DIAGRAM: EE7300 CUSTOMER PART #:
OUTLINE: SS620737 MOUNTING: F1/F2 CAPABLE
WINDING #: HE31322010 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
10	7.50	3600	3518	215TC	TEFC	H	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	9.5	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

FULL LOAD EFF:	90.2	3/4 LOAD EFF:	89.9	1/2 LOAD EFF:	91.4	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	88	3/4 LOAD PF:	84.5	1/2 LOAD PF:	76	89.5		SQ CAGE INV RATED
F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C				
14.9 LB-FT	63.2	28 LB-FT	188 %	41 LB-FT	275 %			55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
72 DBA	82 DBA	0.6 LB-FT^2	18 LB-FT^2	15 SEC.	2	190 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)
BEARINGS DE ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
BALL BALL 6307 6206	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL		

THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	NONE	FALSE	NONE	NONE	VOLTS
NONE	NOT	NONE	NONE					

* INVERTER	TORQUE: CONSTANT 20:1/VARIABLE 20:1	
N INV. HP SPEED RANGE:	NONE	
O ENCODER:	NONE	
T NONE	NONE	PPR
E NONE	NONE	P/N NONE
S NONE	FT-LB	NONE V NONE HZ
* NONE		

PREPARED BY: Anusha Muthyala
DATE: 05/04/2018 12:16:23 AM
FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

575

Volts

HP 10.00

PHASE 3

Model No 215TTFBD6007

60

HZ

VOLTS 575

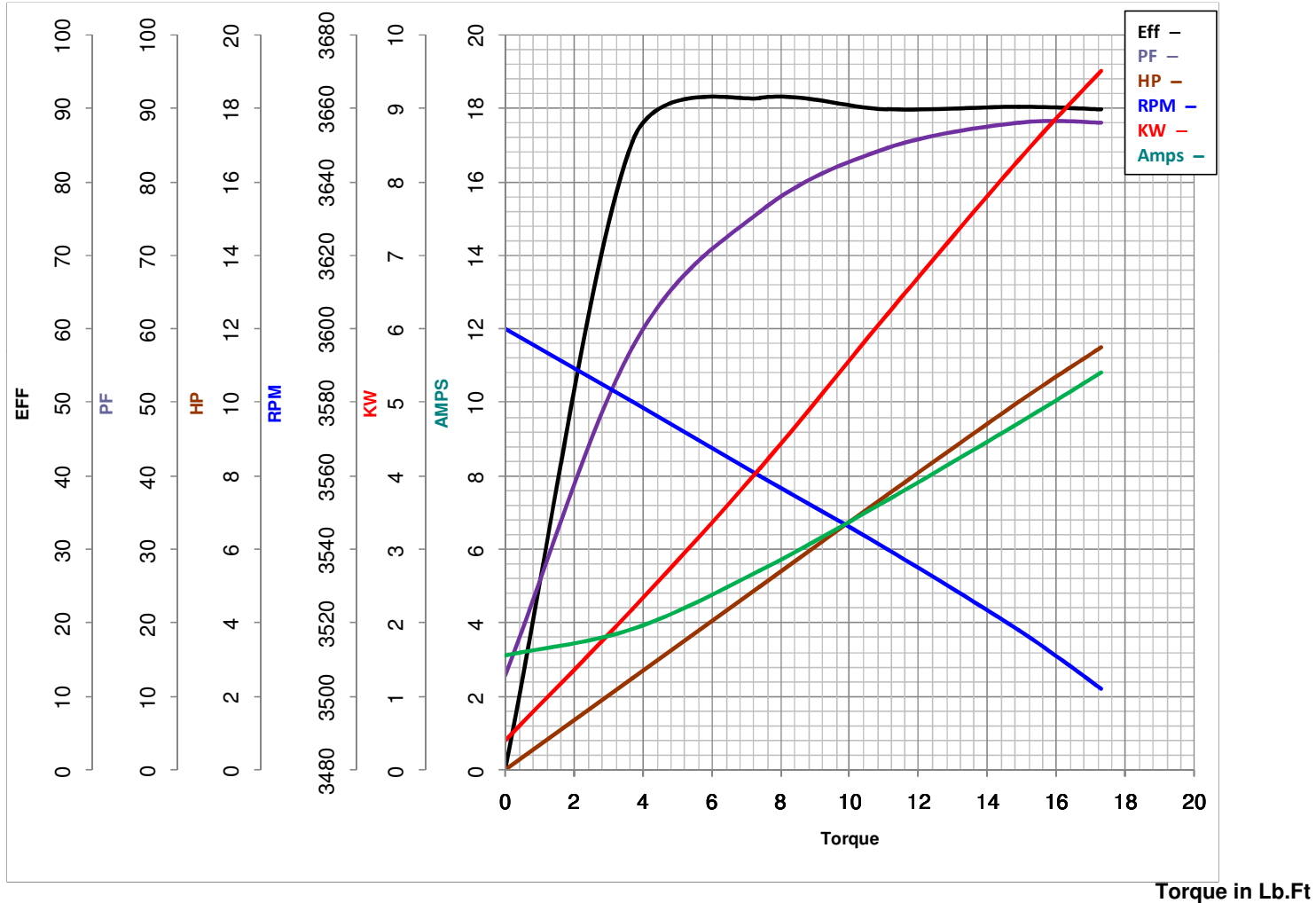
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HP

Catalog No GT1418A

HZ 60

RPM 3518



Torque in Lb.Ft

FL TORQUE 14.9 Lb.Ft
 BD TORQUE 41.0 Lb.Ft
 LR TORQUE 28 Lb.Ft

FL AMPS 9.5
 PU TORQUE 24.0 Lb.Ft
 LR AMPS 63.2

WINDING HE31322010-3

Prepared By

ANUSHA M

Date

5/4/2018