

PRODUCT INFORMATION PACKET

Model No: 215TTDW7201

Catalog No: Y491

Multispeed Motor, 10 & 2.50 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 & 1800 RPM, 215T Frame, DP



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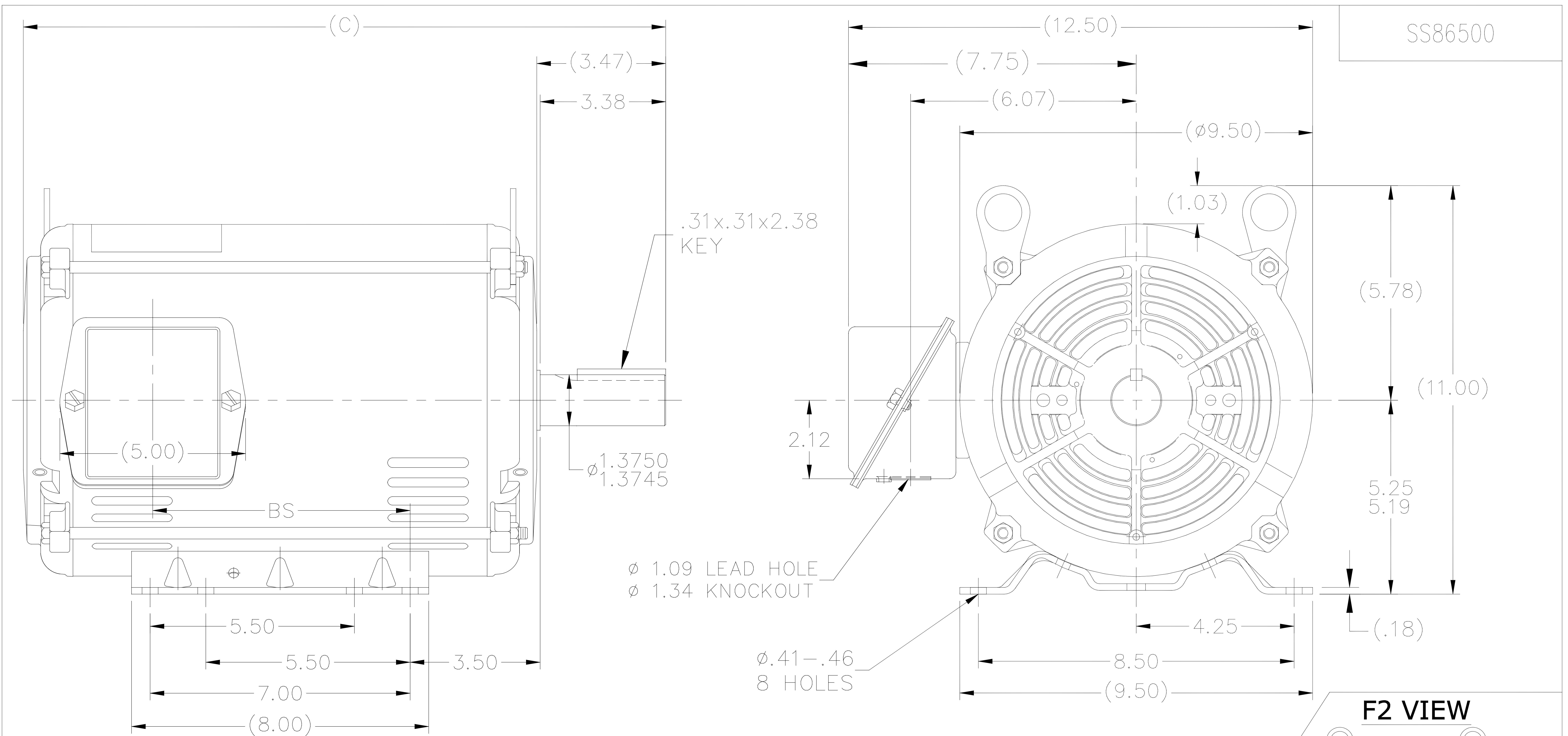


Nameplate Specifications

Phase	3	Output HP	10 & 2.50 Hp
Output KW	7.5 & 1.9 kW	Voltage	460 & 460 V
Speed	1755 & 870 rpm	Service Factor	1.15 & 1.15
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	86.5 & 81.5 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	12.5 & 4.5 A	Power Factor	85
Duty	Continuous	Insulation Class	B
Design Code	1VT	KVA Code	K
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	2		

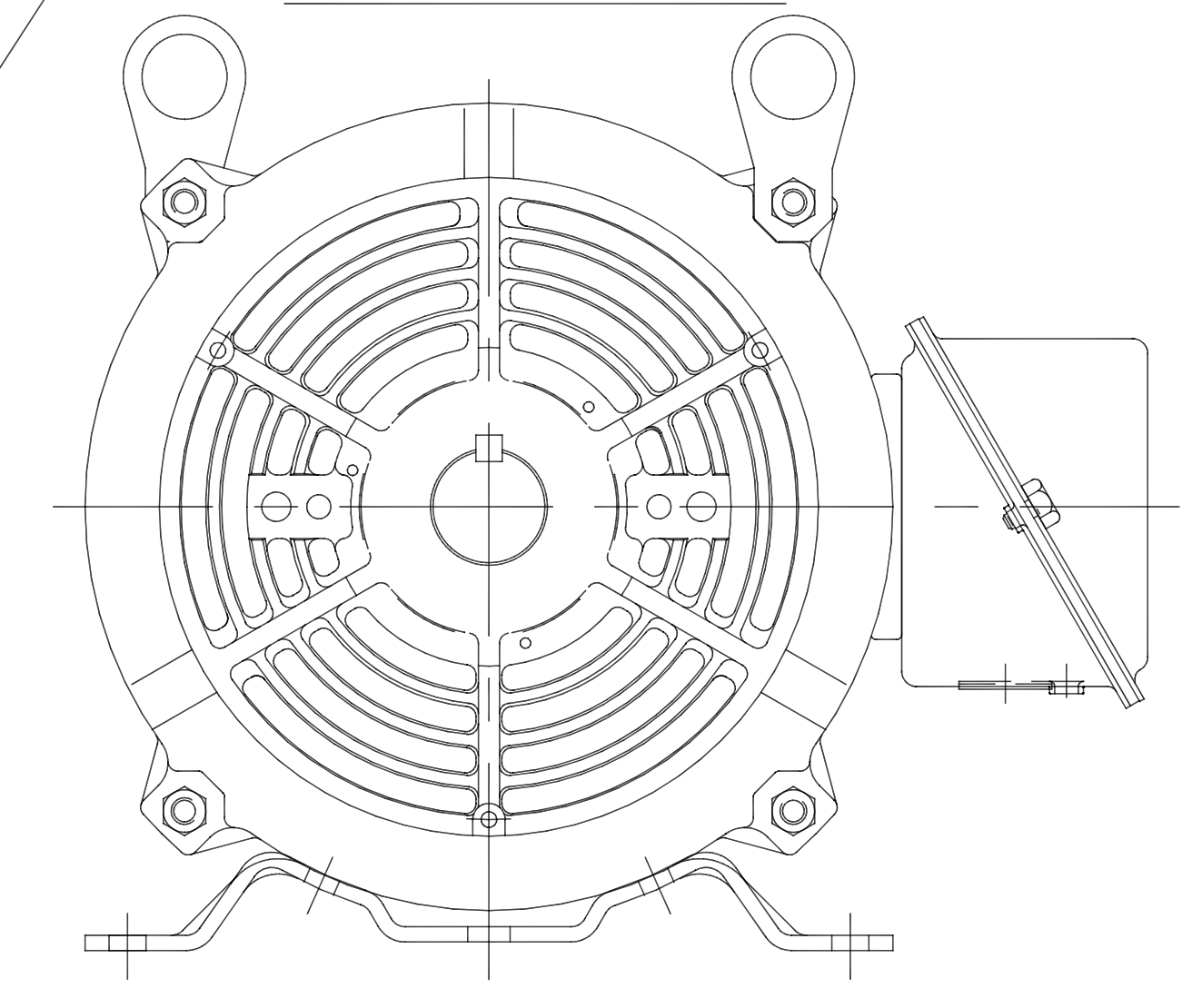
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4/8	Rotation	Reversible
Resistance Main	1.38 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	17.30 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7322	Outline Drawing	A-SS86500-1115



SS86500

F2 VIEW



- NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
 2. BOX CAN BE MOUNTED IN 90° STEPS.
 3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

DASH	FR.	C	BS	MOUNTING
1115	213/15T	17.30	6.93	F1/F2
1240	213/15T	18.55	8.18	F1 ONLY

14	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015	MDV	TOLERANCES UNLESS SPECIFIED		Regal Beloit America, Inc.	DRAWN SMC 04-13-1993
13	FOR FRAME 11.15 MOUNTING NOTE ADDED	UD 12/13/12	SR	DEC.	INCHES		CHK MOL 04-04-1993
12	ADDED: F2 VIEW.	KVN 2/10/2009	SVL	.X	±.1		APPD DRN 04-13-1993
11	UPDATED DRAWING	TJW 04/27/2007		.XX	±.03	TITLE OUTLINE	SCALE 1=4
10	REM'VD. DASH 965 FROM SERIES CN38252	RWR 07-20-2004	ML	.XXX	±.005	210 FR. - BB - TS - DR. PR.	REF
9	REDRAWN IN AUTOCAD	TAT 06-29-2004	ML	.XXXX	±.0005	MAT'L.	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV

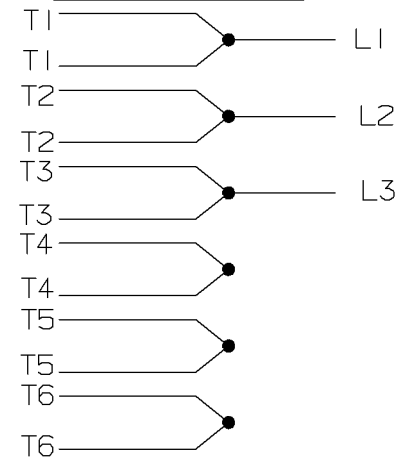
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RFP	CAD FILE ss86500	SIZE A	DRAWING NO. SS86500	PAGE 1 OF 1	REV. 14
DIST LB					

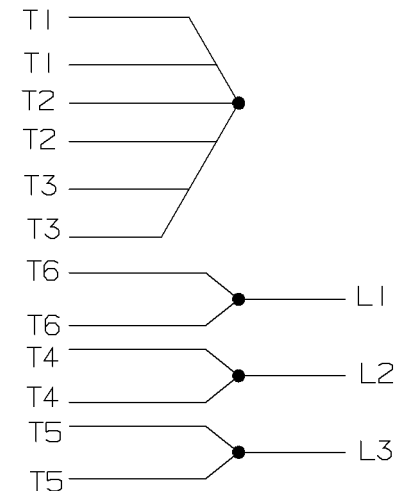
A- EE7322

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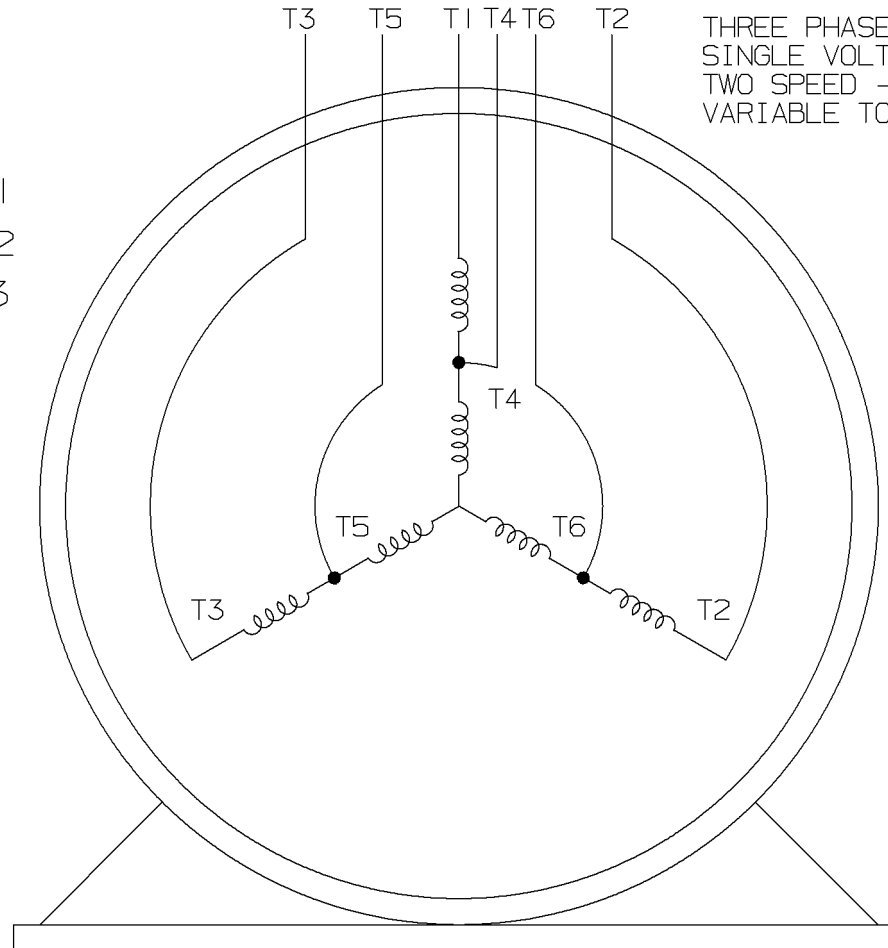
LOW SPEED



HIGH SPEED

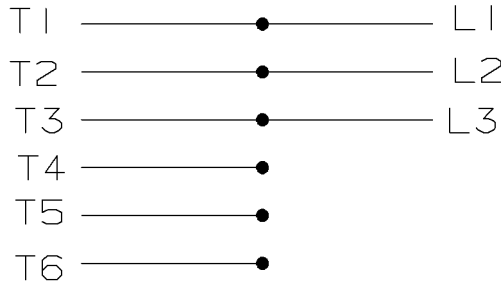


THREE PHASE MOTOR
SINGLE VOLTAGE
TWO SPEED - SGL. WDG.
VARIABLE TORQUE

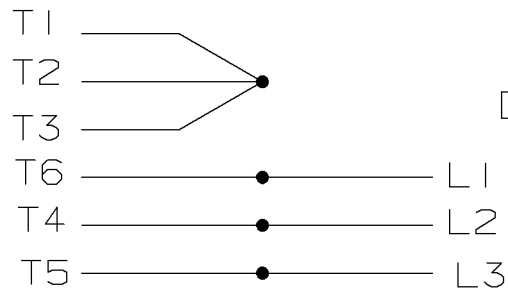


VIEW OF TERMINAL END

LOW SPEED



HIGH SPEED



T612C

T48B

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX±.005 XXXX±.0005 ANGLES±		
				MATL SPEC		DRAWN BY PGK	12-26-1996
				FINISH			CHKD BY ML 01-07-1997
7	01-08-1997	REDRAWN ON CADD	PGK	REFERENCE DRW.	WAUSAU, WISCONSIN 54401		APPD BY TB 01-07-1997
REV	DATE	CHANGE	NAME	PART NAME	DRWG NO		
				3Ø - SINGLE VOLTAGE - 2 SPEED	A- EE7322		

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

EE7322

CERTIFICATION DATA SHEET

Model#: 215TTDW7201 AB
CONN. DIAGRAM: A-EE7322
OUTLINE: A-SS86500-1115

WINDING#: 215(4-8)77 NONE 1
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&2 1/2	7.5&1.87	900	1755&870	215T	DP	K	1VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	12.5&4.5	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40	3300

FULL LOAD EFF: 86.5&81.5	3/4 LOAD EFF: 81.5	1/2 LOAD EFF: 78.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85&63	3/4 LOAD PF: 55	1/2 LOAD PF: 42	77.8	SQ CAGE IND RUN	3.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	20.5	17.5 LB-FT 117	35 LB-FT 233	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	1 LB-FT^2	- LB-FT^2	- SEC.	-	- LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6307	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

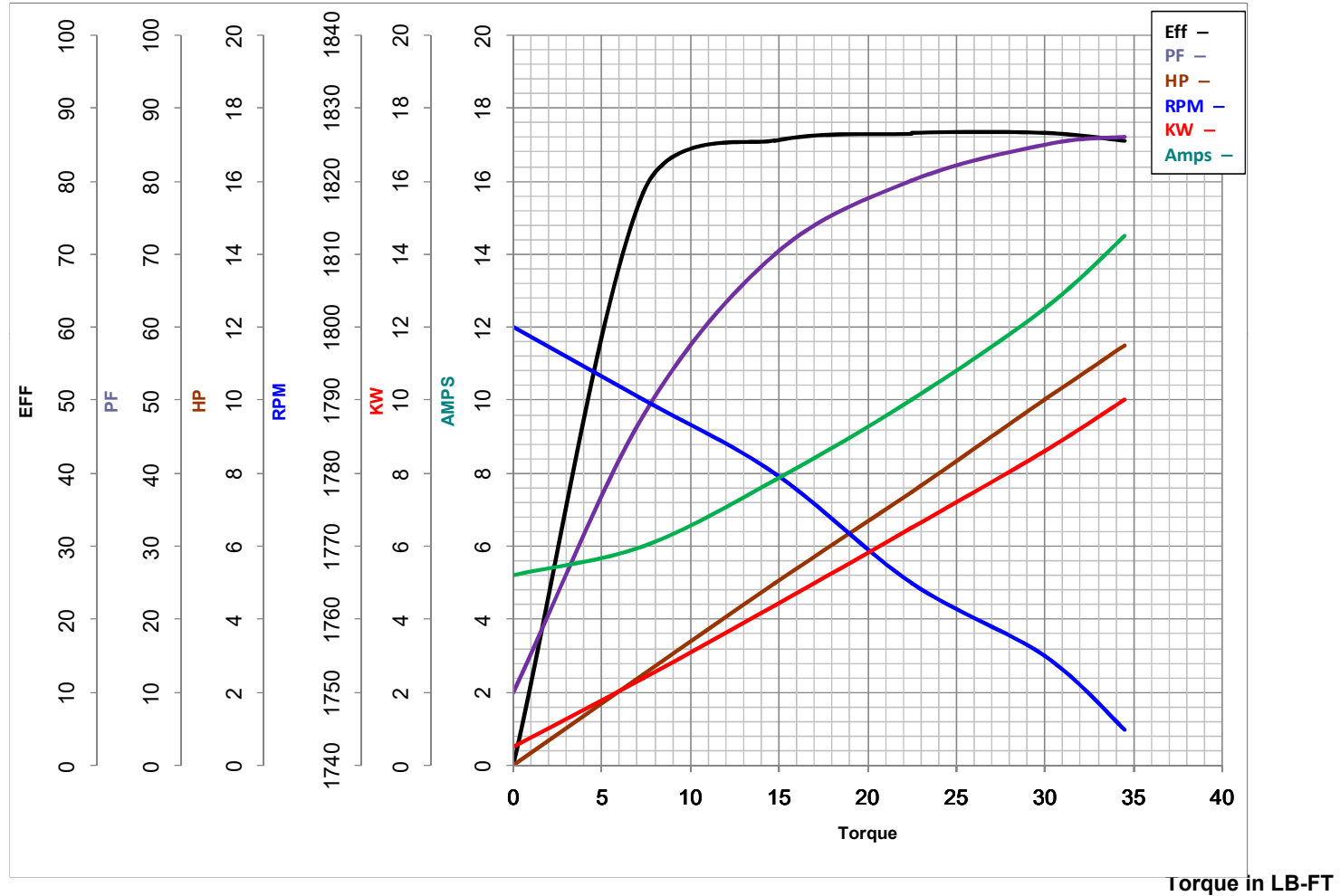
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** Subject to change without notice.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 460 Volts HP 10&2.5 PHASE 3
 Model No 215TTDW7201 60 HZ
10 HP VOLTS 460&460
 Catalog No Y491 HZ 60&60 RPM 1755&870



FL TORQUE	<u>30</u>	LB-FT	FL AMPS	<u>12.5</u>
BD TORQUE	<u>105.0</u>	LB-FT	PU TORQUE	<u>50.0</u>
LR TORQUE	<u>55</u>	LB-FT	LR AMPS	<u>110</u>
WINDING	<u>215(4-8)77-1</u>		Date	<u>1/17/2019</u>