

PRODUCT INFORMATION PACKET

Model No: 215TTDW7204

Catalog No: Y455

Other Purpose Motor, 5 & 2.22 HP, 3 Ph, 60 & 60 Hz, 200-230 & 200-230 V, 1800 & 1800 RPM,
215T Frame, DP



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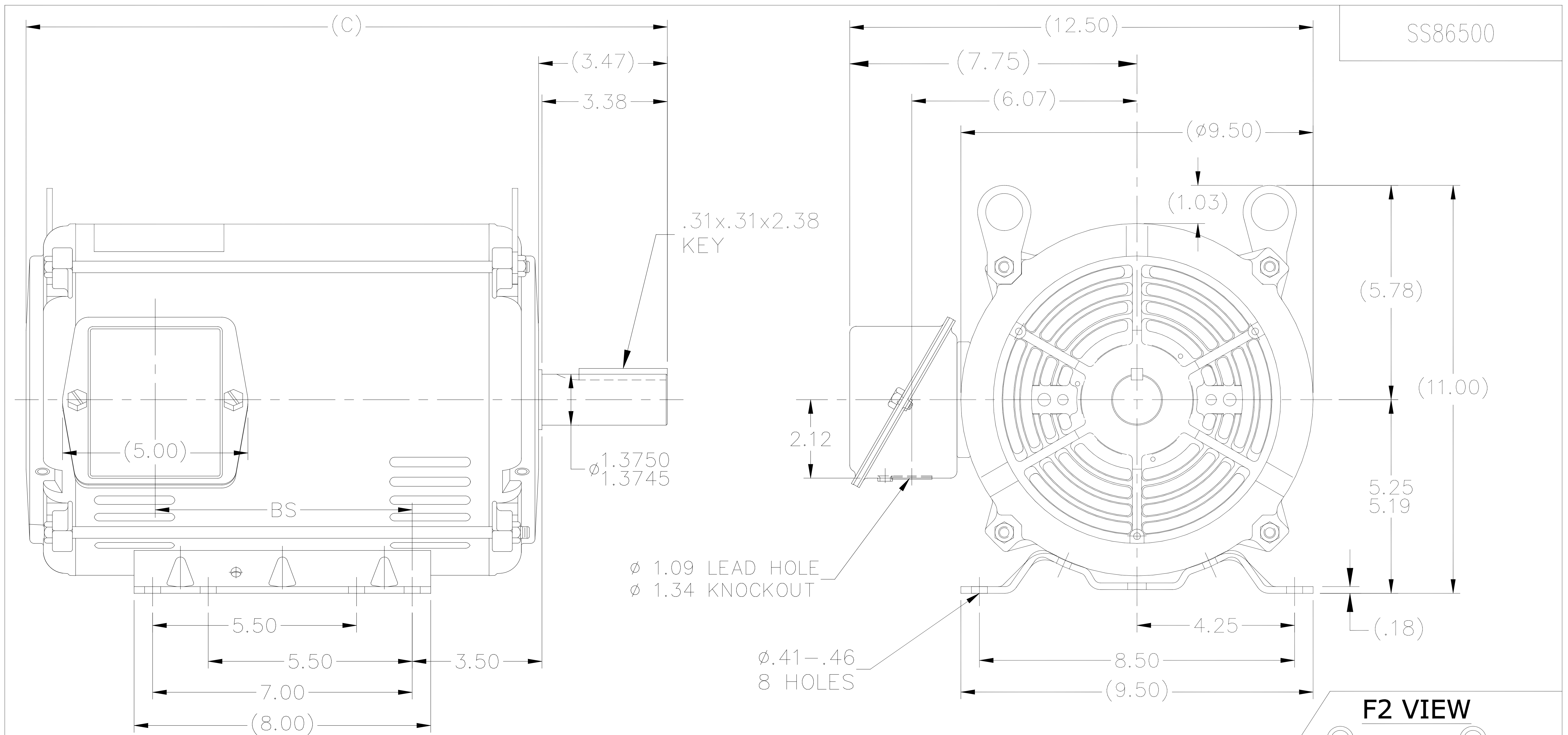
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Nameplate Specifications

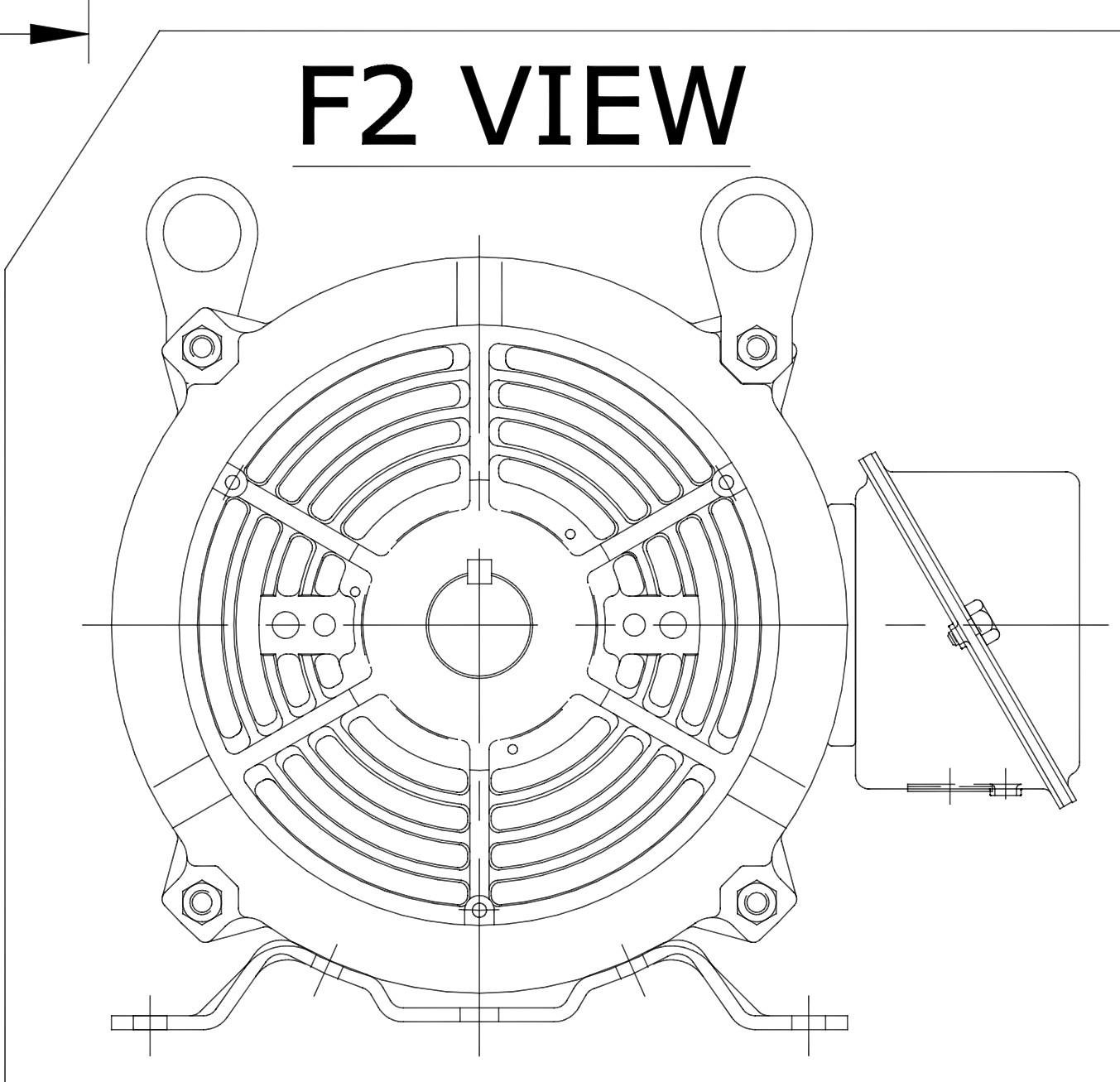
Phase	3	Output HP	5 & 2.22 Hp
Output KW	3.7 & 1.7 kW	Voltage	200-230 & 200-230 V
Speed	1775 & 1175 rpm	Service Factor	1.15 & 1.15
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	85.5 & 81.5 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	8.65-8.2 & 7.8-7.4 A	Power Factor	78.9
Duty	Continuous	Insulation Class	F
Design Code	2VT	KVA Code	N
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//6	Rotation	Fixed Clockwise
Resistance Main	.785 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-EE7317	Outline Drawing	A-SS86500-1115




SS86500



- 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.)

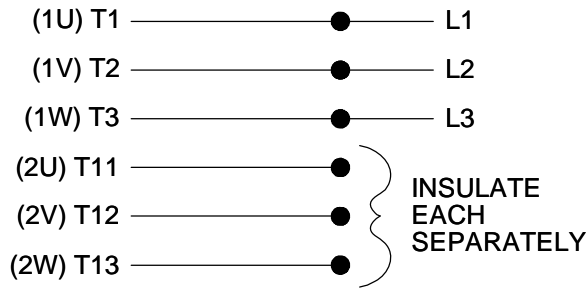
DASH	FR.	C	BS	MOUNTING
1115	213/15T	17.30	6.93	F1/F2
1240	213/15T	18.55	8.18	F1 ONLY

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

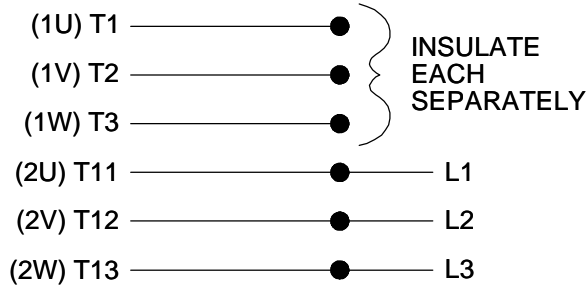
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RFP	CAD FILE ss86500	SIZE A	DRAWING NO. SS86500	PAGE 1 OF 1	REV. 14
DIST LB					

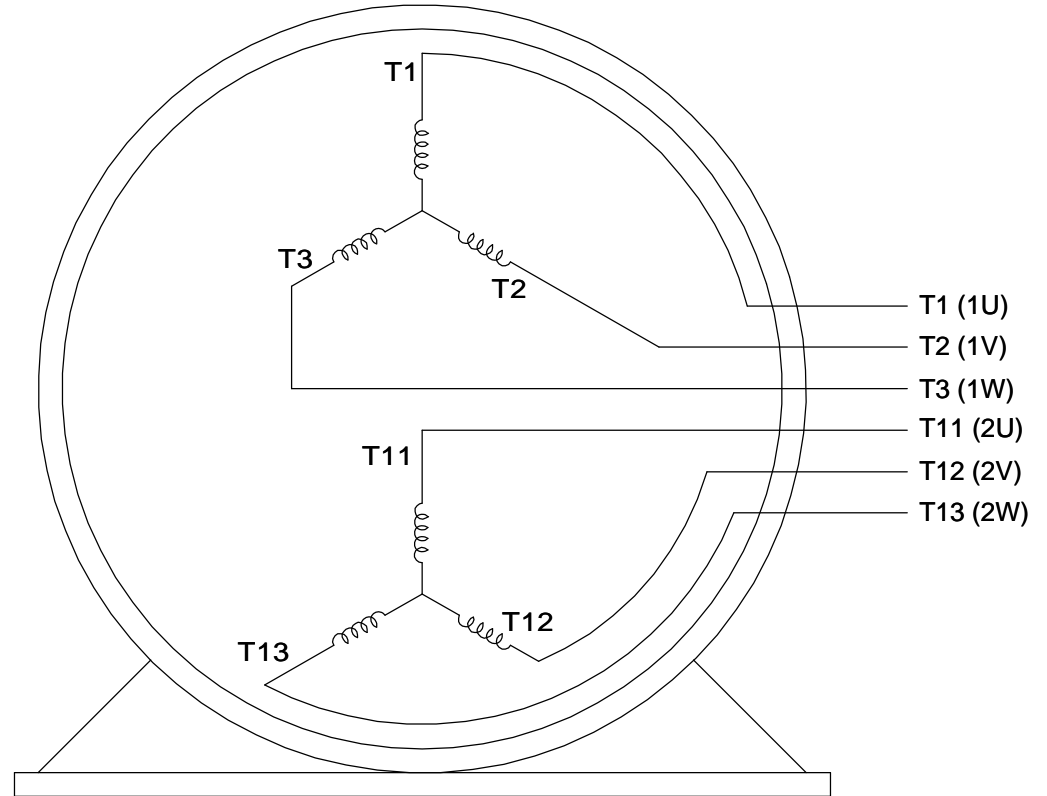
LOW SPEED



HIGHSPEED



**THREE PHASE, SINGLE VOLT, 6 LEAD
2 SPEED REVERSIBLE MOTOR**



VIEW OF TERMINAL END

TO REVERSE ROTATION ON
EITHER SPEED: INTERCHANGE
ANY 2 LEADS ON THE
WINDING IN USE.

DRAWING REVISION C	REVISION BY JJB	DATE 10-25-2017		DRAWN BY LZ	Regal Beloit America, Inc.
ECO ECO-0132917	APPROVED BY TLB	DATE 10-30-2017		DATE 01-05-1994	
ECO DESCRIPTION REVISED PER ECO & UPDATED TO STANDARDS				APPROVED BY GK	DESCRIPTION CONN DIAGRAM-INTERNAL
<small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>				DATE 01-17-1994	3 PHASE - SINGLE - 2 SPEED REVERSIBLE
			REFERENCE	MATERIAL	PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7317

CERTIFICATION DATA SHEET

Model#: 215TTDW7204 AC
CONN. DIAGRAM: A-EE7317
OUTLINE: A-SS86500-1115

WINDING#: K215(4-6)57 NONE 2
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&2.22	3.7&1.66	1200	1775&1175	215T	DP	N	2VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	200-230	14.5-14&7.8-7.4	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40	3300

FULL LOAD EFF: 85.5&81.5	3/4 LOAD EFF: 76.8	1/2 LOAD EFF: 75.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78.9&67.8	3/4 LOAD PF: 60.9	1/2 LOAD PF: 46	77.8	SQ CAGE IND RUN	4.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9.8 LB-FT	46	15 LB-FT 153	33.5 LB-FT 342	25

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	0 LB-FT^2	10 SEC.	0	97 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	BLACK (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	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

DATE: 06/20/2017 08:49:23 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer CATALOG

Curve at

460

Volts

HP 5&2.22

PHASE 3

Model No 215TTDW7203

60

HZ

VOLTS 460&460

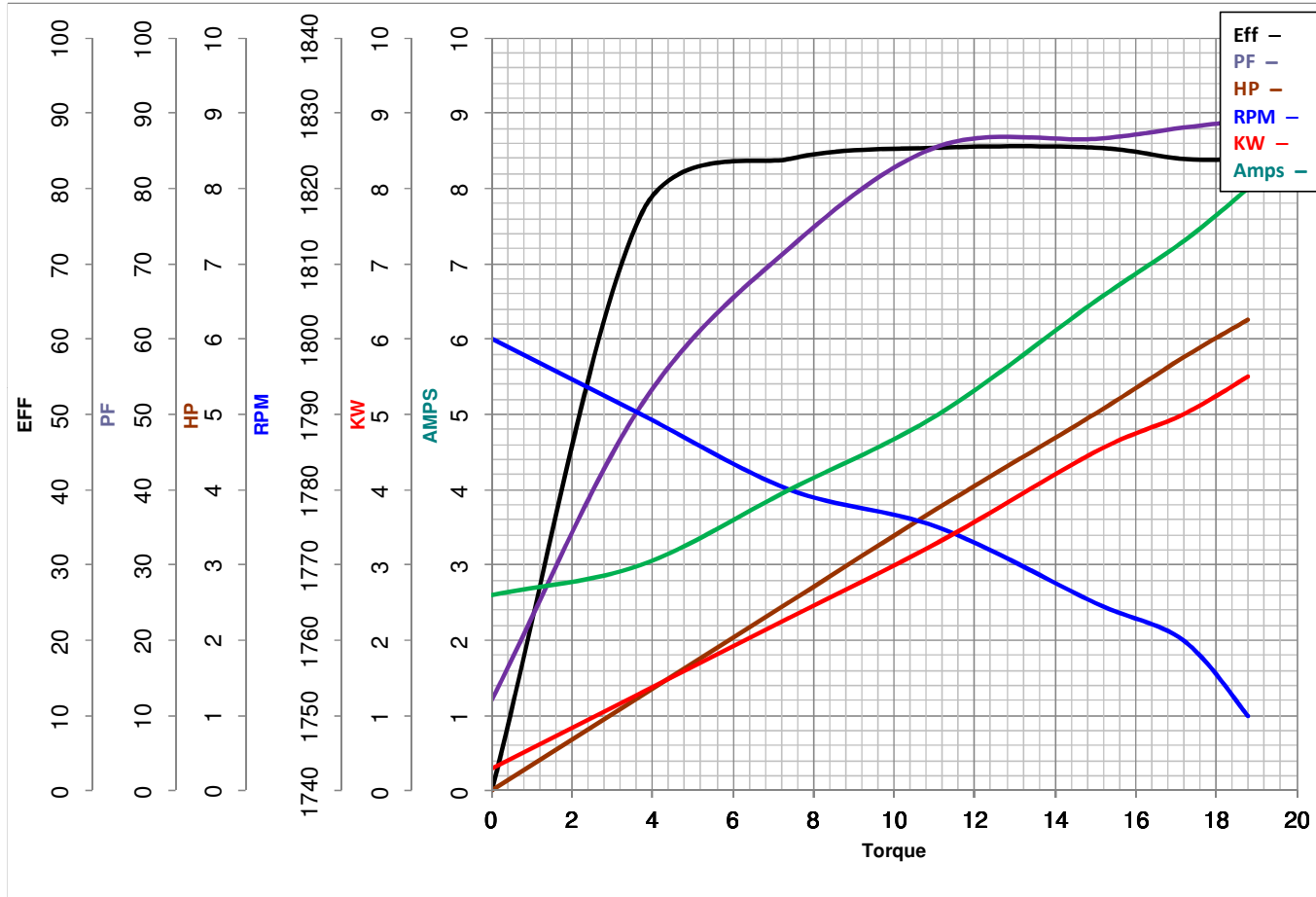
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HP

Catalog No Y415

HZ 60&60

RPM 1765&1175



FL TORQUE	<u>15</u>	#N/A	FL AMPS	<u>6.5</u>	#N/A
BD TORQUE	<u>50.5</u>	#N/A	PU TORQUE	<u>27.0</u>	#N/A
LR TORQUE	<u>28</u>	#N/A	LR AMPS	<u>46</u>	
WINDING	K215(4-6)56-1	Prepared By	SRIKANTH	Date	6/20/2017