

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 215TTDW7203
Catalog No: Y415
5,1800/1200,DP,215T,3/60/460
Other Purpose



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REGAL

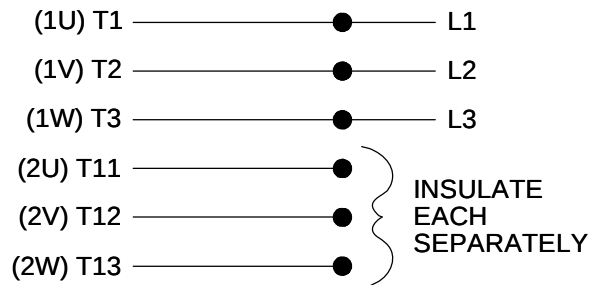
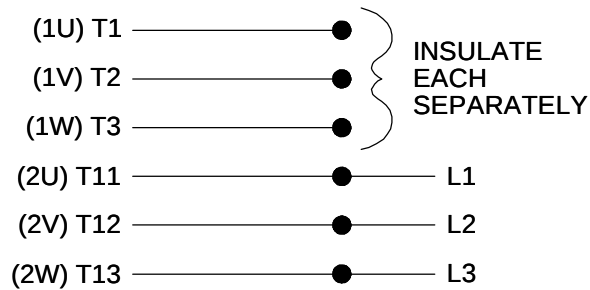


Nameplate Specifications

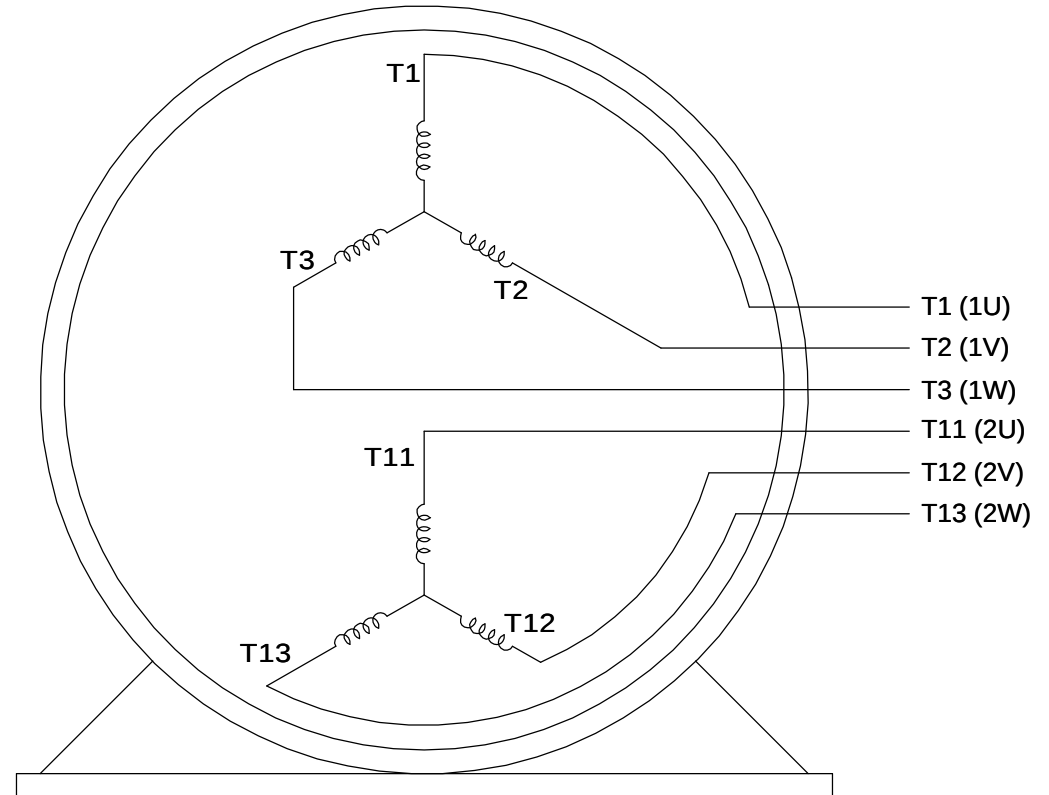
Output HP	5,2.22 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	460 V
Current	6.5,3.5 A	Speed	1765,1175 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	2VT
KVA Code	J	Frame	215T
Enclosure	DP	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6307
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	SQ CAGE IND RUN	Starting Method	ACROSS THE LINE
Poles	4//6	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	T
Overall Length	17.3 in	Frame Length	11.15 in
Shaft Diameter	1.38 in	Shaft Extension	3.47 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	A-SS86500-1115	Connection Diagram	A-EE7317

LOW SPEEDHIGHSPEED

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	DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - SINGLE - 2 SPEED REVERSIBLE		
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				DATE 01-17-1994			
				REFERENCE	MATERIAL	PROCESS/FINISH	
				THIRD ANGLE PROJECTION 	SIZE A	DRAWING NUMBER EE7317	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 215TTDW7203 AB **WINDING#:** K215(4-6)56 NONE 1
CONN. DIAGRAM: A-EE7317 **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: A-SS86500-1115

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&2.22	3.7&1.66	1200	1765&1175	215T	DP	J	2VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	6.5&3.5	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40	3300

FULL LOAD EFF: 85.5&80	3/4 LOAD EFF: 78.5	1/2 LOAD EFF: 75.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86.5&75.5	3/4 LOAD PF: 67	1/2 LOAD PF: 54	76	SQ CAGE IND RUN	2.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
10 LB-FT	22	16.5 LB-FT 165	28 LB-FT 280	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.8 LB-FT^2	- LB-FT^2	15 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						
6307	6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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

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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 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

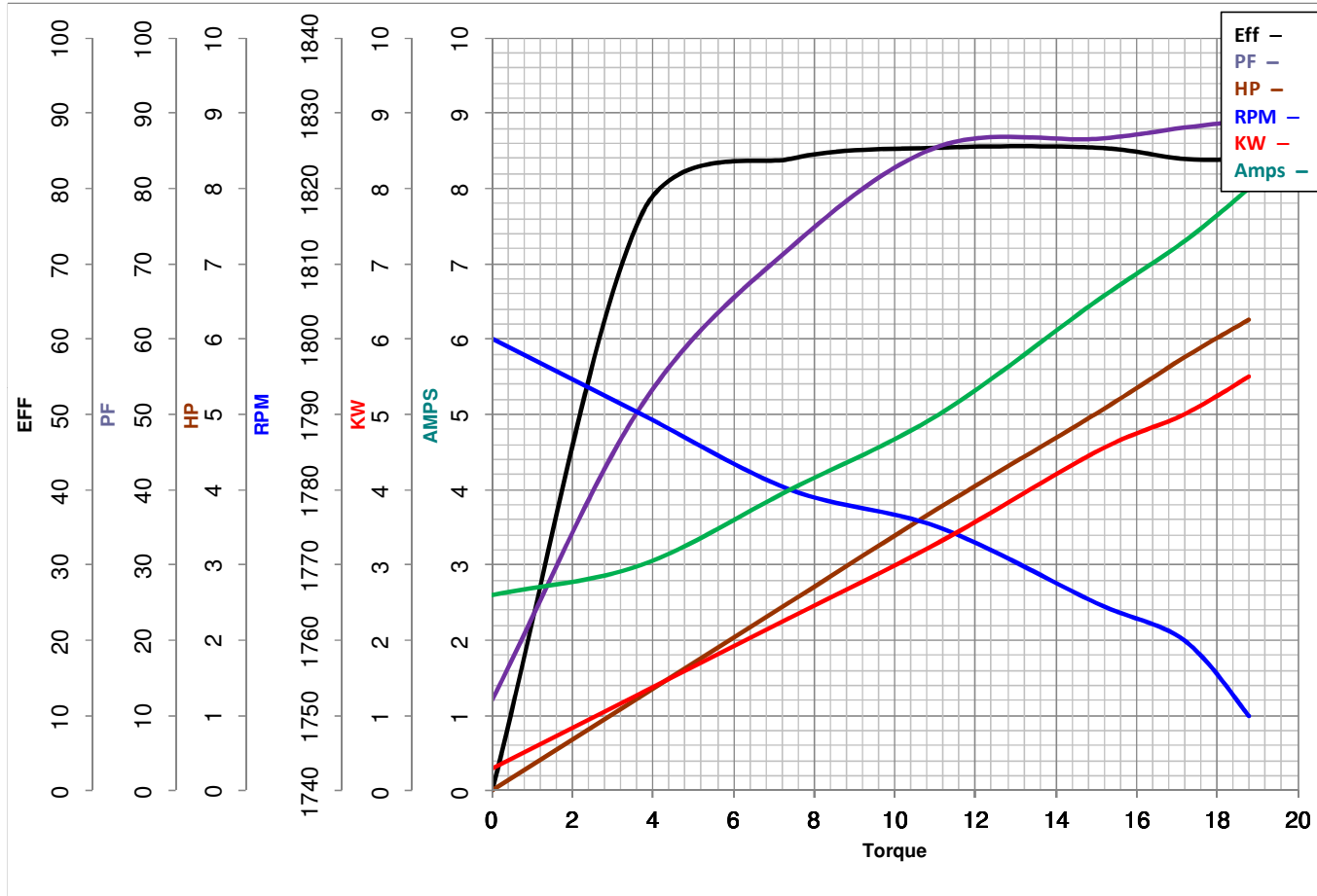
Volts

HP 5&2.22PHASE 3Model No 215TTDW720360

HZ

VOLTS 460&4605

HP

Catalog No Y415HZ 60&60RPM 1765&1175

#N/A

FL TORQUE 15 #N/ABD TORQUE 50.5 #N/ALR TORQUE 28 #N/AFL AMPS 6.5PU TORQUE 27.0LR AMPS 46

#N/A

WINDING K215(4-6)56-1

Prepared By

SRIKANTH

Date

6/20/2017