

# PRODUCT INFORMATION PACKET

Model No: 215TTWDD6031

Catalog No: N409B

PowerWash™SXT-Plus Wash Down Duty™ General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz,  
230/460 & 190/380 V, 1800 & 1500 RPM, 215TC Frame, TEFC



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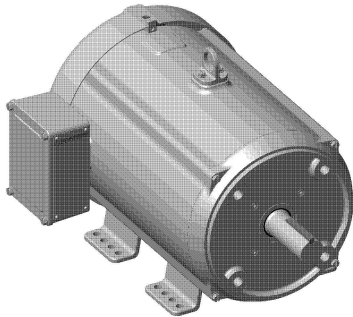
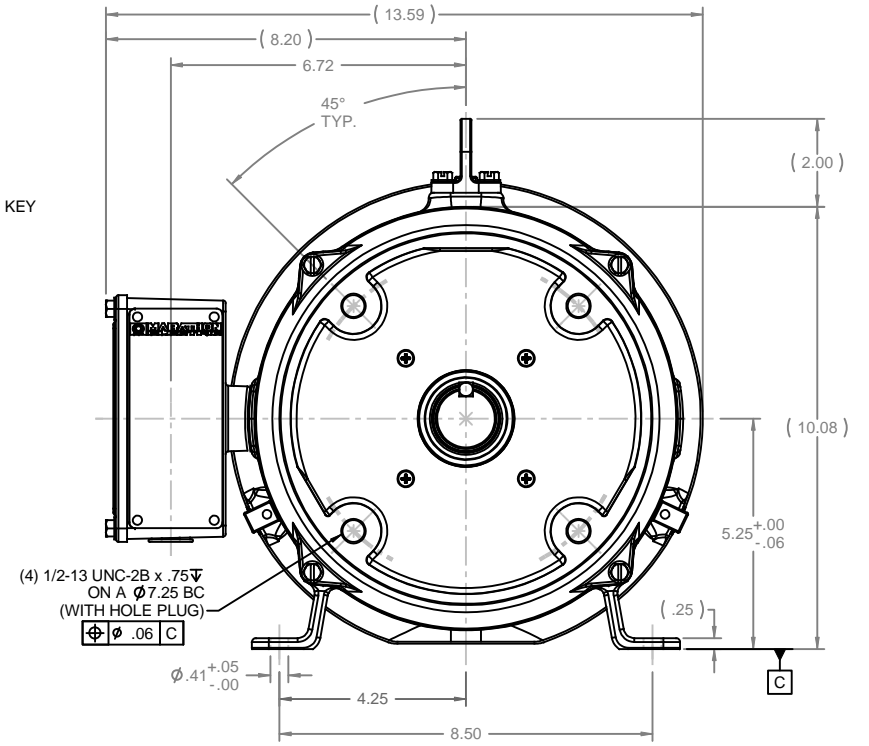
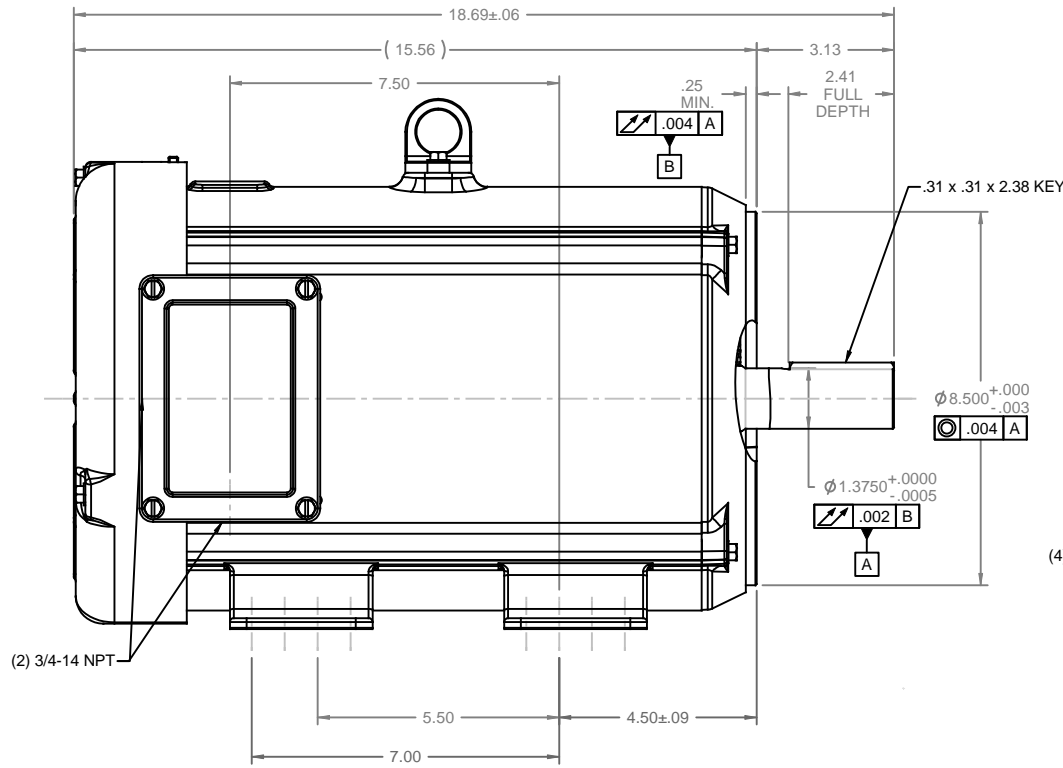
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>10 &amp; 7.50 Hp</b>
Output KW	<b>7.5 &amp; 5.6 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>1760 &amp; 1475 rpm</b>	Service Factor	<b>1.15 &amp; 1.0</b>
Frame	<b>215TC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>91.7 &amp; 89.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>26.4/13.2 &amp; 27.4/13.7 A</b>	Power Factor	<b>77.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>H</b>
Drive End Bearing Size	<b>6209</b>	Opp Drive End Bearing Size	<b>6207</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>55</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.9 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Stainless Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>18.69 in</b>
Frame Length	<b>12.00 in</b>	Shaft Diameter	<b>1.375 in</b>
Shaft Extension	<b>3.13 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Inverter Load	<b>CONSTANT 3:1</b>		
Outline Drawing	<b>037617</b>	Connection Drawing	<b>005010.01</b>



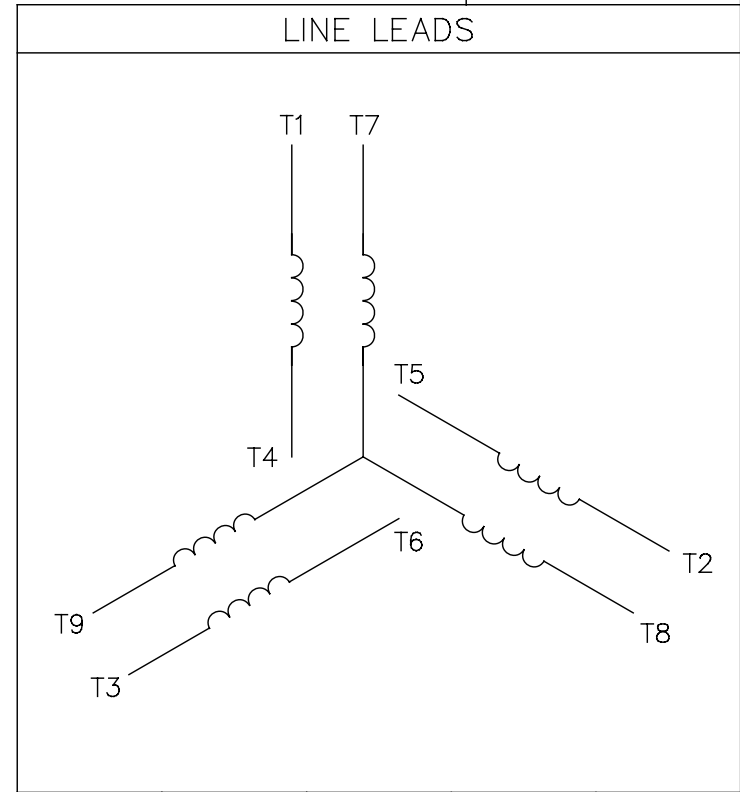


ISOMETRIC VIEW  
 SCALE 1=6

			TOLERANCES UNLESS SPECIFIED			DRAWN JJK 06/14/04			
			DEC	INCHES		CHK			
			X	±.1		APPR			
			.XX	±.03		TITLE OUTLINE - 210TC FRAME			
			.XXX	±.005		TEFC - RIGID "C"			
			.XXX	±.0005	MATL WASHGUARD ALL STAINLESS STEEL MOTOR				
			CHK	ANG	±1/2°	FINISH			
			RFP	CAD FILE 037617			SIZE	DRAWING NO	REV
			DIST				B	037617	

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		<b>Regal Beloit America, Inc.</b>		DRAWN RDW 04/12/02			
				DEC.	INCHES			CHK			
				.X	±.1			APPD			
				.XX	±.01			SCALE 1=1			
				.XXX	±.005	TITLE		REF FIG.2-51			
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L.		FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	04/12/02	CAD FILE		00501001	SIZE	DRAWING NO.	REV.
				DIST		BRF-NLV		A	005010-01	A	

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005010.01

**MODEL #:** 215TTWDD6031 AA

**OUTLINE:** 037617

**MOUNTING:** F1 ONLY

**WINDING #:** K2154513 3

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&7 1/2	7.50&5.60	1800	1760&1475	215TC	TEFC	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	26.4/13.2&27.4/13.7	LINE OR INVERTER	CONTINUOUS	F4	1.15/1.0	40

FULL LOAD EFF:	91.7&89.5	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	91	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	77.5&57.2	3/4 LOAD PF:	69.6	1/2 LOAD PF:	57.2	90.2	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.9 LB-FT	162 / 81	76 LB-FT 255 %	90 LB-FT 302 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	1.1 LB-FT^2	50 LB-FT^2	20 SEC.	2	150 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	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL
6209	6207						

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

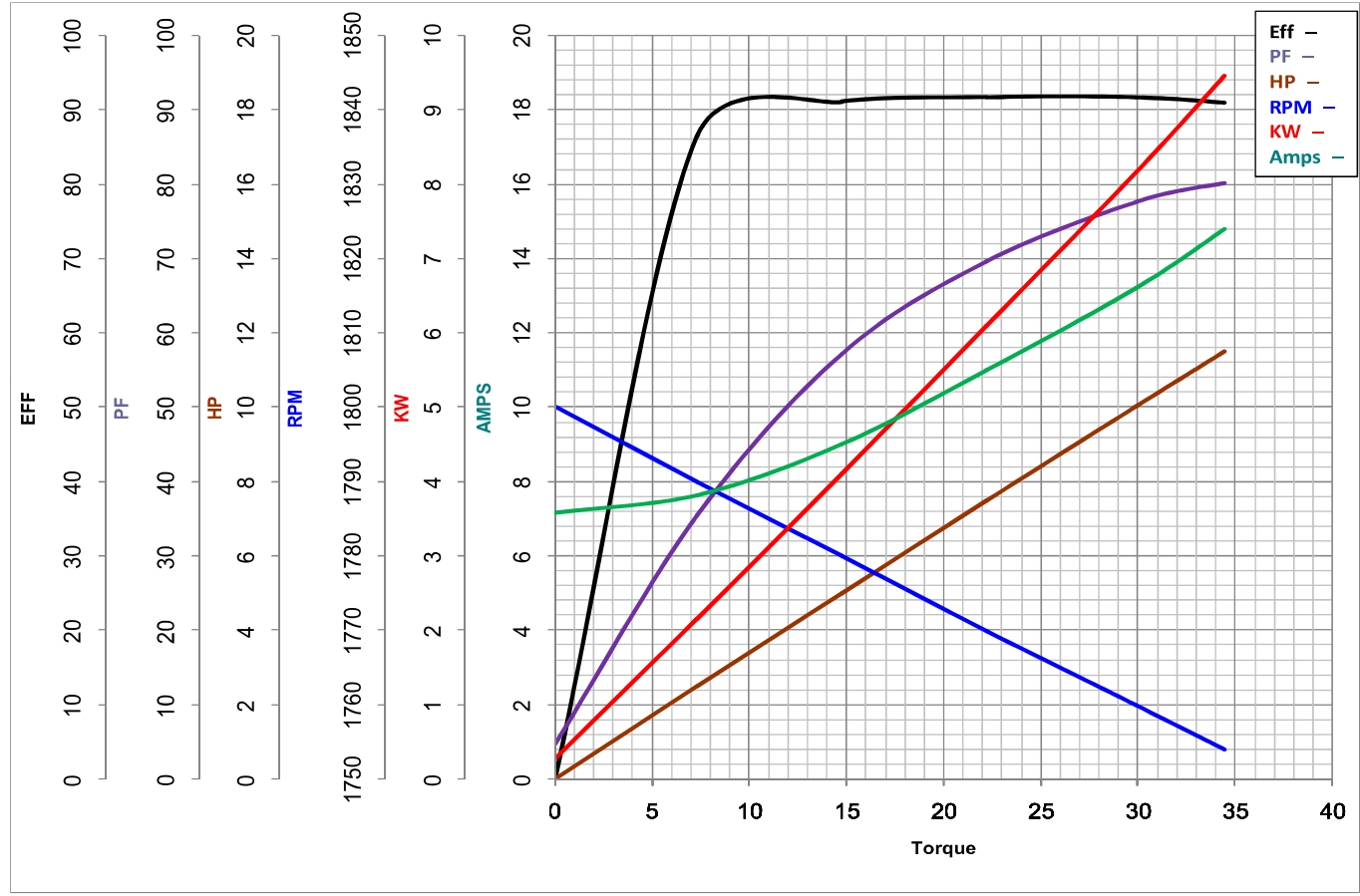
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N  
O  
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S

<b>INVERTER TORQUE:</b> CONSTANT 3:1
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE NONE NONE NONE NONE PPR
<b>BRAKE:</b> NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

**MARATHON ELECTRIC CORPORATION**

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer \_\_\_\_\_ Curve at 460 Volts HP 10&7.5 PHASE 3  
 Model No 215TTWDD6031 60 HZ  
10 HP VOLTS 230/460&190/380  
 Catalog No N409B HZ 60&50 RPM 1760&1475



				Torque in Lb.Ft	
FL TORQUE	<u>29.9</u>	Lb.Ft	FL AMPS	<u>26.4/13.2</u>	
BD TORQUE	<u>90.0</u>	Lb.Ft	PU TORQUE	<u>70.0</u>	Lb.Ft
LR TORQUE	<u>76</u>	Lb.Ft	LR AMPS	<u>81</u>	
WINDING	K2154513-3		Date	11/5/2018	