

# PRODUCT INFORMATION PACKET

Model No: 215TTWR6027

Catalog No: N319A

PowerWash™ XT Wash Down Duty™ General Purpose Motor, 10 & 7.5 HP, 3 Ph, 60 & 50 Hz,  
230/460 & 190/380 V, 1800 & 1500 RPM, 215T Frame, TEFC



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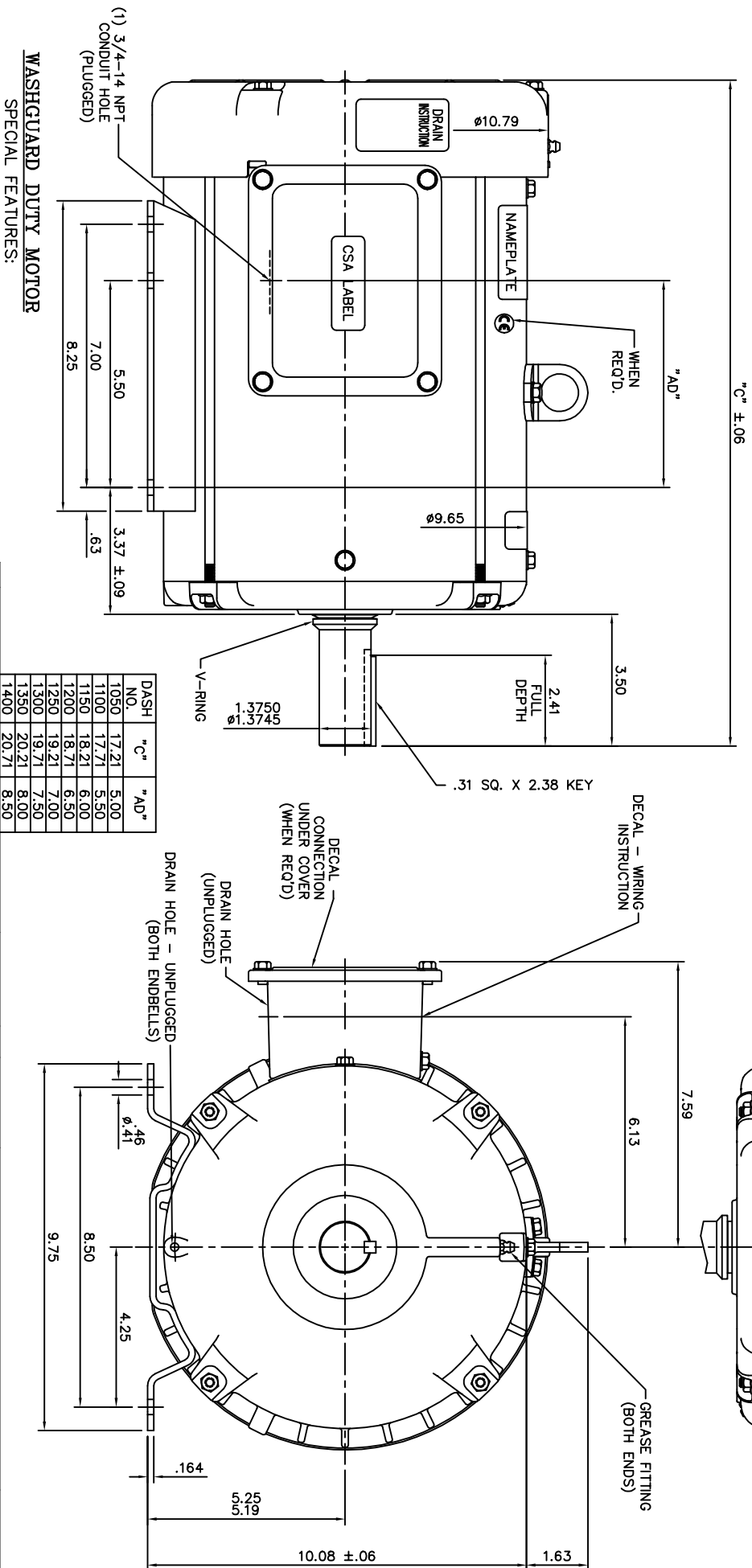
### Nameplate Specifications

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>1765 &amp; 1460 rpm</b>	Service Factor	<b>1.15 &amp; 1.0</b>
Frame	<b>215T</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>91.7 &amp; 91.7 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>26.8/13.4 &amp; 31.2/15.6 A</b>	Power Factor	<b>77</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>6206</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>.755 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>Rolled Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>19.71 in</b>
Frame Length	<b>13.00 in</b>	Shaft Diameter	<b>1.375 in</b>
Shaft Extension	<b>3.5 in</b>	Assembly/Box Mounting	<b>F1/F2 Capable</b>
Inverter Load	<b>CONSTANT 10:1</b>		
Connection Drawing	<b>005010.01ME</b>	Outline Drawing	<b>037641-1300</b>



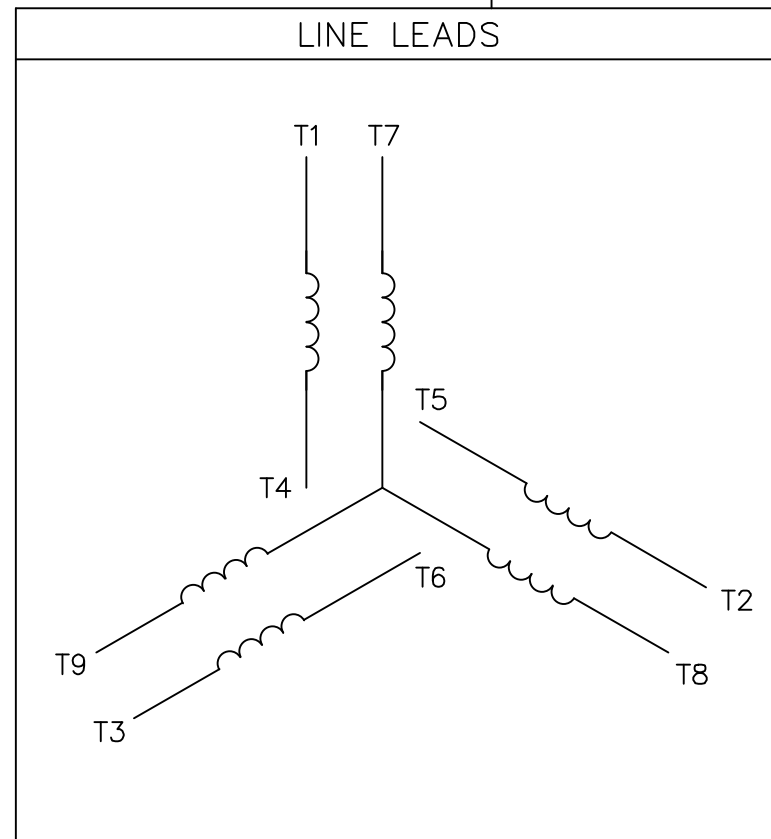
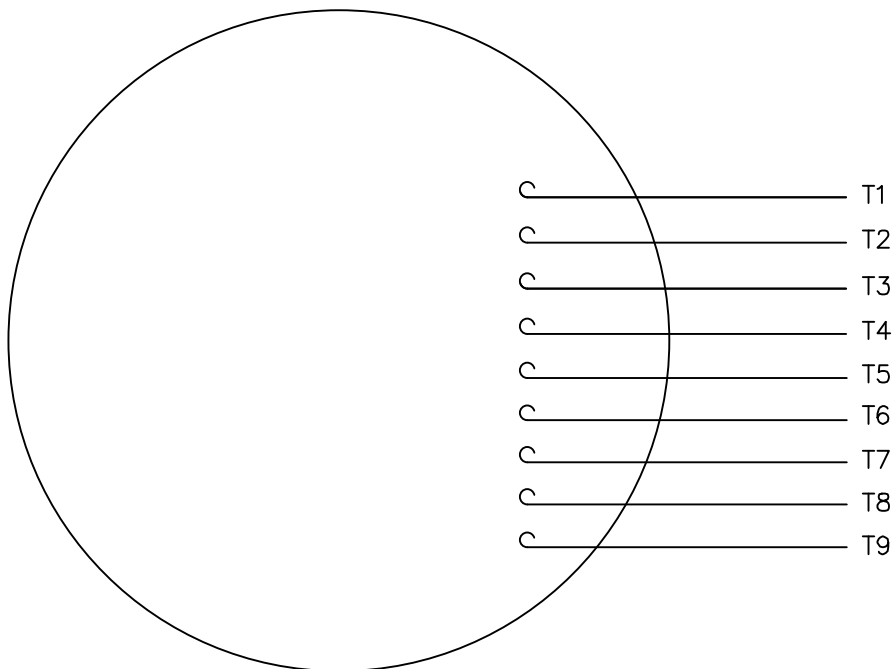


- BUNA-N GASKETS THROUGHOUT
- SHAFT SEALS - BOTH ENDS OF MOTOR
- V-RING AT SHAFT END OF MOTOR
- STAINLESS STEEL SHAFT, NAMEPLATE & HARDWARE
- FDA APPROVED EPOXY PAINT
- PLUGGED DRAIN HOLES IN FRAME
- AT 3:00, 9:00 & 12:00
- DRAIN HOLES IN CONDUIT BOX,
- PLUGGED IN TOP HOLE
- DRAIN HOLES IN BOTH ENDBELLS AT 6:00

NO.	REVISION	BY & DATE	UNPLUGGED	TITLE	DRAWN
			DEC.	OUTLINE - 210T FRAME	CHK
			X ±.1	TEFC - RIGID	APPD
			XX ±.03	WASHGUARD	SCALE 3-8
			XXX ±.006		REF
			XXXX ±.0006		FNF
			ANG ±1/2"		PREV
			CHK		
			ANG ±1/2"		
			RPP	CAD FILE	
			DIST	037641	
				SIZE	
				DRAWING NO.	
				037641	
				REV.	
				REV.	

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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		DRAWN RDW 04/12/02					
		DEC.	INCHES	CHK					
		.X	±.1	APPD					
		.XX	±.01	SCALE 1=1					
		.XXX	±.005	REF FIG.2-51					
		.XXXX	±.0005	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV			
				±1/2'					
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	00501001ME	SIZE	DRAWING NO.	REV.
			DIST				A	005010-01ME	



TITLE EXTERNAL WIRING DIAGRAM  
3 PHASE W/O PROTECTOR  
MAT'L. DECAL - 004014

**CERTIFICATION DATA SHEET**

**Model#:** 215TTWR6027 AA  
**CONN. DIAGRAM:** 005010.01ME  
**OUTLINE:** 037641-1300

**WINDING#:** T9497 FR 3  
**ASSEMBLY:** F1/F2 CAPABLE

**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	1765&1460	215T	TEFC	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	26.8/13.4&31. 2/15.6	LINE OR INVERTER	CONTINUOU S	F4	1.15/1.0	40	3300

FULL LOAD EFF: 91.7&91.7	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 90.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
			0	SQ CAGE INV RATED	12.4 / 6.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.75 LB-FT	158 / 79	55.2 LB-FT 186	90 LB-FT 303	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	1.16 LB-FT^2	1.2 LB-FT^2	0 SEC.	0	0 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	WHITE - LEESON (EPOXY)

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

INVERTER TORQUE: CONSTANT 10:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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DATE: 06/23/2017 01:04:52 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

Data Sheet

Date: 29-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



215TTWR6027

Submittal

Data @ 460 V

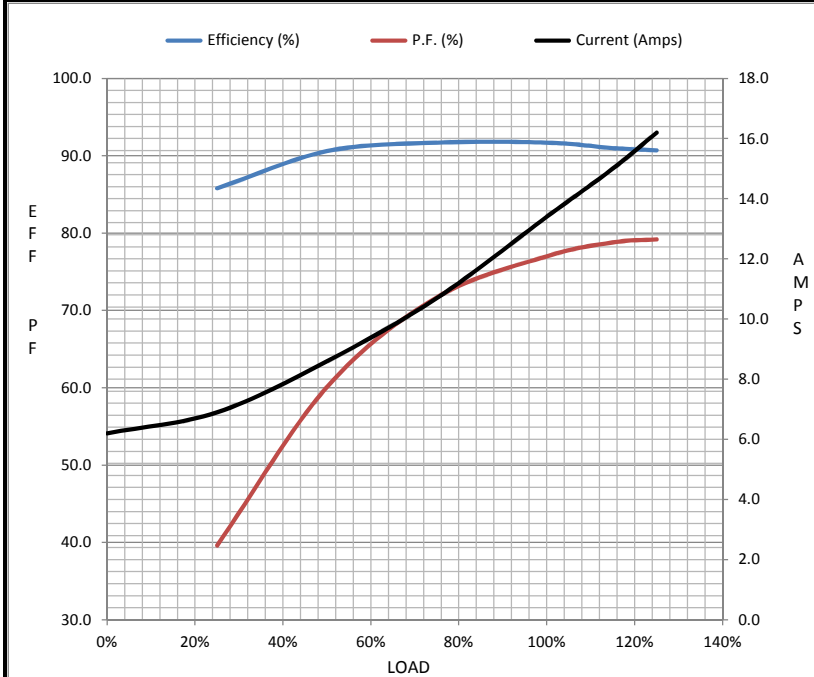
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	6.2	6.9	8.6	10.7	13.4	15.0	16.2	79.0
Torque (ft-lb)	0.00	7.4	17.4	22.2	29.8	34.2	37.4	55.2
RPM	1800	1793	1784	1774	1765	1,758	1754	0
Efficiency (%)		85.8	90.6	91.7	91.7	91.0	90.7	
P.F. (%)	6.1	39.6	60.1	71.7	77.0	78.8	79.2	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1765	1800
Current (Amps)	79.0	75.0	48.5	13.4	6.2
Torque (ft-lb)	55.2	40.0	90.0	29.8	0.00

Information Block				
HP	10.0			
Sync. RPM	1800			
Frame	210			
Enclosure	TEFC			
Construction	TFW			
Voltage	230/460#190/38(V)			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	55 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	1.16 Lb-Ft <sup>2</sup>			
Ref Wdg	T9497 FR			
Sound Pressure @ 1M	62 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	037641-1300			
Conn. Diag	005010.01ME			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

