

PRODUCT INFORMATION PACKET



Model No: 170615.60

Catalog No: 170615.60

WATTSaver® General Purpose Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,
3600 & 3000 RPM, 215T Frame, TEFC



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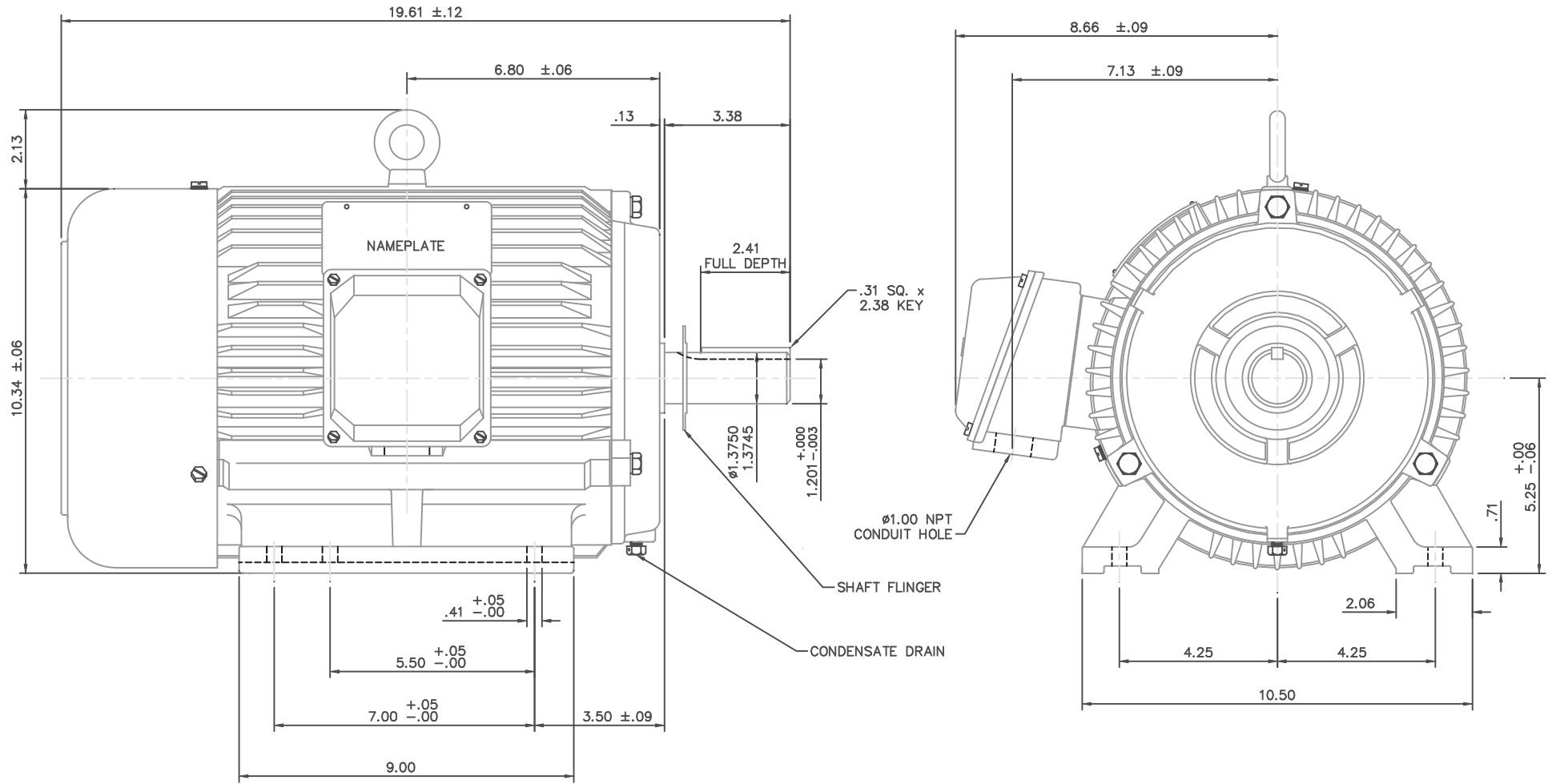


Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	208-230/460 & 190/380 V
Speed	3520 & 2945 rpm	Service Factor	1.15 & 1.15
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	38.5-35/17.5 & 29/14.5 A	Power Factor	86.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6306
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

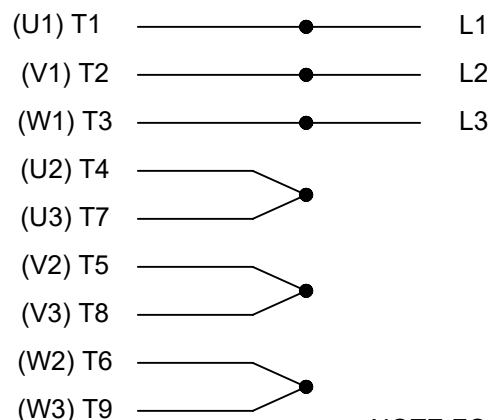
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.5505 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	19.61 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	A-EE7308T	Outline Drawing	16953660



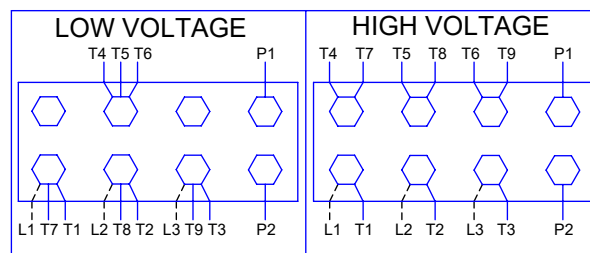
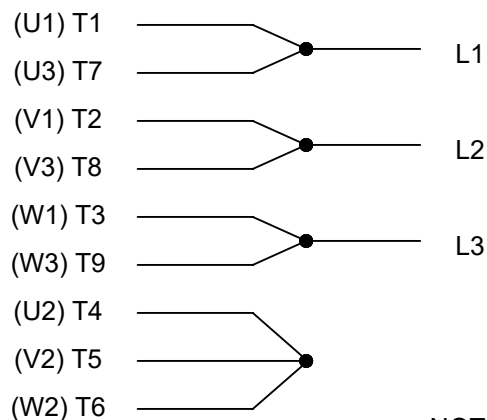
				TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION		
				DEC.	INCHES	METRIC			
				.X	±.1	±2.5	DRAWN	DRZ 03/19/01	TITLE
				.XX	±.03	±.76	APPR.		OUTLINE - 215T FRAME
				.XXX	±.005	±.127	R.F.P.		TEFC - RIGID MOUNT, NEW CON-BOX
01	REDRAWN TO CURRENT CAD STANDARDS	CJK 9/17/01		.XXX	±.005	±.127	SCALE	3=8	MAT'L
NO.	REVISION	BY & DATE	CHK'D.	.XXXX	±.0005	±.0127	SCALE	3=8	CAST IRON
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				ANGLES	±1/2°	FMF		HEBEI	01
									DRAWING NO.
									169536-60

HIGH VOLTAGE

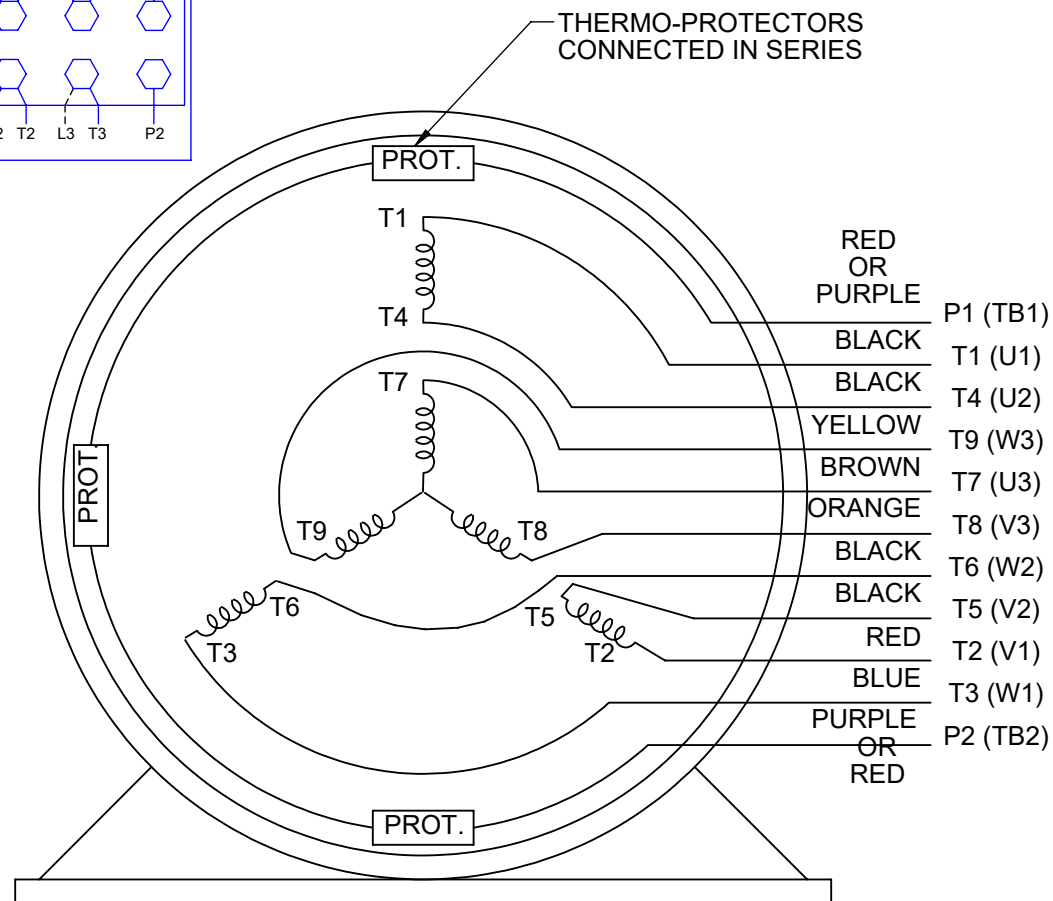


NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE






THREE PHASE DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

DRAWING REVISION T		REVISION BY ZR		DATE 01-14-2019			DRAWN BY SMC		 Regal Beloit America, Inc.						
ECO ECO-0159915		APPROVED BY DR		DATE 01-15-2019			DATE 05-13-1992		DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - DUAL VOLTAGE MOTOR						
ECO DESCRIPTION ADDED TERMINAL CONNECTION DIAGRAM							APPROVED BY TB								
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							REFERENCE EE7308/EE7300								
							THIRD ANGLE PROJECTION				SIZE A		DRAWING NUMBER EE7308T		SHEET 1 OF 1

Data Sheet

Date: 1/30/2018

170615.60



Data @ 460 V

Motor Load Data

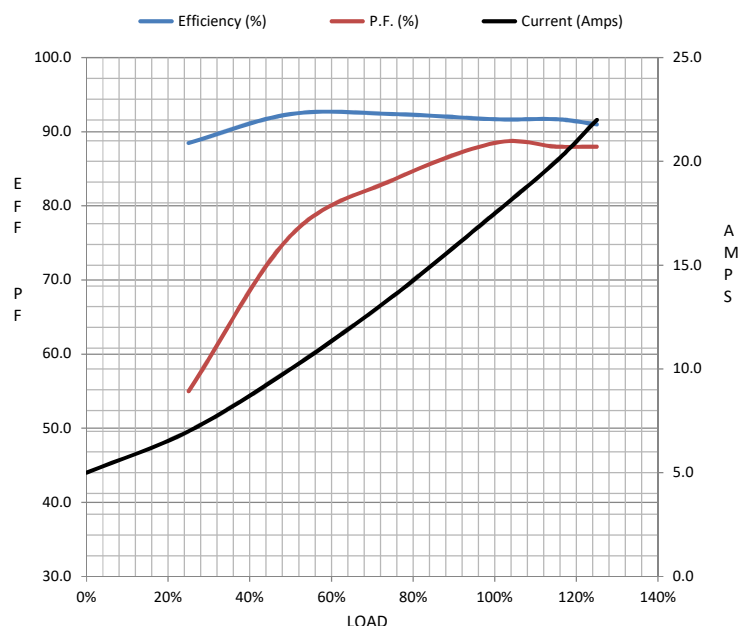
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.0	7.0	10.0	13.5	17.5	20.0	22.0	116	
Torque (ft-lb)	0.00	5.5	11.0	16.7	22.3	25.9	28.2	42.0	
RPM	3600	3580	3565	3545	3520	3,515	3500	0	
Efficiency (%)		88.5	92.4	92.4	91.7	91.7	91.0		
P.F. (%)	7.0	55.0	76.0	83.5	88.5	88.0	88.0	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3100	3520	3600
Current (Amps)	116	107	79.5	17.5	5.0
Torque (ft-lb)	42.0	45.5	68.0	22.3	0.00

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	215			
Enclosure	TEFC			
Construction	TFC			
Voltage	208-230/460#190/380	V		
Frequency	60	Hz		
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	60	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.00	Lb-Ft²		
Ref Wdg	T10702023 NONE			
Sound Pressure @ 1M	68	dBA		
VFD Rating	CONSTANT 10:1			
Outline Dwg	169536.60			
Conn. Diag	A-EE7308T			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

