

PRODUCT INFORMATION PACKET



Model No: 170212.60
Catalog No: 170212.60
10 HP Special Voltage Motor, 3 phase, 1800 RPM, 575 V, 215T Frame, TEFC
Special Voltage Motors



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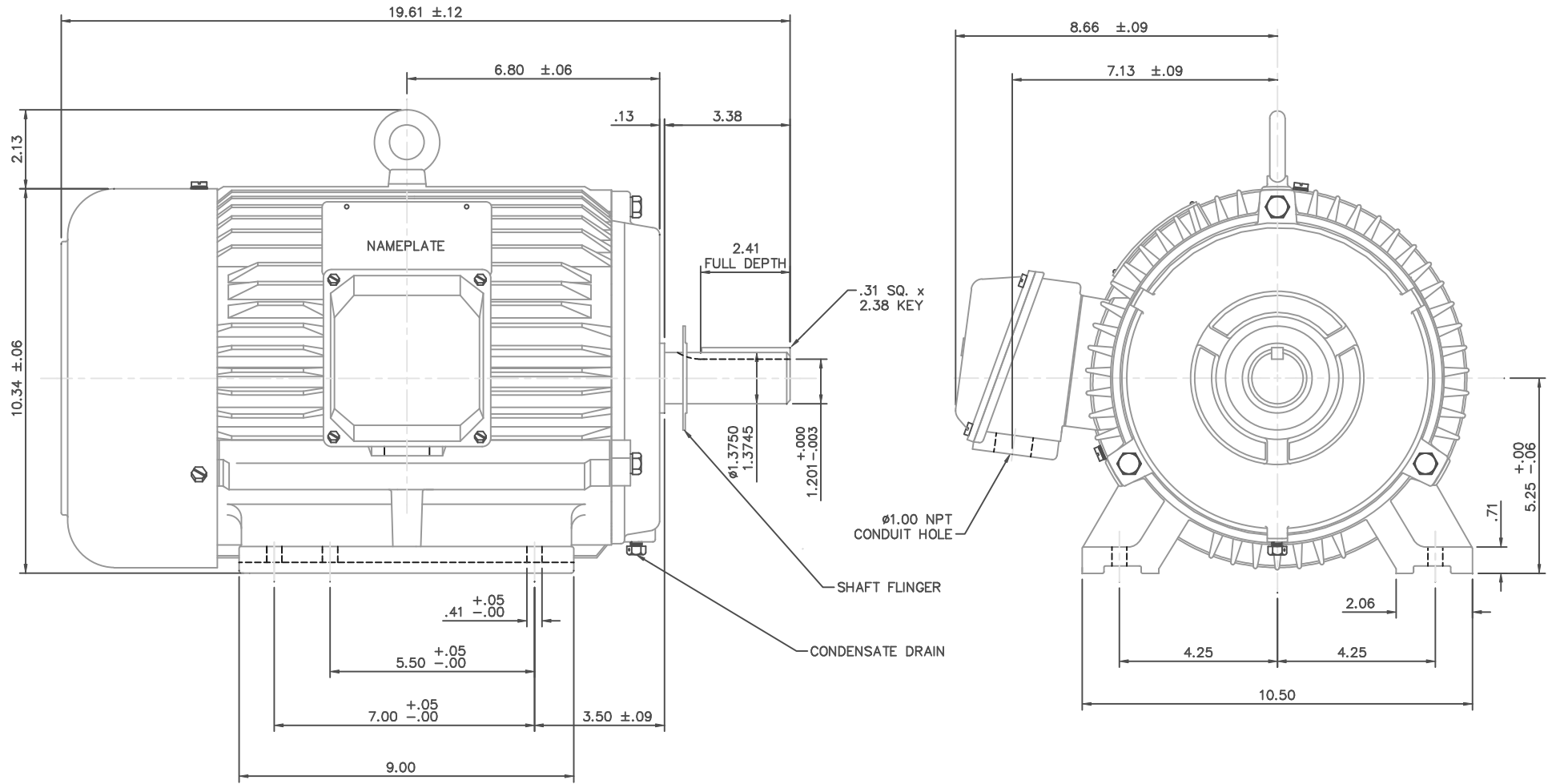
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	10.0 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	81.6
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
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	4	Rotation	Reversible
Resistance Main	1.36 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 ONLY	Inverter Load	CONSTANT 10:1
Connection Drawing	005102.01	Outline Drawing	16953660

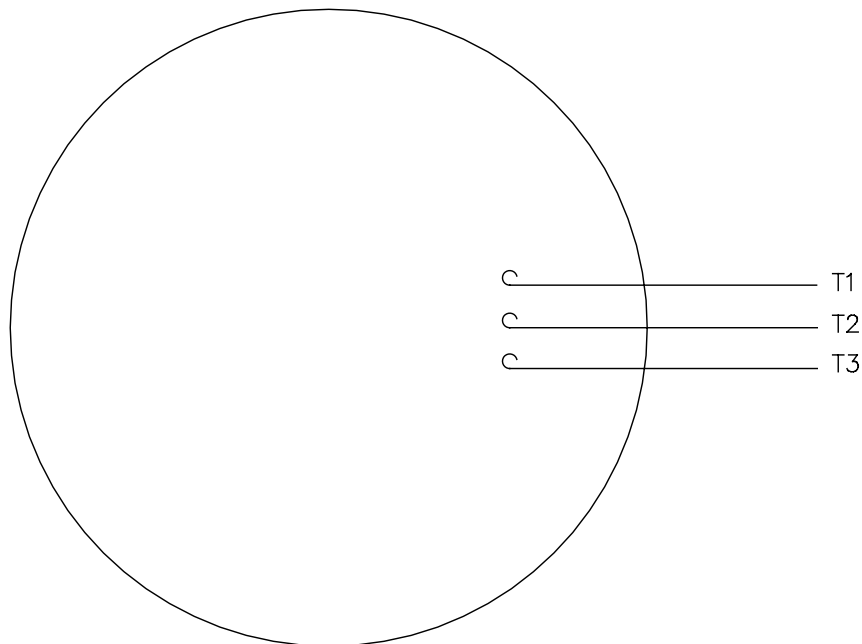
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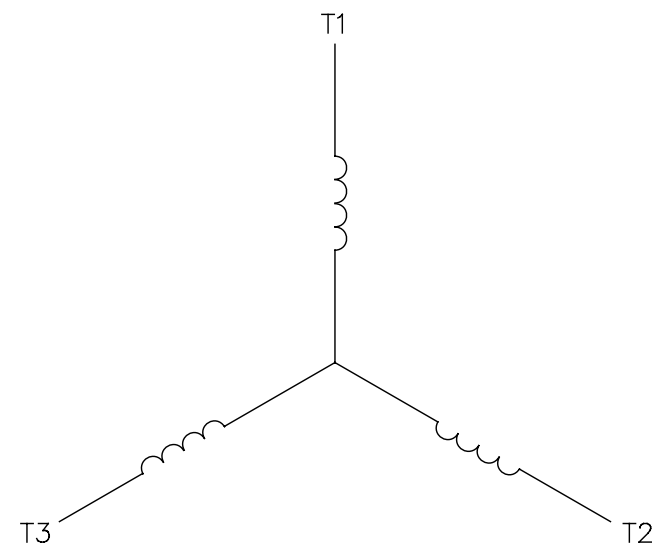
				TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION		
				DEC.	INCHES	METRIC			
				.X	$\pm .1$	± 2.5	DRAWN	DRZ 03/19/01	TITLE
				.XX	$\pm .03$	$\pm .76$	APPR.		OUTLINE - 215T FRAME
				.XXX	$\pm .005$	$\pm .127$	R.F.P.		TEFC - RIGID MOUNT, NEW CON-BOX
01	REDRAWN TO CURRENT CAD STANDARDS	CJK 9/17/01		.XXXX	$\pm .0005$	$\pm .0127$	SCALE	3=8	MAT'L CAST IRON
NO.	REVISION	BY & DATE	CHK'D.	FRACTIONS	$\pm 1/64$	REF.	169501	FINISH	HEBEI
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.				ANGLES	$\pm 1/2^\circ$	FMF		REV. 01	DRAWING NO. 169536-60

005102-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS

CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ()

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN JRW 9/11/75		
				DEC.	INCHES		CHK		
				.X	±.1		APPD JCW 9/11/75		
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR	SCALE 1=1		
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97		.XXX	±.005		REF W-T6343-6		
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95		.XXXX	±.0005	MAT'L. DECAL - 004169	FMF 6T17FB7		
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	5/1/02		CAD FILE 00510201	SIZE	DRAWING NO.	REV.
			DIST	BRF-NLV			A	005102-01	08



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005102.01
OUTLINE: 16953660
WINDING #: T10704006 FR 4 A

CATALOG #: 170212.60
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1800	1760	215T	TEFC	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	10	LINE OR INVERTER	CONTINUOUS	F5	1.15	40

FULL LOAD EFF:	91.7	3/4 LOAD EFF:	92.2	1/2 LOAD EFF:	91.3	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	81.6	3/4 LOAD PF:	76.3	1/2 LOAD PF:	64.9	89.5	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
0 LB-FT	70	65.6 LB-FT 220 %	97.1 LB-FT 326 %	110

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	1.039 LB-FT^2	1 LB-FT^2	- SEC.	0	180 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	ODE						
BALL	BALL						
6308	6306						
		POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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

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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