

PRODUCT INFORMATION PACKET



Model No: 171631.60
Catalog No: 171631.60
Severe Duty Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,
215T Frame, TEFC



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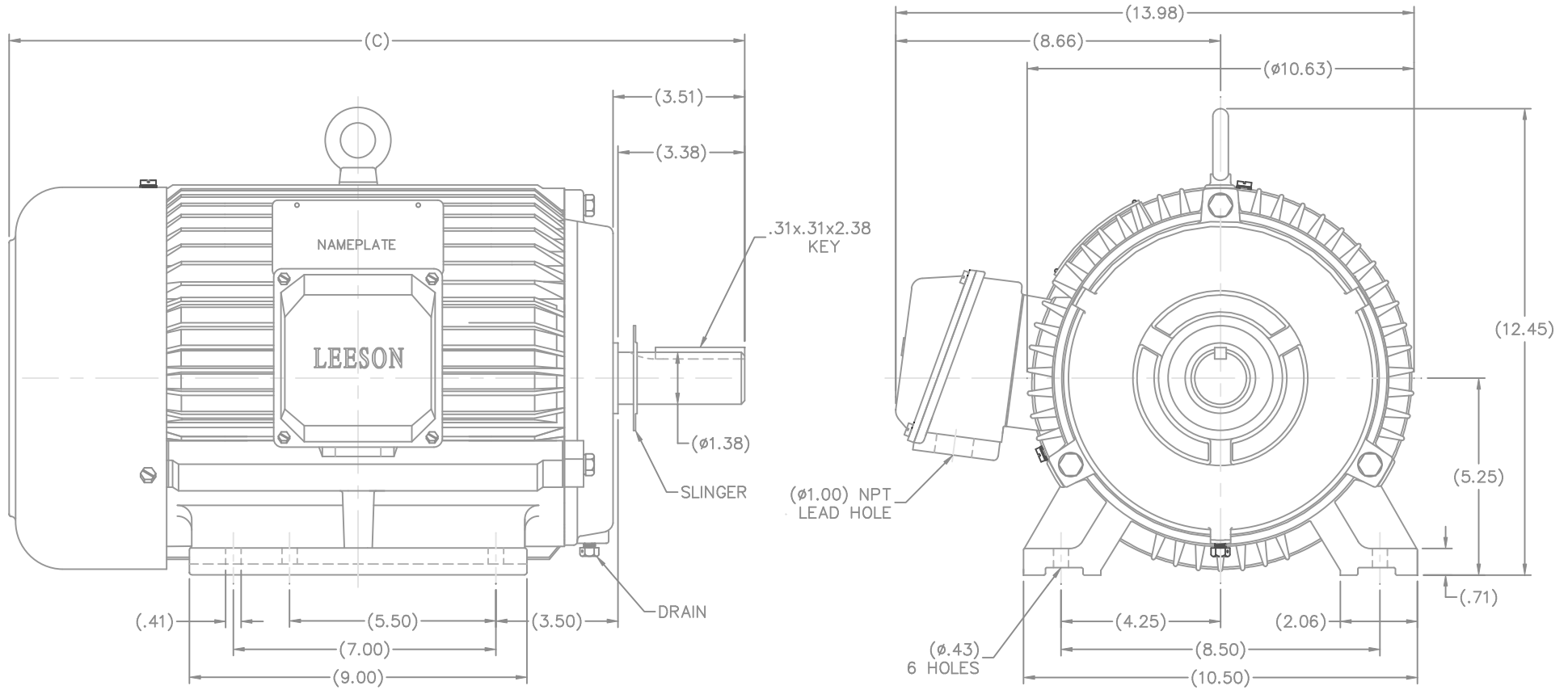


Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	208-230/460 & 190/380 V
Speed	1760 & 1465 rpm	Service Factor	1.25 & 1.15
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	27-25/12.5 & 23/11.5 A	Power Factor	81.6
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6306
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.216 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	19.75 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	00501001	Outline Drawing	SS622138LE



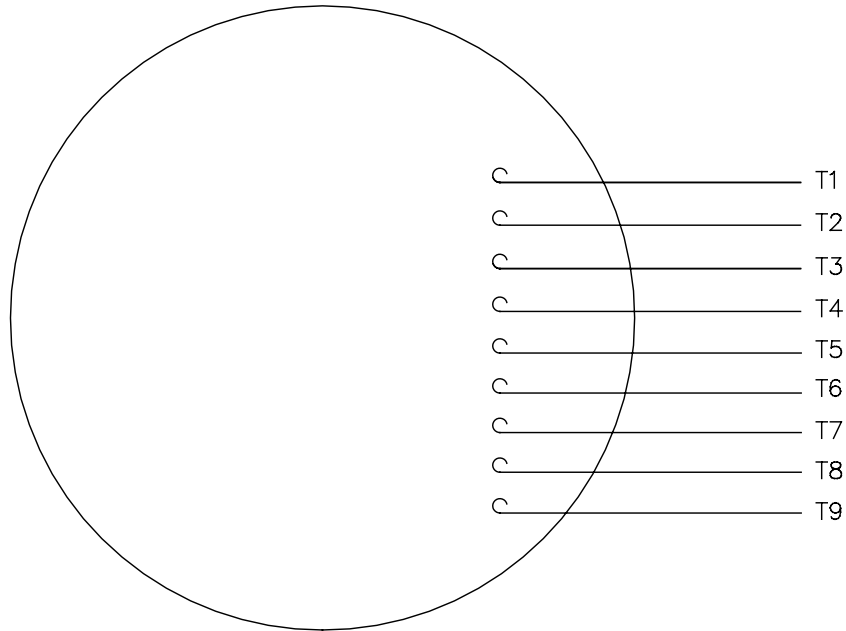
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215T	19.75
FRAME	C

		TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN MSG 06-02-2006					
		DEC.	INCHES			CHK	ML	06-04-2006			
		.X	±.1			APPD	SB 06-08-2006				
		.XX	±.03		TITLE	SCALE	3=8				
		.XXX	±.005		215T FR. - TEFC	REF					
		.XXXX	±.0005		MAT'L	FMF	HEBEI				
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	171617.60, 171631.60, 171635.60				
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				DIST	WA		B	SS622138LE			

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



Regal Beloit America, Inc.

DRAWN RDW 04/12/02

CHK

APPD

SCALE 1=1

REF FIG.2-51

NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L.

TITLE
EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR

DECAL - 004014

FMF

PREV

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CAD FILE 00501001

SIZE	DRAWING NO.	REV.
A	005010-01	A



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 00501001
OUTLINE: SS622138LE
WINDING #: T10704006 FR 3 A

CATALOG #: 171631.60
MOUNTING: 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	1760&1465	215T	TEFC	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	208-230/460&190/380	27-25/12.5&23/11.5	LINE OR INVERTER	CONTINUOUS	F5	1.25/1.15	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	175 / 87.5	65.6 LB-FT 220 %	97.1 LB-FT 326 %	53.2

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	187 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	TRUE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	CAST IRON
6308	6306						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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INVERTER TORQUE: CONSTANT 10:1/VARIABLE 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