

# PRODUCT INFORMATION PACKET



Model No: 171635.60

Catalog No: 171635.60

Severe Duty Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 & 1000 RPM,  
215T Frame, TEFC



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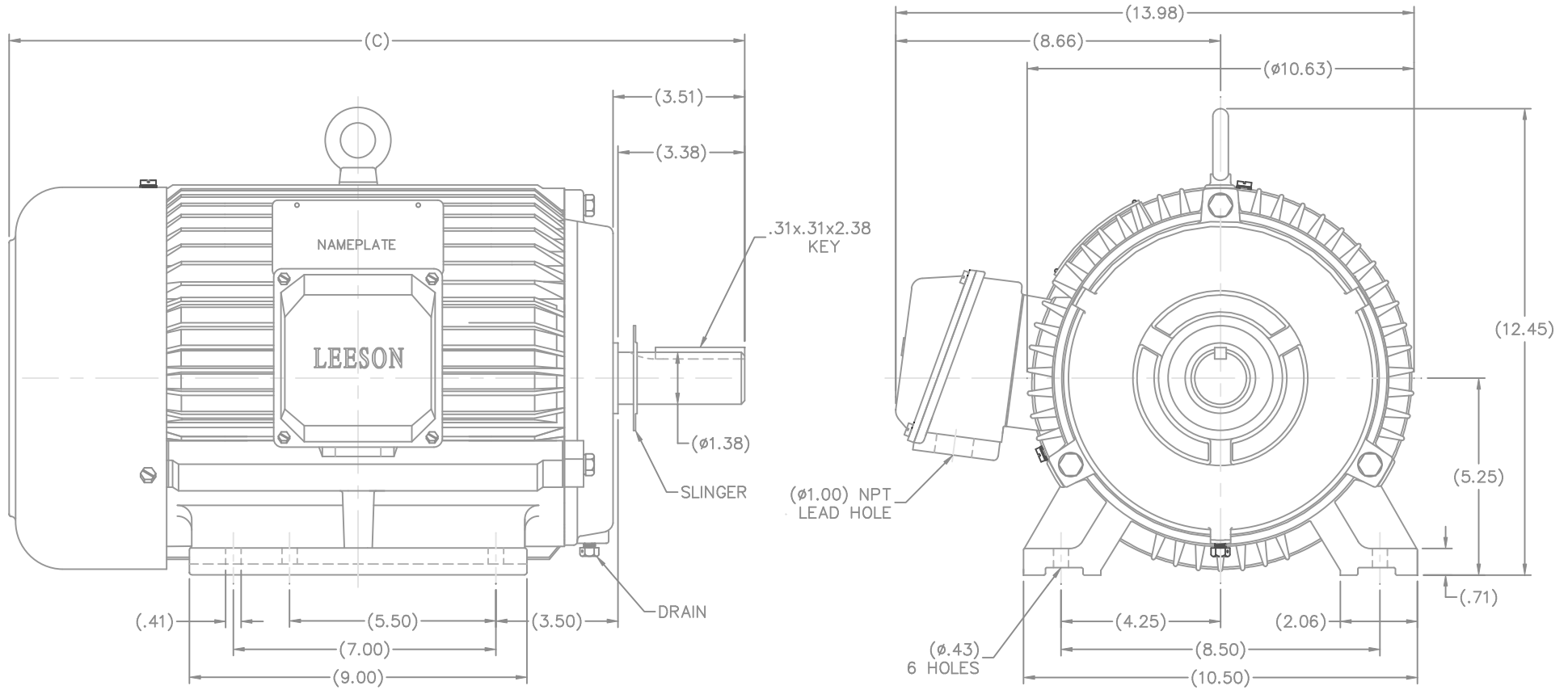


### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>5 &amp; 3 Hp</b>
Output KW	<b>3.7 &amp; 2.2 kW</b>	Voltage	<b>208-230/460 &amp; 190/380 V</b>
Speed	<b>1180 &amp; 985 rpm</b>	Service Factor	<b>1.25 &amp; 1.15</b>
Frame	<b>215T</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>89.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>15.3-14.4/7.2 &amp; 11.8/5.9 A</b>	Power Factor	<b>71.4</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>J</b>
Drive End Bearing Size	<b>NONE</b>	Opp Drive End Bearing Size	<b>NONE</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>6</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>1.8959 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>Cast Iron</b>
Shaft Type	<b>T</b>	Overall Length	<b>19.75 in</b>
Shaft Diameter	<b>1.375 in</b>	Shaft Extension	<b>3.38 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>SS622138LE</b>	Connection Drawing	<b>00501001</b>



(MAY NOT BE DRAWN TO SCALE)

215T	19.75
FRAME	C

		TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN MSG 06-02-2006	
NO.	REVISION	BY & DATE	CHK			ANG	ML
				.X	±.1		CHK
				.XX	±.03	TITLE	APPD
				.XXX	±.005	OUTLINE	SB
				.XXXX	±.0005	215T FR. - TEFC	06-08-2006
						MAT'L	SCALE
							3=8
							REF
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							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	FINISH	171617.60, 171631.60, 171635.60	
				DIST	WA	CAD FILE	ss622138le
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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. DECAL - 004014	FMF		
NO.	REVISION			BY & DATE	CHK	ANG	±1/2"	FINISH	PREV			
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				DIST	BRF-NLV				A	005010-01		A

Data Sheet

Date: 1/31/2018

171635.60



Data @ **460 V**

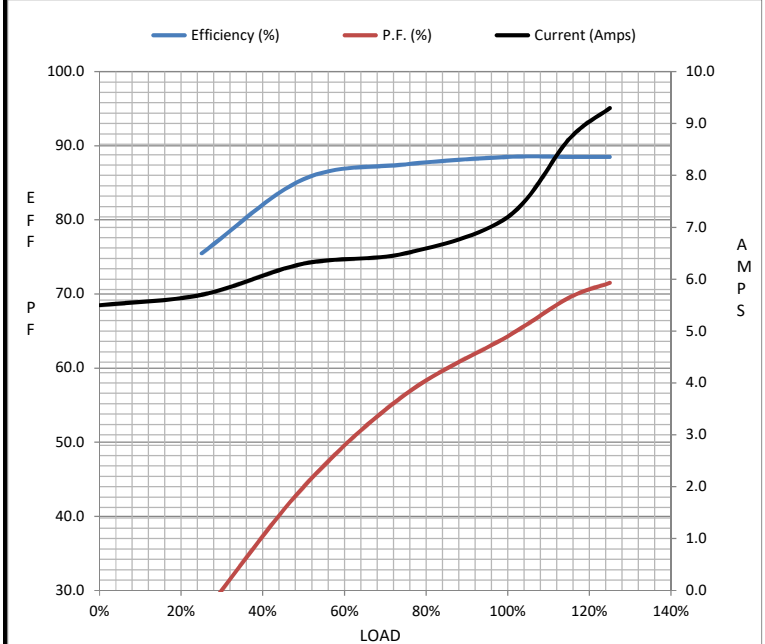
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	5.5	5.7	6.3	6.5	7.2	8.7	9.3	45.5
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	25.7	28.0	40.0
RPM	1200	1195	1190	1185	1180	1,175	1173	0
Efficiency (%)		75.5	85.5	87.5	88.5	88.5	88.5	
P.F. (%)	6.2	26.5	44.0	56.5	64.3	69.5	71.5	40.1

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1000	1180	1200
Current (Amps)	45.5	41.0	30.0	7.2	5.5
Torque (ft-lb)	40.0	36.0	68.5	22.3	0.00

Information Block				
HP	5.0			
Sync. RPM	1200			
Frame	215			
Enclosure	TEFC			
Construction	TFC			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	40 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.00 Lb-Ft <sup>2</sup>			
Ref Wdg	T10706002 FR			
Sound Pressure @ 1M	999 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	SS622138LE			
Conn. Diag	00501001			
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

