

PRODUCT INFORMATION PACKET



Model No: 171816.60

Catalog No: 171816.60

Severe Duty Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 & 1000 RPM,
213TC Frame, TEFC

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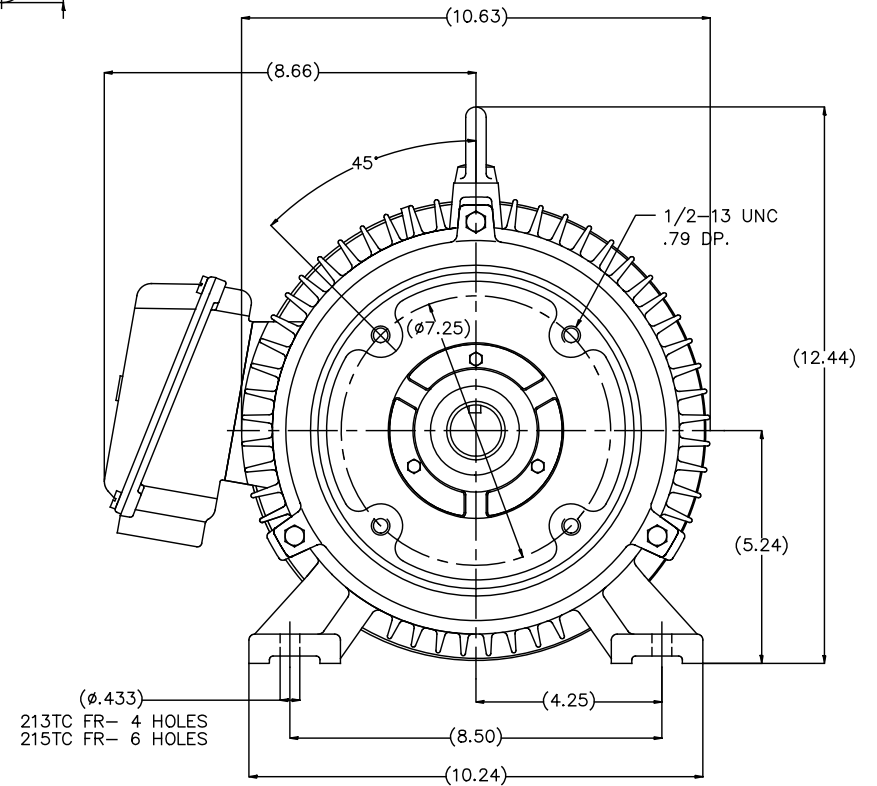
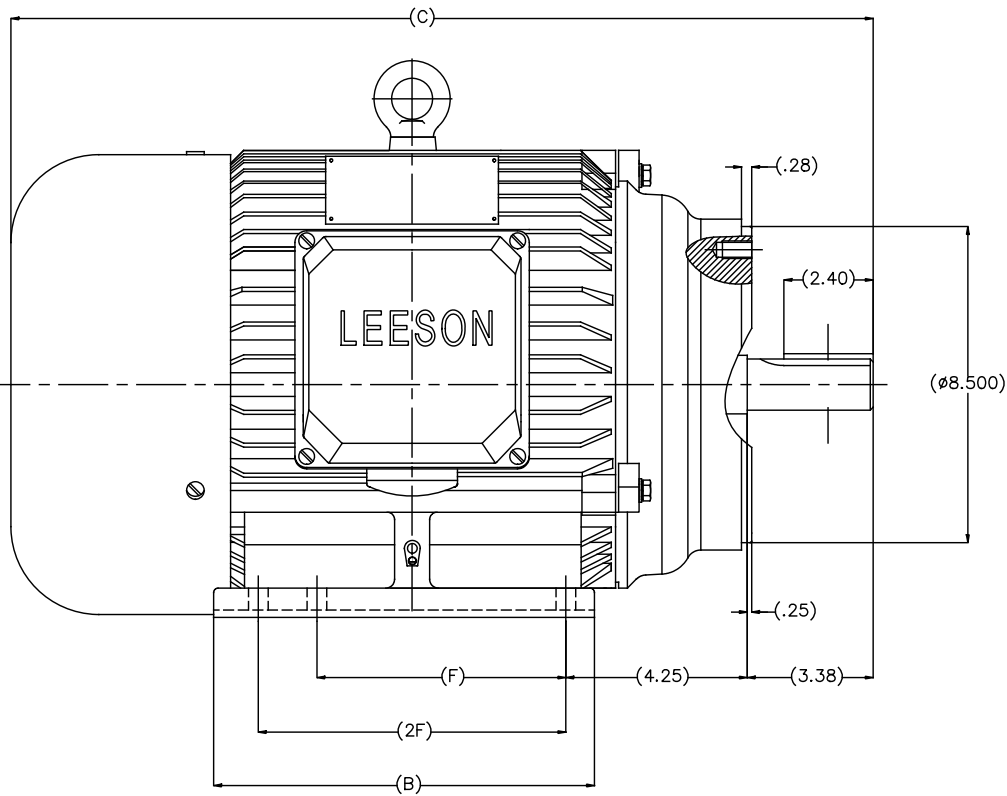


Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	208-230/460 & 190/380 V
Speed	1180 & 985 rpm	Service Factor	1.15 & 1.15
Frame	213TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	9.8-9.4/4.7 & 8.4/4.2 A	Power Factor	65.9
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
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	6	Rotation	Reversible
Resistance Main	3.09 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	18.97 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1
Connection Drawing	005010.20	Outline Drawing	SS620690

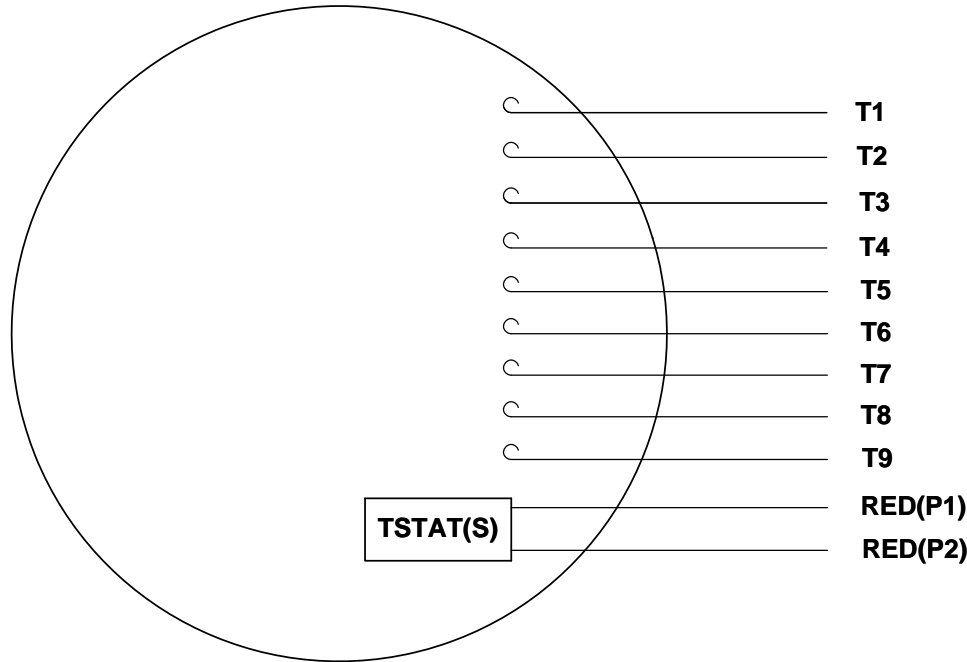


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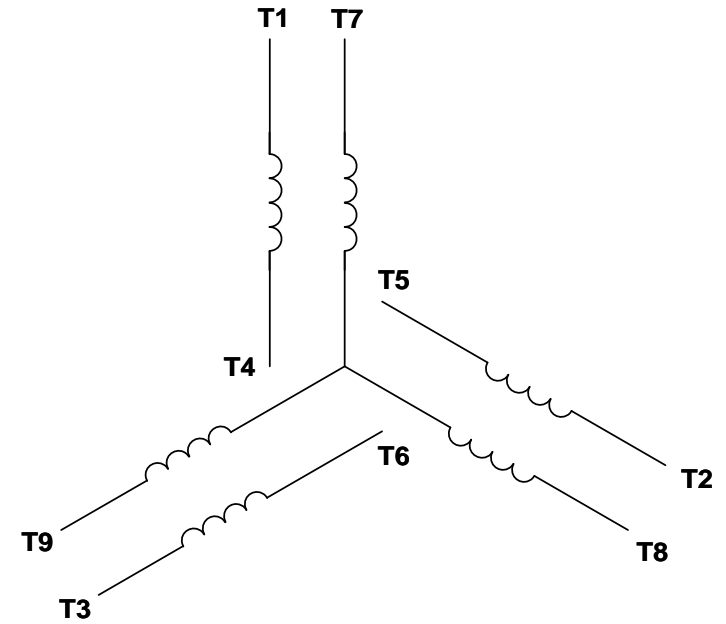
CATALOG NO.	FRAME	F	2F	B	C
171816.60	213TC	-----	5.50	7.32	18.97
171819.60	213TC				
171818.60	215TC				
171821.60	215TC				

					TOLERANCES UNLESS SPECIFIED	 REGAL-BELOIT CORPORATION		DRAWN
				DEC.	INCHES			CHK
				.X	±1			APPD AB 05/27/15
				.XX	±.03	TITLE	OUTLINE	SCALE NONE
				.XXX	±.005	N210TC - TEFC - 210TC FR		REF
A	RELEASED FOR PRODUCTION ECO-0120292	WGJ 03/18/2017	EMH .XXXX	±.0005	MAT'L			FMF
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 DIST	CAD FILE SS620690.dwg	SIZE A	DRAWING NO. PAGE 1 OF 1 REV. A
							SS620690	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



LINE LEADS



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

DRAWING REVISION G	REVISION BY MVG	DATE 04/05/2017
ECO ECO-0121253	APPROVED BY SM	DATE 04/05/2017
ECO DESCRIPTION ADDED P1 & P2 FOR TSTAT		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP			
EDGES: .003/.015 [.076/.381] X 45°			
CORNER FILLETS: R.02 [.51]			
MACHINED SURFACES: 125/3.2			
INCH/mm			
mm SHOWN IN [BRACKETS]			

DRAWN BY DBT 12/16/97	DATE
APPROVED BY KH 12/17/97	DATE
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE WITH PROTECTOR	
MATERIAL DECAL - 004014 (TSTAT) - 080582	PROCESS/FINISH STOCK
SIZE A	DRAWING NUMBER 00501020
SHEET 1 OF 1	