

PRODUCT INFORMATION PACKET



Model No: 140448.00

Catalog No: 140448.00

Definite Purpose Motor, 10 & 2.50 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 & 1800 RPM, 215T Frame,
TEFC



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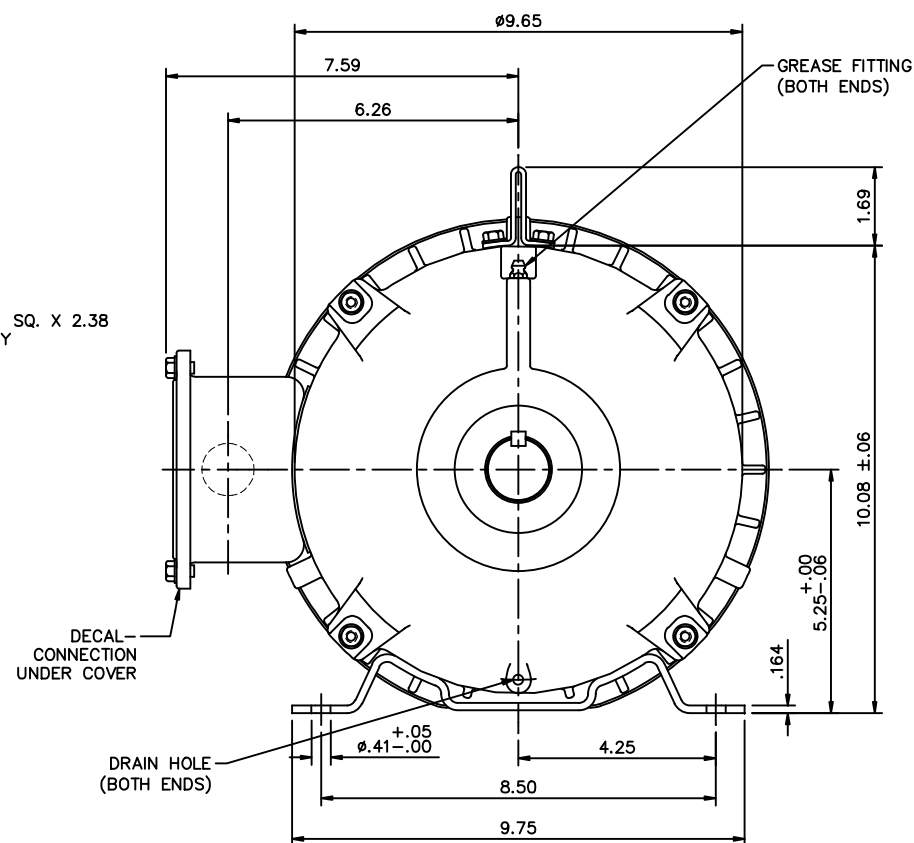


Nameplate Specifications

Phase	3	Output HP	10 & 2.50 Hp
Output KW	7.5 & 1.9 kW	Voltage	460 & 460 V
Speed	1740 & 860 rpm	Service Factor	1.0 & 1.0
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	87.5 & 82.5 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	12.7 & 4.2 A	Power Factor	87.7
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	H
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

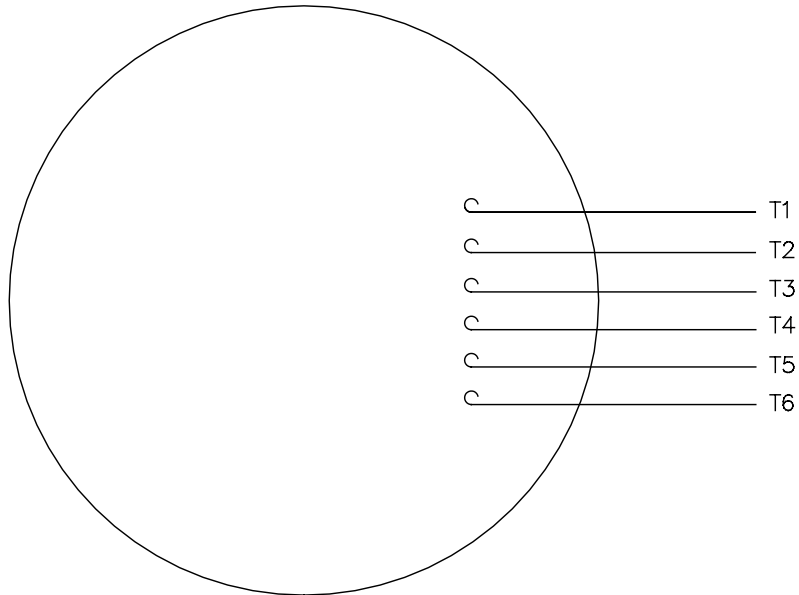
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	18.71 in
Frame Length	12.00 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005200.01	Outline Drawing	OL140448



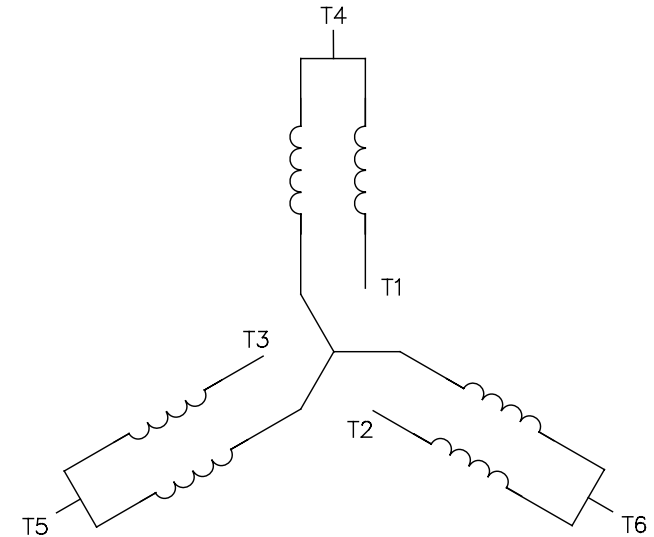
				TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION			
				DEC.	INCHES	METRIC				
01	REMOVED "LEESON" FROM COUDUIT BOX COVER	BPW 05/16/01		.X	±.1	±2.5	DRAWN RDW 05/10/00	TITLE OUTLINE - N21ST FRAME		
				.XX	±.03	±.76	APPR. DWF 05/10/00	TEFC - RIGID MOUNT		
	EFF. 07/31/01			.XXX	±.005	±.127	R.F.P. 05/26/00	MAT'L		
NO.	REVISION	BY & DATE	CH'KD.	.XXXX	±.0005	±.0127	SCALE	3=8		
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 ELECTRONICALLY GENERATED. NO SCALE THIS PRINT.							FRACTIONS	±1/64	REF.	037511
							ANGLES	±1/2"	RFM	
							FINISH	STANDARD	REV.	01
									DRAWING NO.	OL140448

005200-01


VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



SPEED	L1	L2	L3	JOIN	SEPARATE
HIGH	T6	T4	T5	(T1,T2,T3)	
LOW	T1	T2	T3		(T4)(T5)(T6)

				TOLERANCES UNLESS OTHERWISE SPECIFIED		<div> Regal Beloit America, Inc.</div>				
				DECIMALS						
				.00	± .01					
04	SPEED WAS VOLTAGE	EPB	1/17/00	.000	± .005	DRAWN PG 08/08/83	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR			
03	REDRAWN TO CURRENT STANDARDS	DBT	05/30/97	.0000	± .0005	CH'K'D. DLL 08/09/83				
03	REDRAWN TO CURRENT STANDARDS	DBT	05/30/97	.0000	± .0005	APPR. KG 08/09/83	MAT'L DECAL - 004183/080066 2 SPEED 1 WDG. VARIABLE TORQUE MOTOR			
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE 1=1				
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				ANGLES	± 1/2°	REF. 080066	FINISH		SIZE A	DRAWING NO. 005200-01
				INCH/MM		FMF 83648D1				

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Data Sheet

Date: 1/31/2018

140448.00



Data @ 460 V

Motor Load Data

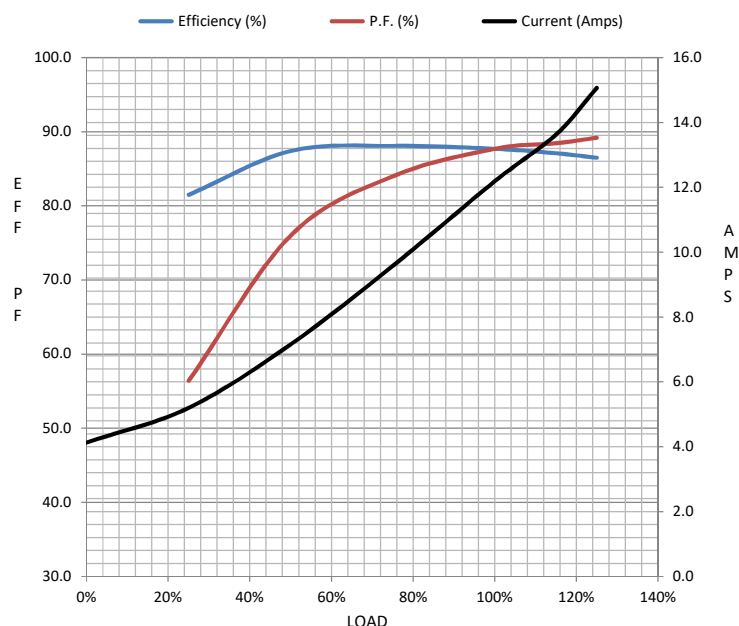
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.1	5.2	7.2	9.6	12.2	13.6	15.1	99.5	
Torque (ft-lb)	0.00	7.5	15.0	22.5	30.0	33.8	37.5	66.7	
RPM	1800	1789	1779	1767	1754	1,748	1740	0	
Efficiency (%)		81.5	87.4	88.1	87.7	87.1	86.5		
P.F. (%)	11.0	56.4	76.0	84.0	87.7	88.5	89.2	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	200	1350	1754	1800
Current (Amps)	99.5	91.5	59.7	12.2	4.1
Torque (ft-lb)	66.7	65.0	106	30.0	0.00

Information Block

HP	10.0			
Sync. RPM	1800			
Frame	210			
Enclosure	TEFC			
Construction	NA			
Voltage	460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.0			
Temp Rise @ FL	102 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 Lb-Ft²			
Ref Wdg	T9(4-8)12 FR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	OL140448			
Conn. Diag	005200.01			
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

