

PRODUCT INFORMATION PACKET



Model No: 193306.60

Catalog No: 193306.60

LEESON® PASSPORT 5.50 HP General Purpose, 3 phase, 3600 RPM, 230/460 V, 112M Frame, TEFC



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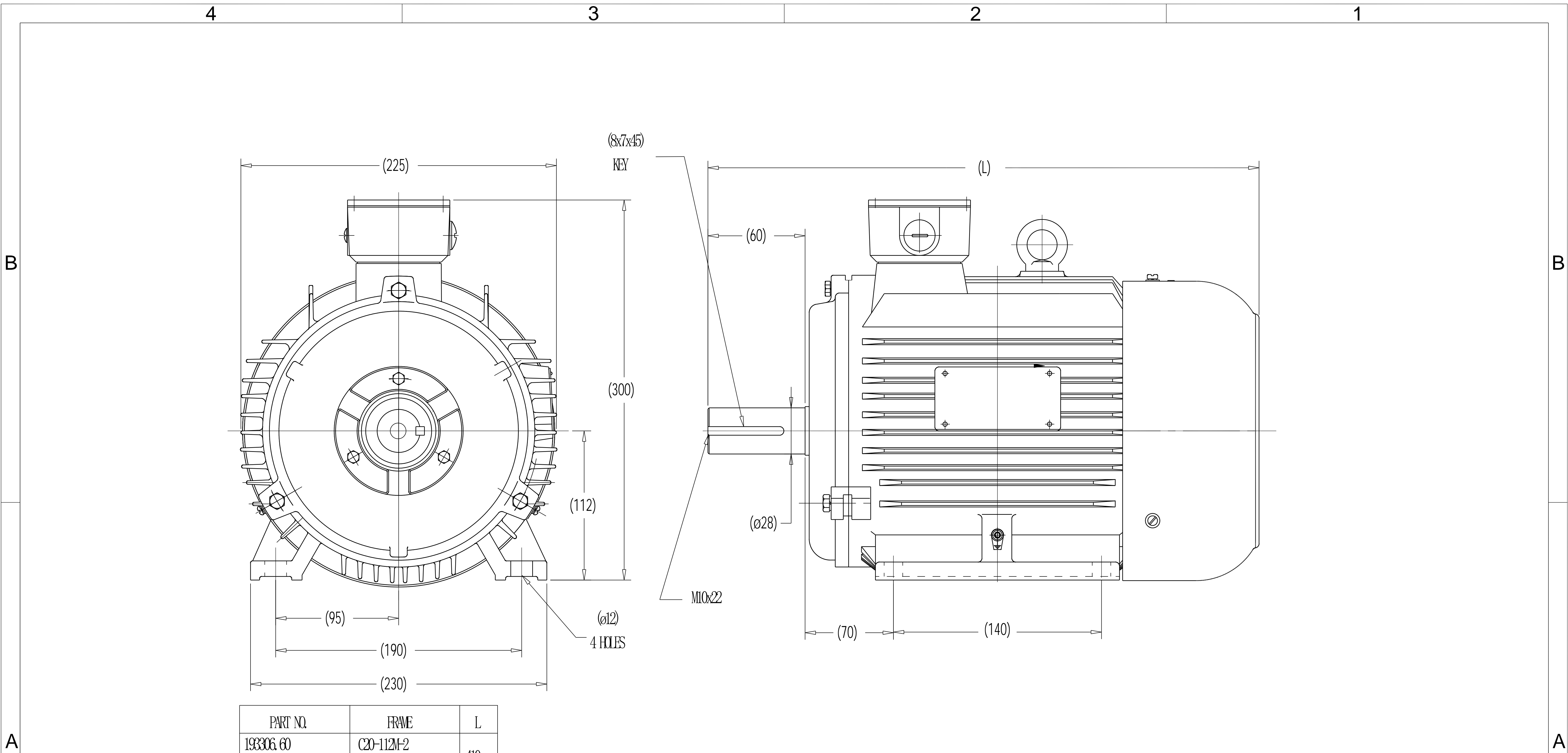


Nameplate Specifications

Phase	3	Output HP	5.50 & 4 Hp
Output KW	4.1 & 3.0 kW	Voltage	230/460 & 200/400 V
Speed	3510 & 2930 rpm	Service Factor	1.15 & 1.15
Frame	112M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	89.5 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	12.6/6.3 & 10.8/5.4 A	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

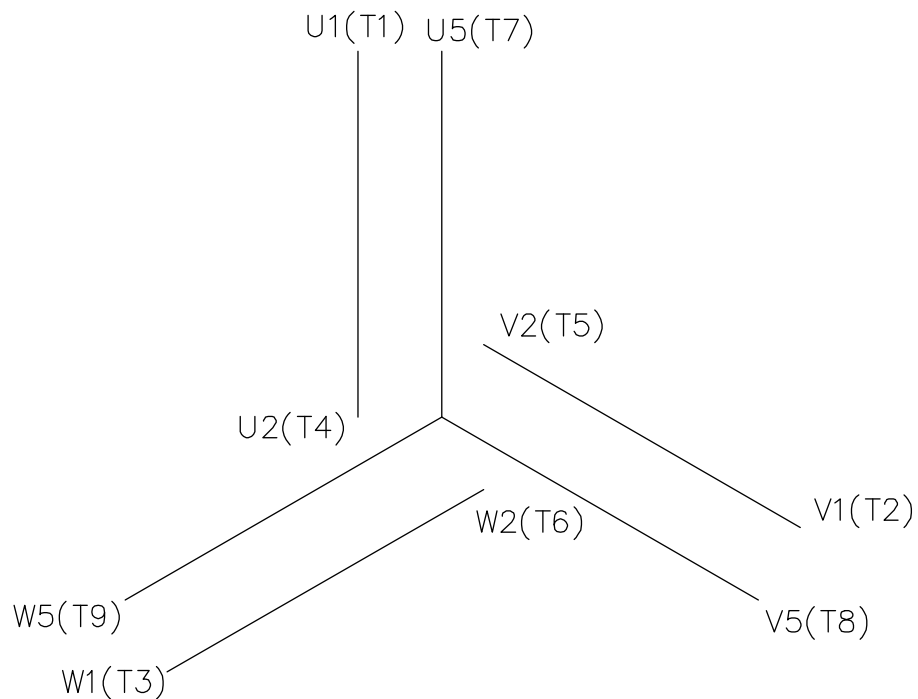
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	IEC
Overall Length	18.42 in	Shaft Diameter	1.125 in
Shaft Extension	2.36 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 10:1		
Outline Drawing	SS622368	Connection Drawing	005465.01



PART NO.	FRAME	L
193306.60	C20-112M-2	410
193307.60	C20-112M1-4	
193302.60	C20-112M1-6	468

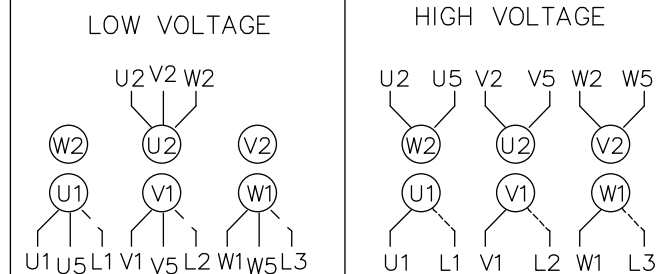
DRAWING NOT TO SCALE

DRAWING REVISION F	REVISION BY W. JOERGER	DATE 08-20-2016	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±7' 30" .XX ±0.03 [±0.76] .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: 200 INCH 5.1 mm mm SHOWN IN [BRACKETS]	DRAWN BY MOL	Regal Beloit America, Inc.	
ECO ECO-0108079	APPROVED BY E. HEIL	DATE 08-20-2016		DATE 04-12-2012		
ECO DESCRIPTION 193307.60 FRAME WAS C20-112M1-6 <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>			DESCRIPTION OUTLINE IEC 112M - 2,4,6 - TEFC	MATERIAL	PROCESS/FINISH	
			REFERENCE	SIZE B	DRAWING NUMBER SS622368	SHEET 1 OF 1



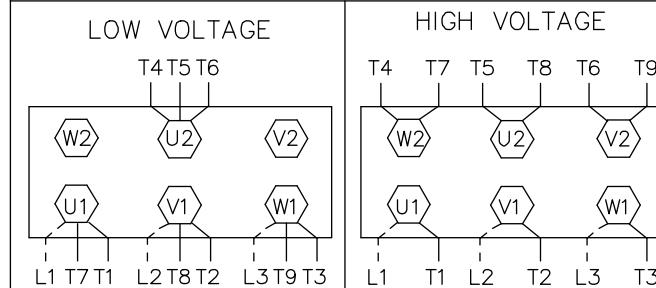
REF. DECAL (IEC) 080644
REF. DECAL (NEMA) 080446

IEC MARKINGS



LINE VOLTAGE	L1	L2	L3	JOIN		
TERMINAL	U1	V1	W1	W2	U2	V2
LOW	U1,U5	V1,V5	W1,W5	---	U2,V2,W2	---
HIGH	U1	V1	W1	U2,U5	V2,V5	W2,W5

NEMA MARKINGS



LINE VOLTAGE	L1	L2	L3	JOIN		
TERMINAL	U1	V1	W1	W2	U2	V2
LOW	T1, T7	T2, T8	T3, T9	---	T4,T5,T6	---
HIGH	T1	T2	T3	T4, T7	T5, T8	T6, T9

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2'



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN MGM 12/3/02

CHK

APPD

SCALE 1=1

REF 00537703

FMF

PREV

TITLE EXTERNAL WIRING DIAGRAM
3 PHASE - DUAL VOLTAGE - W/TERM BLOCK

MAT'L. IEC/NEMA MARKINGS

FINISH THERMAL TRANSFER

NO.	REVISION	BY & DATE	CHK	ANG
01	NEMA LV CONNECTION WAS INCORRECT	RLW 8/4/03		

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RFP
DIST

CAD FILE 00546501

SIZE	DRAWING NO.	REV.
A	005465-01	01

Data Sheet

Date: 2/1/2018

193306.60



Data @ 460 V

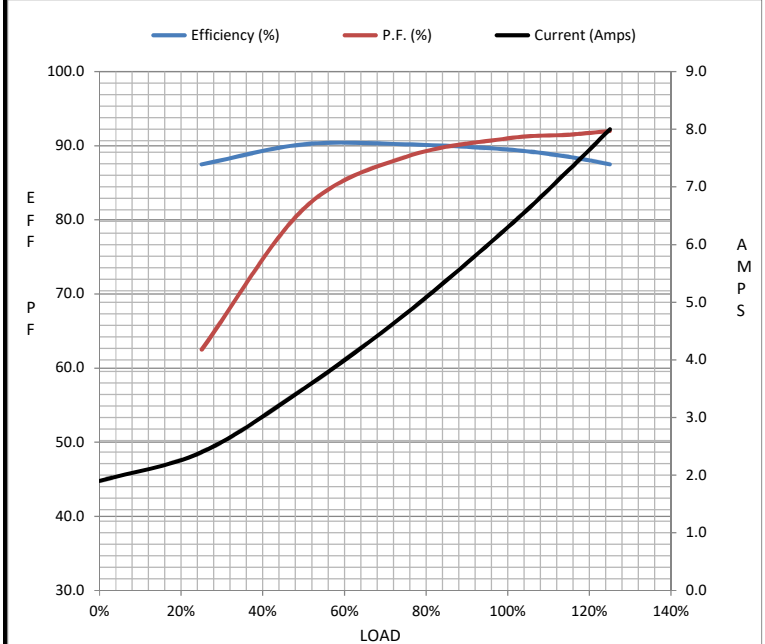
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.90	2.40	3.5	4.8	6.3	7.3	8.0	50.5
Torque (ft-lb)	0.00	2.00	4.1	6.1	8.2	9.5	10.4	17.7
RPM	3600	3580	3560	3535	3510	3,495	3485	0
Efficiency (%)		87.5	90.2	90.2	89.5	88.5	87.5	
P.F. (%)	8.5	62.5	81.5	88.5	91.0	91.5	92.0	55.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2930	3510	3600
Current (Amps)	50.5	44.5	29.5	6.3	1.90
Torque (ft-lb)	17.7	19.9	26.4	8.2	0.00

Information Block				
HP	5.5			
Sync. RPM	3600			
Frame	112			
Enclosure	TEFC			
Construction	TFC			
Voltage	230/460#200/400 V			
Frequency	60 Hz			
Design	A			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	64 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.12 Lb-Ft ²			
Ref Wdg	T08702012 NONE			
Sound Pressure @ 1M	45 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	SS622368			
Conn. Diag	005465.01			
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

