

# PRODUCT INFORMATION PACKET



Model No: 193337.60

Catalog No: 193337.60

LEESON® PASSPORT 4 HP General Purpose, 3 phase, 1800 RPM, 230/460 V, 100L Frame, TEFC



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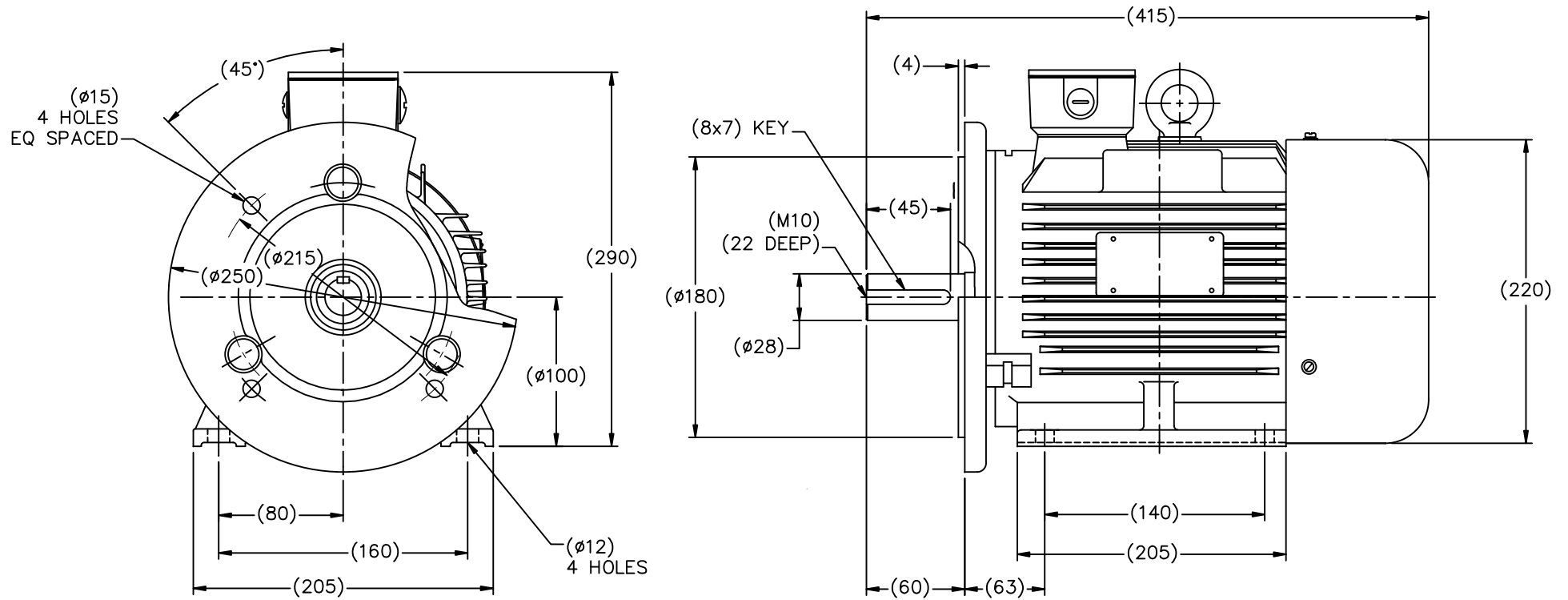


## Nameplate Specifications

Phase	3	Output HP	4 & 3 Hp
Output KW	3.0 & 2.2 kW	Voltage	230/460 & 200/400 V
Speed	1760 & 1465 r/min	Service Factor	1.15 & 1.15
Frame	100L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	89.5 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	10/5 & 9.2/4.6 A	Power Factor	81.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6206
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	2.42 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	16.33 in
Shaft Diameter	1.125 in	Shaft Extension	2.36 in
Assembly/Box Mounting	F3		
Outline Drawing	B-SS622286	Connection Drawing	005465.01

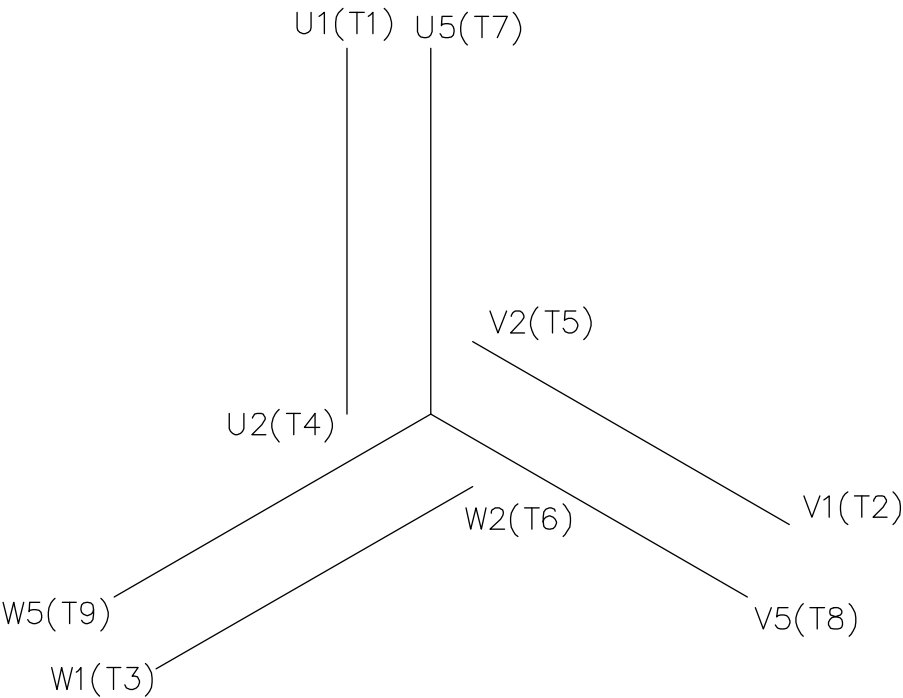


Cat.No	FRAME
193336.60	DF100LD-2R
193334.60	DF100LD1-4R
193337.60	DF100LD2-4R
193333.60	DF100LD-6R

(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

				TOLERANCES UNLESS SPECIFIED		 <b>REGAL-BELOIT CORPORATION</b>	DRAWN HLB 03-01-2011	
				DEC.	INCHES		CHK	MSG 03-01-2011
				.X	±.1		APPD	SB 03-01-2011
				.XX	±.03		SCALE 3=8	
				.XXX	±.005		REF	
				.XXXX	±.0005		FMF HEBEI	
				NO.	REVISION	BY & DATE	CHK	ANG ±7°30"
				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				FINISH
				RFP	03-01-2011	CAD FILE	SS622286	SIZE B
				DIST				DRAWING NO. PAGE OF REV.
								SS622286



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

IEC MARKINGS						
LOW VOLTAGE			HIGH VOLTAGE			
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						
LOW VOLTAGE			HIGH VOLTAGE			
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				ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN MGM 12/3/02	
				DEC.	INCHES			CHK			
				.X	±.1			APPD			
				.XX	±.01			SCALE 1=1			
				.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE - DUAL VOLTAGE - W/TERM BLOCK		REF 00537703			
01	NEMA LV CONNECTION WAS INCORRECT	RLW 8/4/03		.XXXX	±.0005			MAT'L. IEC/NEMA MARKINGS		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	THERMAL TRANSFER	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		CAD FILE 00546501		SIZE	DRAWING NO.		REV.	
			DIST				A	005465-01		01	



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

CATALOG #: 193337.60

CONN. DIAGRAM: 005465.01

OUTLINE: B-SS622286

MOUNTING: F3

WINDING #: T06804015 3

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
4&3	2.98&2.24	1800	1760&1465	100L	TEFC	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&200/400	10/5&9.2/4.6	LINE OR INVERTER	CONTINUOUS	F5	1.15/1.15	40

<b>FULL LOAD EFF:</b>	89.5&88.5	<b>3/4 LOAD EFF:</b>	90.2	<b>1/2 LOAD EFF:</b>	89.5	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	81.5&78	<b>3/4 LOAD PF:</b>	76.5	<b>1/2 LOAD PF:</b>	65.5	87.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.9 LB-FT	80 / 40	26.2 LB-FT 220 %	40.5 LB-FT 340 %	57

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
55 dBA	65 dBA	- LB-FT^2	- LB-FT^2	15 SEC.	2	- LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
FF-FLANGE-215	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6206	6206	POLYREX EM	STANDARD IEC	NONE	NONE	AISI 1045 (C-240)	CAST IRON

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

**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

## Data Sheet

Date: 1/17/2018

193337.60



Data @ 460 V

## Motor Load Data

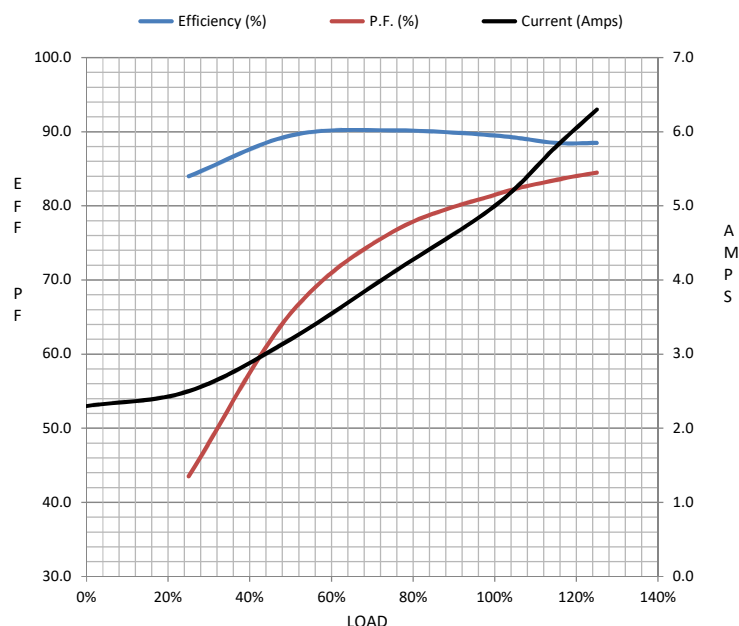
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.30	2.50	3.2	4.1	5.0	5.8	6.3	40.0	
Torque (ft-lb)	0.00	2.90	5.9	8.9	11.9	13.8	15.0	26.2	
RPM	1800	1790	1780	1770	1760	1.750	1750	0	
Efficiency (%)		84.0	89.5	90.2	89.5	88.5	88.5		
P.F. (%)	6.0	43.5	65.5	76.5	81.5	83.5	84.5	41.5	

## Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	750	1650	1760	1800
Current (Amps)	40.0	38.0	24.0	5.0	2.30
Torque (ft-lb)	26.2	25.0	40.5	11.9	0.00

## Information Block

HP	4.0			
Sync. RPM	1800			
Frame	100			
Enclosure	TEFC			
Construction	TFC			
Voltage	230/460#200/400	V		
Frequency	60	Hz		
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	57	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.00	Lb-Ft²		
Ref Wdg	T06804015 NONE			
Sound Pressure @ 1M	55	dBA		
VFD Rating	CONSTANT 10:1			
Outline Dwg	B-SS622286			
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

