

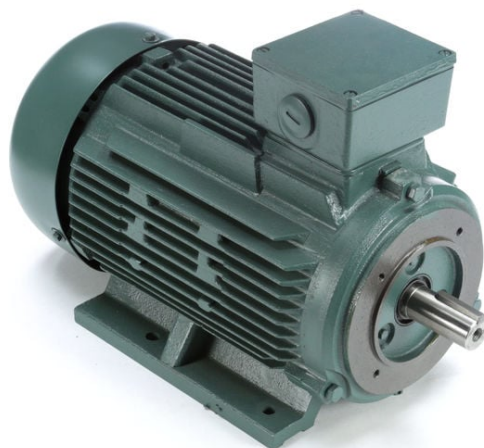
# PRODUCT INFORMATION PACKET



Model No: 193361.60

Catalog No: 193361.60

LEESON® PASSPORT 4 HP General Purpose, 3 phase, 3600 RPM, 230/460 V, 100L Frame, TEFC



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



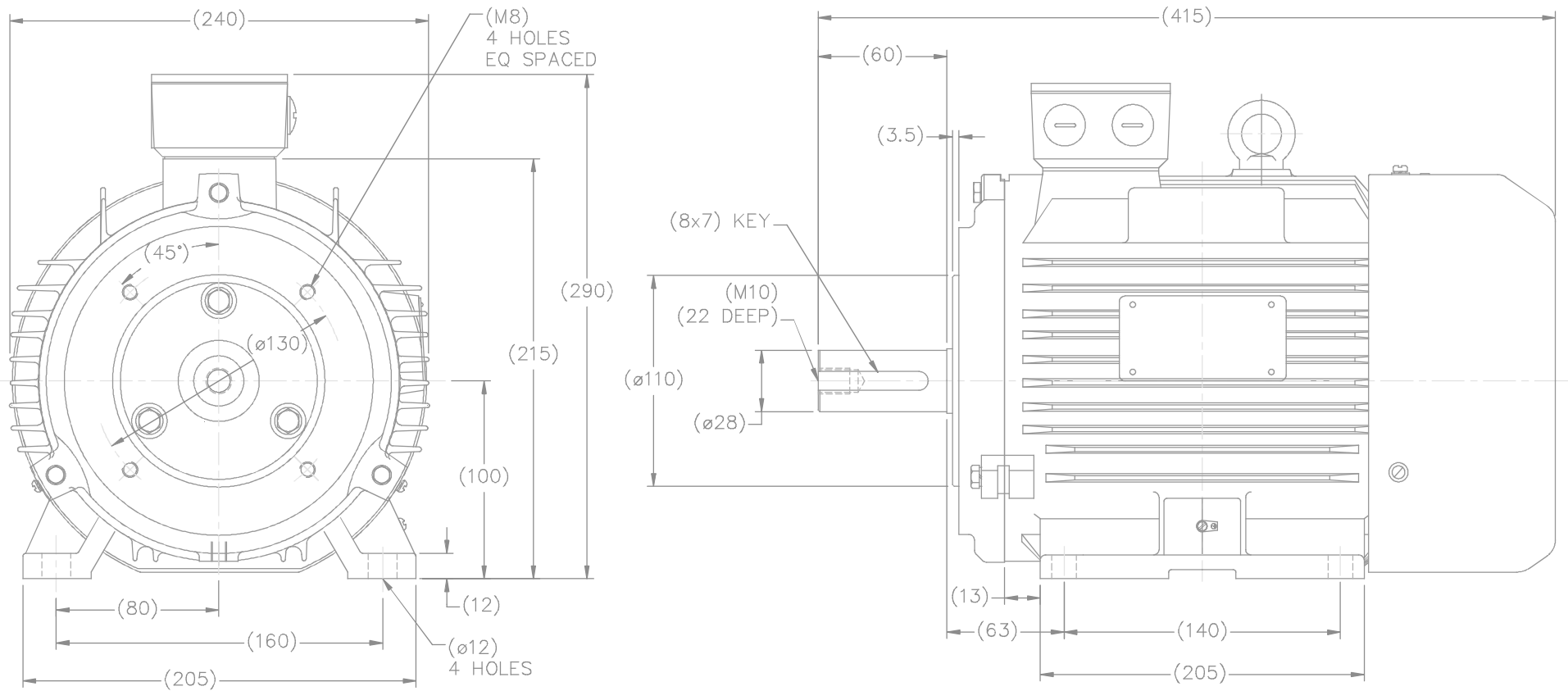


## Nameplate Specifications

Phase	3	Output HP	4 & 3 Hp
Output KW	3.0 & 2.2 kW	Voltage	230/460 & 200/400 V
Speed	3520 & 2938 rpm	Service Factor	1.15 & 1.15
Frame	100L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 89.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	9.2/4.6 & 8.2/4.1 A	Power Factor	90
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	2	Rotation	Reversible
Resistance Main	3.865 Ohms	Mounting	B3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	16.34 in
Shaft Diameter	1.125 in	Shaft Extension	2.36 in
Assembly/Box Mounting	F3		
Outline Drawing	B-SS622273	Connection Drawing	005465.01

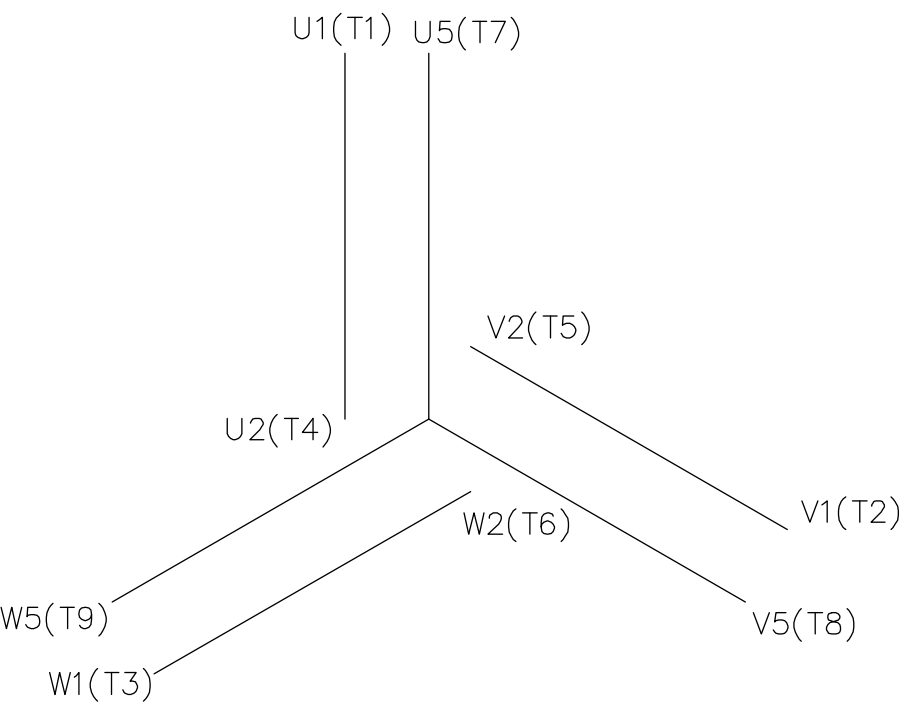


Cat. No	MODEL
193361.60	DF100LC-2R
193359.60	DF100LC1-4R
193362.60	DF100LC2-4R
193358.60	DF100LC-6R

(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

TOLERANCES UNLESS SPECIFIED				DRAWN HLB 12-10-2010	
DEC.	METRIC			CHK	DJK 12-17-2010
.X	±2.5			APPD	SB 12-18-2010
.XX	±.76			SCALE	1=18
.XXX	±.127			REF	
.XXX	±.0127			FMF	HEBEL
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				RFP	12-21-2010
				CAD FILE	SS622273
				DIST	
				SIZE	B
				DRAWING NO.	SS622273
				PAGE	OF
				REV.	



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			REF 00537703			
01	NEMA LV CONNECTION WAS INCORRECT	RLW 8/4/03		.XXXX	±.0005	MAT'L. IEC/NEMA MARKINGS		FINISH THERMAL TRANSFER		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	CAD FILE 00546501		SIZE A		DRAWING NO. 005465-01	
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				REV. 01	



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

**CATALOG #:** 193361.60

**CONN. DIAGRAM:** 005465.01

**OUTLINE:** B-SS622273

**MOUNTING:** F3

**WINDING #:** T06802008 3

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
4&3	2.98&2.24	3600	3520&2938	100L	TEFC	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&200/400	9.2/4.6&8.2/4.1	LINE OR INVERTER	CONTINUOUS	F5	1.15/1.15	40

<b>FULL LOAD EFF:</b>	89.5&89.5	<b>3/4 LOAD EFF:</b>	89.5	<b>1/2 LOAD EFF:</b>	88.5	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	90&89	<b>3/4 LOAD PF:</b>	87	<b>1/2 LOAD PF:</b>	80	88.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6 LB-FT	76 / 38	12 LB-FT 200 %	20 LB-FT 332 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	- LB-FT^2	5 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
FT-FLANGE-130	STANDARD	B3	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (ENAMEL)

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

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

\*

N

O

T

E

**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: 1/19/2018

193361.60



Data @ 460 V

## Motor Load Data

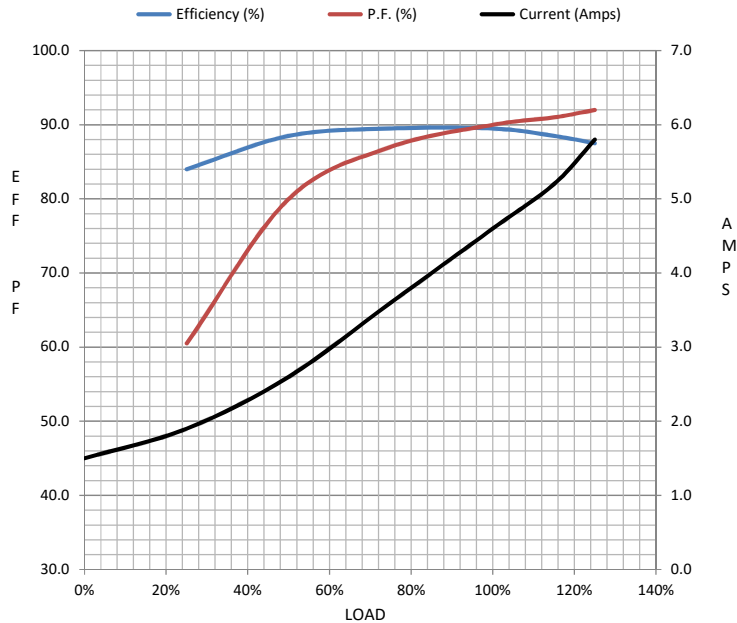
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.50	1.90	2.60	3.6	4.6	5.2	5.8	38.0	
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.9	7.5	12.0	
RPM	3600	3580	3565	3545	3520	3,510	3500	0	
Efficiency (%)		84.0	88.5	89.5	89.5	88.5	87.5		
P.F. (%)	9.5	60.5	80.0	87.0	90.0	91.0	92.0	52.0	

## Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2975	3520	3600
Current (Amps)	38.0	34.0	23.5	4.6	1.50
Torque (ft-lb)	12.0	8.5	20.0	6.0	0.00

## Information Block

HP	4.0			
Sync. RPM	3600			
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	55	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.00	Lb-Ft²		
Ref Wdg	T06802008 NONE			
Sound Pressure @ 1M	72	dBA		
VFD Rating	CONSTANT 10:1			
Outline Dwg	B-SS622273			
Conn. Diag	005465.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
2.4820	1.2760	3.9350	2.1270	178.6680



## Speed - Torque Curve

