

PRODUCT INFORMATION PACKET



Model No: 193362.60

Catalog No: 193362.60

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 rpm	Service Factor	1.15 & 1.15
Frame	100L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	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	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

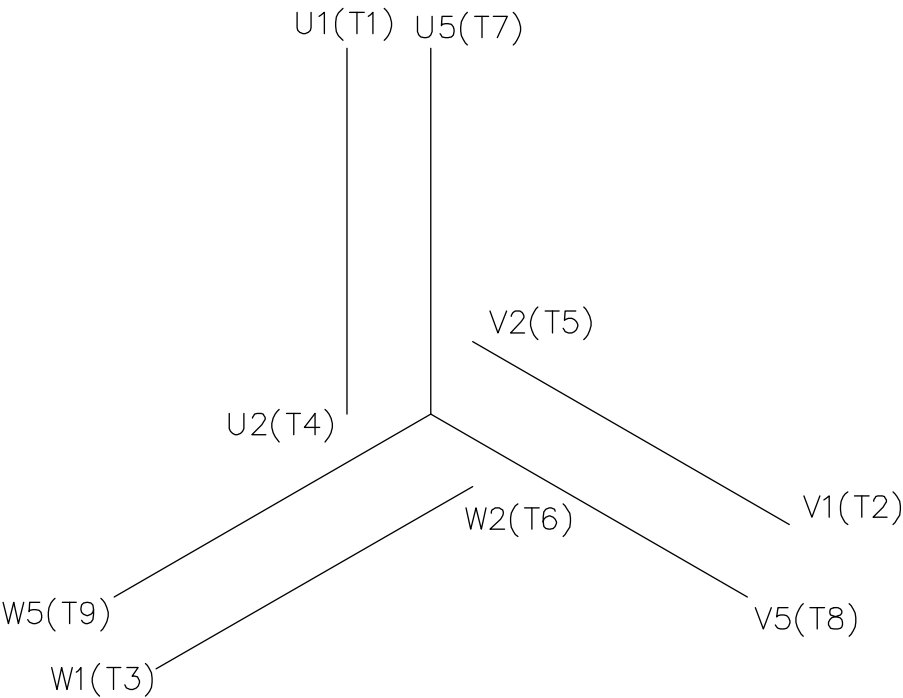
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	2.42 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	16.34 in
Shaft Diameter	1.125 in	Shaft Extension	2.36 in
Assembly/Box Mounting	F3		
Outline Drawing	SS622273	Connection Drawing	005465.01

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

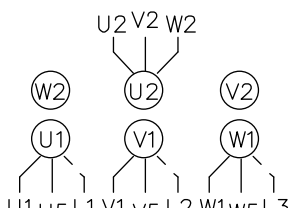
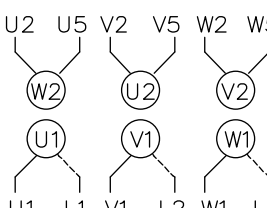
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					TOLERANCES UNLESS SPECIFIED	 REGAL-BELOIT CORPORATION	DRAWN HLB 12-10-2010				
				DEC.	METRIC		CHK DJK 12-17-2010				
				.X	±2.5		APPD SB 12-18-2010				
				.XX	±.76		SCALE 1=18				
				.XXX	±.127		REF				
				.XXXX	±.0127		FMF HEBEI				
NO.	REVISION	BY & DATE	CHK	ANG	±7°30"	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	12-21-2010	CAD FILE SS622273	SIZE B	DRAWING NO. SS622273	PAGE	OF	REV.
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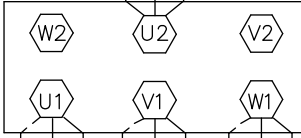
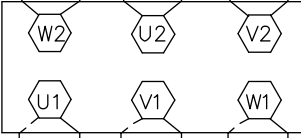



REF. DECAL (IEC) 080644
REF. DECAL (NEMA) 080446

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		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH THERMAL TRANSFER		PREV		
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			DIST				A	005465–01		01



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005465.01

CATALOG #: 193362.60

OUTLINE: B-SS622273

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

FULL LOAD EFF:	89.5&88.5	3/4 LOAD EFF:	90.2	1/2 LOAD EFF:	89.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	81.5&78	3/4 LOAD PF:	76.5	1/2 LOAD PF:	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
FT-FLANGE-130	STANDARD	RIGID	HORIZONTAL	FALSE	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	NONE	CAST IRON
6206	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	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 NO BRAKE Hz

Data Sheet

Date: 1/31/2018

193362.60



Data @ 460 V

Motor Load Data

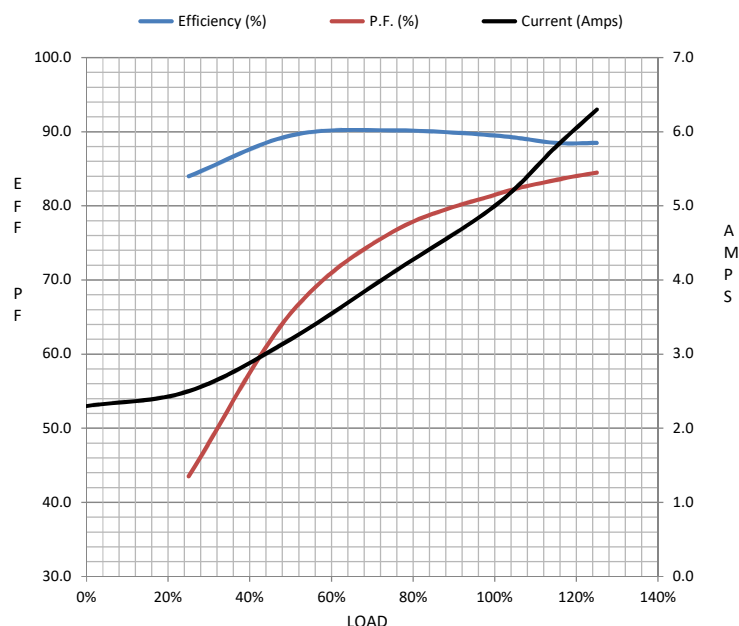
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.30	2.50	3.2	4.1	5.0	5.8	6.3	40.0	
Torque (ft-lb)	0.00	2.90	5.9	8.9	11.9	13.8	15.0	26.2	
RPM	1800	1790	1780	1770	1760	1.750	1750	0	
Efficiency (%)		84.0	89.5	90.2	89.5	88.5	88.5		
P.F. (%)	6.0	43.5	65.5	76.5	81.5	83.5	84.5	41.5	

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-SS622273			
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

