PRODUCT INFORMATION PACKET

Model No: 193301.60 Catalog No: 193301.60 LEESON® PASSPORT 3 HP General Purpose, 3 phase, 1800 RPM, 230/460 V, 100L Frame, TEFC



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LEESON

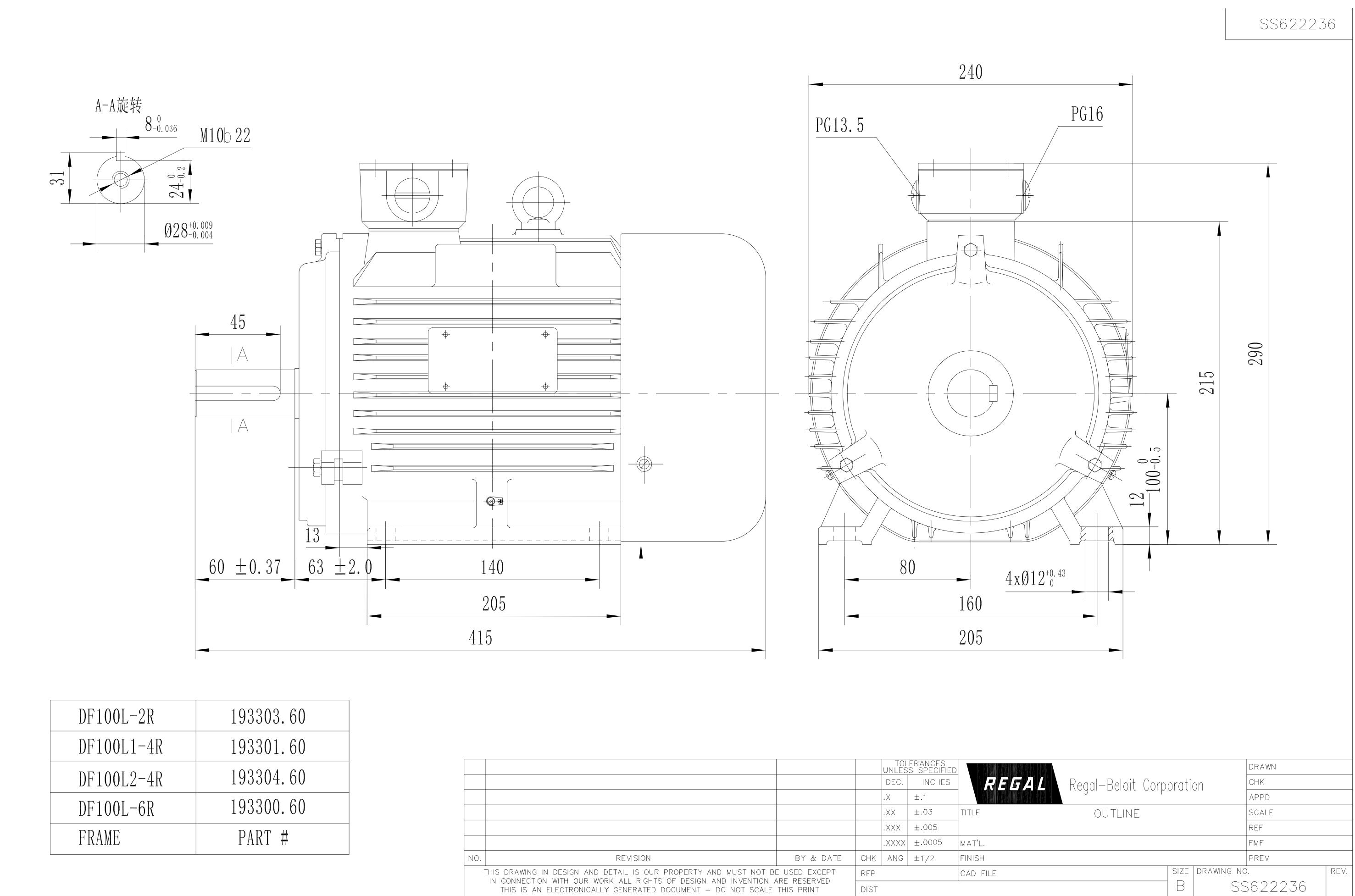
Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 200/400 V
Speed	1770 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	100L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	90.2 & 89.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8/4 & 6.6/3.3 A	Power Factor	79.2
Duty	Continuous	Insulation Class	F
Design Code	В	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	4	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	16.33 in	Shaft Diameter	1.125 in
Shaft Extension	2.36 in	Assembly/Box Mounting	F3
Outline Drawing	SS622236	Connection Drawing	005465.01

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DF100L-2R	193303.60
DF100L1-4R	193301.60
DF100L2-4R	193304.60
DF100L-6R	193300.60
FRAME	PART #

.XXX ±.005	
Image: Second state .X ±.1 Image: Second state .XX ±.03 TIT Image: Second state .XXX ±.005 TIT	
.XX ±.03 TIT .XXX ±.005	
.XXX ±.005	
	ITLE
.XXXX ±.0005 MA	IAT'L.
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													005	5465-	01
											IEC N	IARK	INGS	х)	
									LOW	VOLTA	AGE		HIGH	VOLTAG	Ē
	U1(T1) U5(T7)								U2	2V2 ₩2		U2	U5 V:	2 V5 W2	2 W5
									W2)		(V2)				2
									(U1) ()) (U1 _{U5} L1V1	(V1)) (_{V5} L2 W	(W1) 1 V1W5L3	U1	U1)) (L1 V	\sim (W1 1 L3
									LINE VOLTAGE	L1	L2	L3		JOIN	
	V2(T5)								TERMINAL	U1	V1	W1	W2	U2	V2
								_	LOW	U1,U5	V1,V5	W1,W5		U2,V2,W2	
	U2(T4)							-	HIGH	U1	V1	W1	U2,U5	V2,V5	W2,W5
			\	(`					Ì	NEMA	A MA	RKIN	GS	
	W2(T6)	<.		(T2))				LOW	VOLTA	AGE		HIGH	VOLTAGI	Ξ
										T4 T5 T6		T4	T7 T5 	T8 T6	5 T9 I
	W5(T9)		V5(T8	3)					(W2)	U2	V2	$\mathbb{Z}^{\mathbb{Z}}$		U2	V2
	W1(T3)									V1 1 12 T8 T2	W1 L3 T9 T		1) (1) (<u>w</u> 1 3 T3
	REF. DECAL (IEC) 080644								LINE VOLTAGE	L1	L2	L3		JOIN	
	REF. DECAL (NEMA) 080446								TERMINAL	U1	V1	W1	W2	U2	V2
									LOW	T1, T7	T2, T8	ТЗ, Т9		T4, T5, T6	
					1		1		HIGH	T1	T2	T3	T4, T7	T5, T8	т6, т9
						ERANCES S SPECIFIED				ELECTR				N MGM 12	2/3/02
					DEC. .X	INCHES		ES			MOTOR DRIVE		CHK APPD		
					.x .xx	±.01	TITLE	FYTFF	RNAL WIR			5	SCALE	E 1=	-1
					.xxx	±.005	3 PHASE					M BLOC		005377	
01	NEMA LV CONNECTION WAS INCORRECT	RLW	8/4/03		.xxxx	±.0005	MAT'L.		IEC/NEMA		,		FMF		
NO.	REVISION	BY	& DATE	снк	ANG	±1/2	FINISH		ERMAL TRA				PREV		
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Da	ate: 2/1/	2018		Data S	meet	_		193301.60	
				LE E	SON				
				Moto	r Load Data	®		Data	a@ 460 V
oad	0%	25%	50%	75%	100%	115%	125%	LR	
urrent (Amps)	2.00	2.10	2.60	3.2	3.9	4.3	4.7	29.4	
rque (ft-lb)	0.00	2.20	4.4	6.7	8.9	10.3	11.2	19.5	
PM	1800	1795	1785	1775	1770	1,765	1760	0	
ficiency (%)		81.5	88.5	89.5	89.5	90.2	89.5		
F. (%)	7.5	40.5	62.0	73.5	79.5	82.5	83.0	36.0	
		Motor Speed E	Data						
	LR	Pull-Up	BD	Rated	ldle				
eed (RPM)	0	375	1575	1770	1800			Information Block	
irrent (Amps)	29.4	26.0	18.3	3.9	2.00	HP		3.0	
rque (ft-lb)	19.5	15.0	32.7	8.9	0.00	Sync. RPM		1800	
						Frame		182	
_	Efficiency (%)	— P.F. (%)	— (Current (Amps)		Enclosure		TEFC	
100.0					5.0	Construction		TFC	
						Voltage		230/460#200/400	V
					4.5	Frequency		60	Hz
90.0						Design		В	
					4.0	LR Code letter		J	
						Service Factor		1.15	
80.0					3.5	Temp Rise @		28	°C
					A	Duty		CONT	
					3.0 P	Ambient		40	°C
70.0					S P	Elevation		1,000	feet
					2.5	Rotor/Shaft wk	2	0.34	Lb-Ft ²
co.o.						Ref Wdg		T08704010 NONE	
60.0					2.0	Sound Pressur	e @ 1M	999	dBA
50.0					1.5	VFD Rating		CONSTANT 1	0:1
					1.0	Outline Dwg		B-SS6	
					1.0	Conn. Diag		00546	55.01
40.0					0.5	Additional Spe	cifications:		
					0.5	0			
					0.0	0			
30.0							FOU	IV CKT (OHMS / PHASE)	
30.0 0%	20% 40%	60% 80%	6 100%	120% 1	40%	R1		IV CKT (OHMS / PHASE)	X2 X
	20% 40%	60% 809 LOAD	6 100%		140%	R1 0.0000	EQU R2 0.0000	IV CKT (OHMS / PHASE) X1 0.0000	X2 X 0.0000 0.0
	20% 40%					0.0000	R2	X1	
35.0	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0
0% 35.0 30.0 25.0	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0
0% 35.0 30.0 25.0	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0
0% 35.0 30.0 25.0 T 0 20.0	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A M
0% 35.0 30.0 25.0	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A M P
0% 35.0 30.0 25.0 T 20.0 R Q U 15.0	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A M
0% 35.0 30.0 25.0 T 20.0 R Q	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A P S
0% 35.0 30.0 25.0 T 20.0 R Q U 15.0	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A P S
0% 35.0 30.0 25.0 T 20.0 R Q U 15.0	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A P S
0% 35.0 30.0 25.0 T 20.0 R Q U 15.0 E	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A M P 15.0
0% 35.0 30.0 25.0 T 20.0 R Q U 15.0 E				Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A M P 15.0
0% 35.0 30.0 25.0 T 0 20.0 R Q U 15.0 E 10.0	20% 40%			Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A P 15.0 10.0
0% 35.0 30.0 25.0 T 20.0 R Q U 15.0 E				Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A M P 15.0
0% 35.0 30.0 25.0 T 0 20.0 R Q U 15.0 E 10.0				Speed -	140%	0.0000 urve	R2	X1	35.0 30.0 25.0 20.0 A P 15.0 10.0
0% 35.0 30.0 25.0 T 20.0 R Q U 15.0 E 10.0 5.0				Speed -	140%	0.0000 urve	R2	X1	0.0000 0.0 35.0 30.0 25.0 20.0 A M P S 15.0 5.0
0% 35.0 30.0 25.0 T 0 20.0 R Q U 15.0 E 10.0	20% 40%			Speed -	140%	0.0000	R2 0.0000	X1	35.0 30.0 25.0 20.0 A P 15.0 10.0