

PRODUCT INFORMATION PACKET



Model No: 193303.60

Catalog No: 193303.60

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



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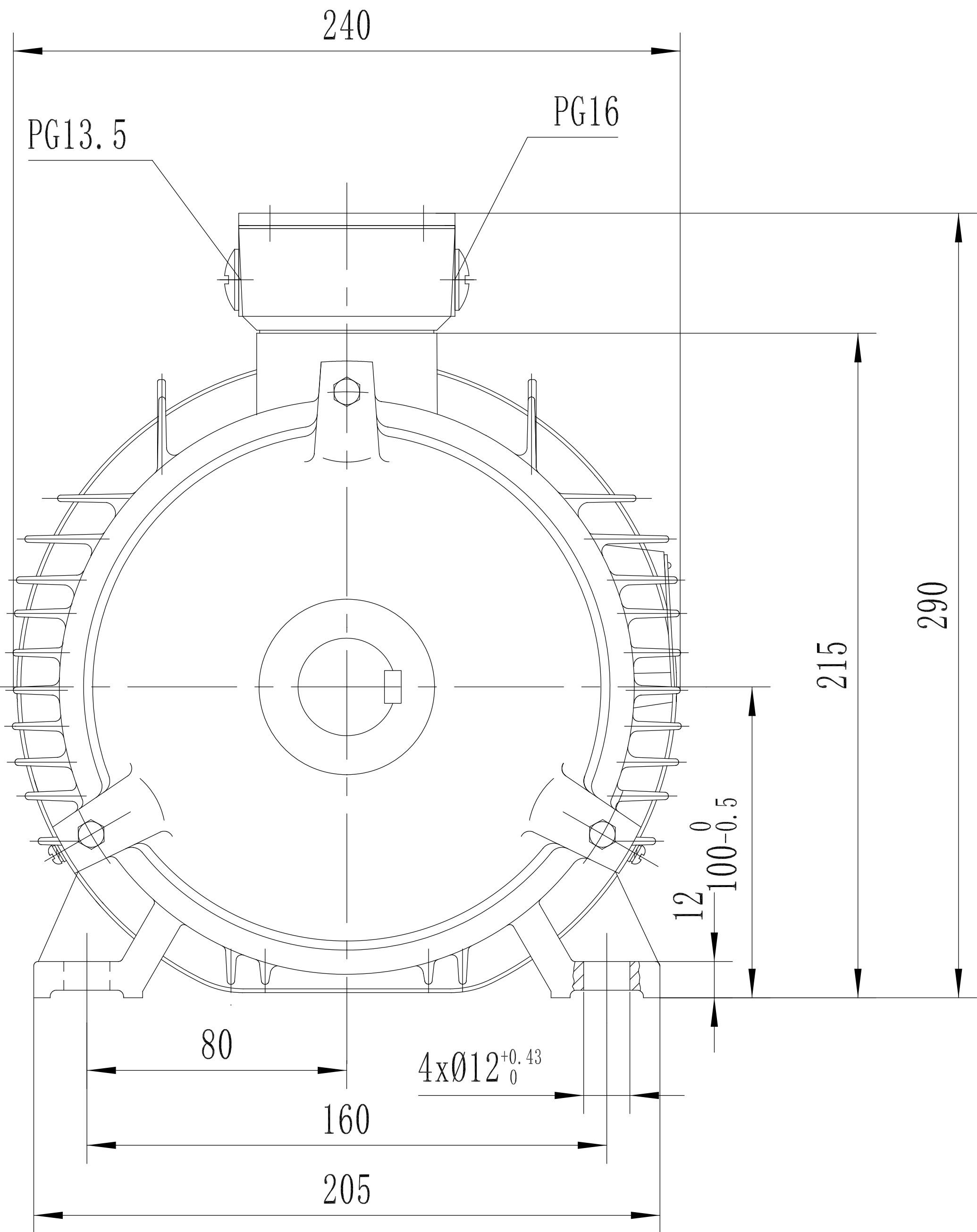
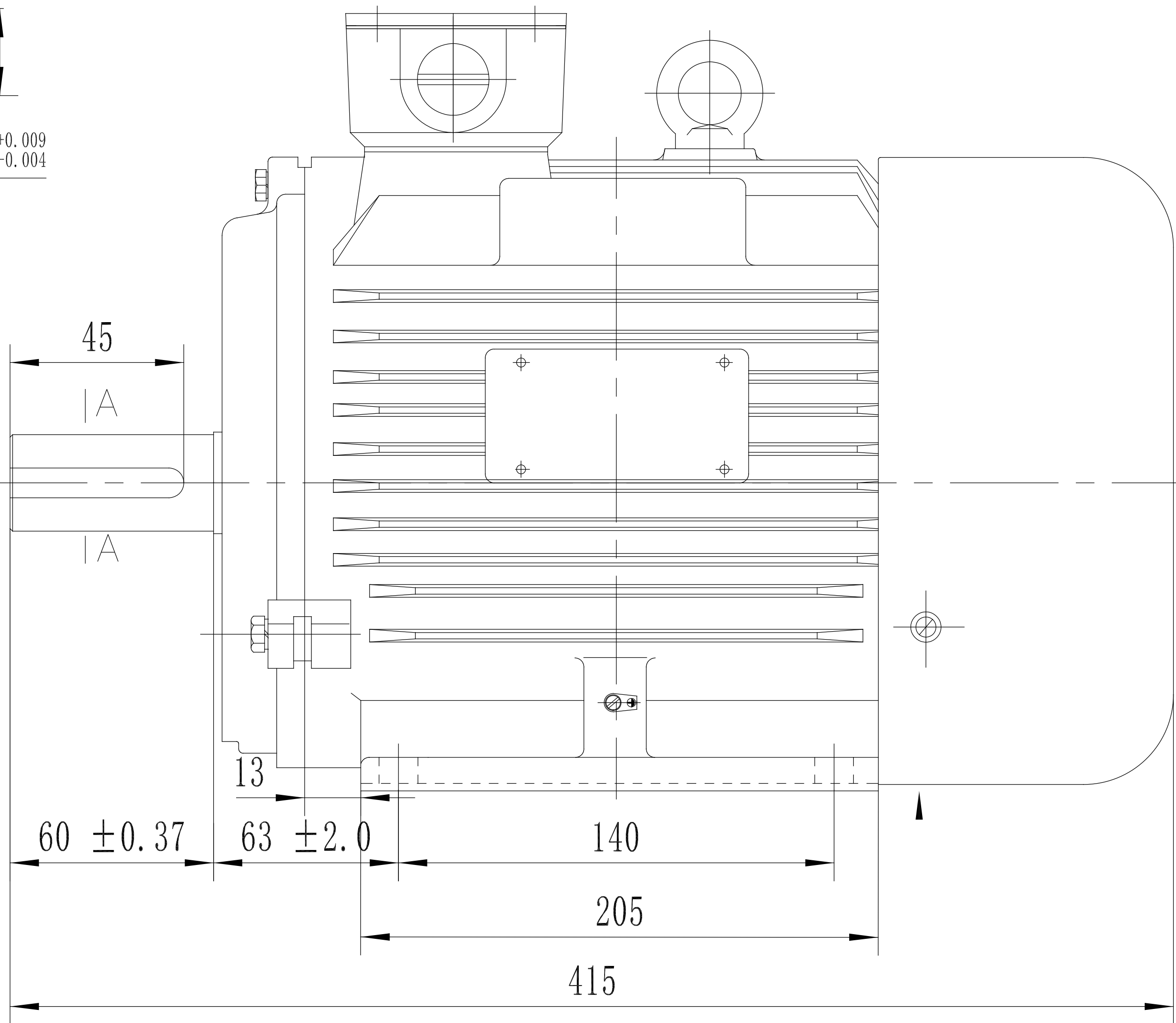
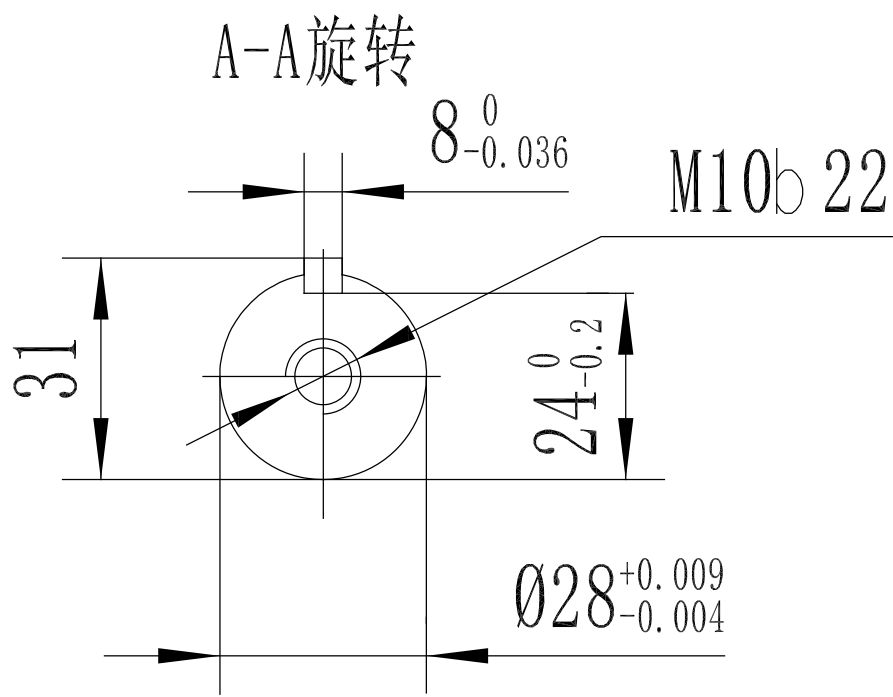
Nameplate Specifications

Phase	3	Output HP	4 & 3 Hp
Output KW	3.0 & 2.2 kW	Voltage	230/460 & 200/400 V
Speed	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

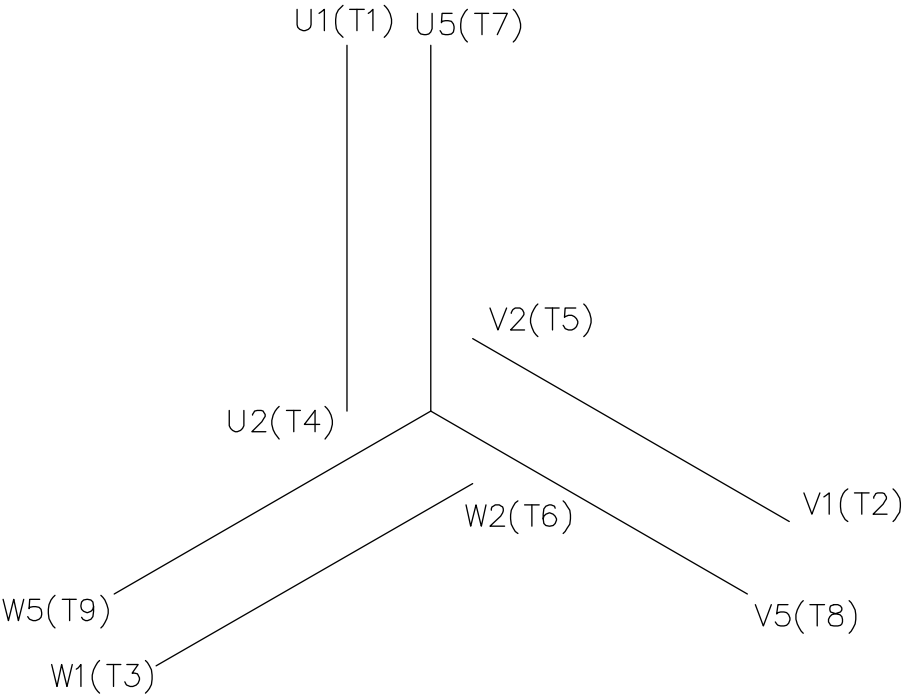
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	3.865 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	16.33 in
Shaft Diameter	1.125 in	Shaft Extension	2.36 in
Assembly/Box Mounting	F3		
Connection Drawing	005465.01	Outline Drawing	SS622236

SS622236



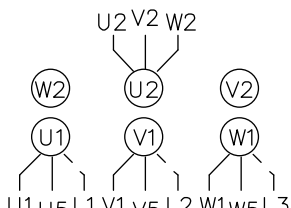
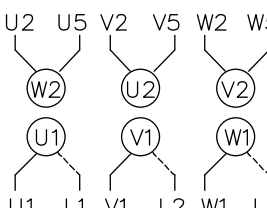
DF100L-2R	193303.60
DF100L1-4R	193301.60
DF100L2-4R	193304.60
DF100L-6R	193300.60
FRAME	PART #

				TOLERANCES UNLESS SPECIFIED		<div> Regal-Beloit Corporation</div>			DRAWN		
				DEC.	INCHES				CHK		
				.X	±.1				APPD		
				.XX	±.03	TITLEOUTLINE			SCALE		
				.XXX	±.005				REF		
				.XXXX	±.0005	MAT'L.FINISH			FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2				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			SIZE	DRAWING NO.	REV.
			DIST						B	SS622236	

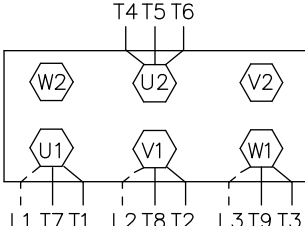
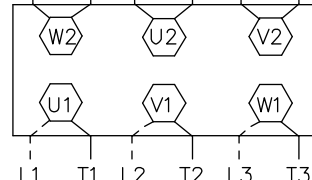


REF. DECAL (IEC) 080644
REF. DECAL (NEMA) 080446

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

Data Sheet

Date: 1/30/2018

193303.60



Data @ 460 V

Motor Load Data

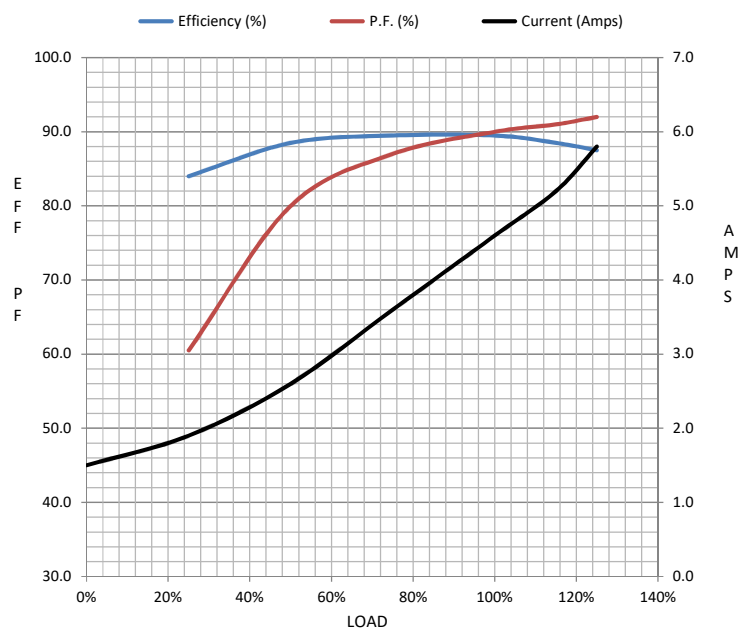
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.50	1.90	2.60	3.6	4.6	5.2	5.8	38.0	
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.9	7.5	12.0	
RPM	3600	3580	3565	3545	3520	3,510	3500	0	
Efficiency (%)		84.0	88.5	89.5	89.5	88.5	87.5		
P.F. (%)	9.5	60.5	80.0	87.0	90.0	91.0	92.0	52.0	

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	SS622236			
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

