PRODUCT INFORMATION PACKET

Model No: 193381.60
Catalog No: 193381.60
4 HP General Purpose, 3 phase, 1800 RPM, 575 V, 100L Frame, TEFC
Cast Iron Motors

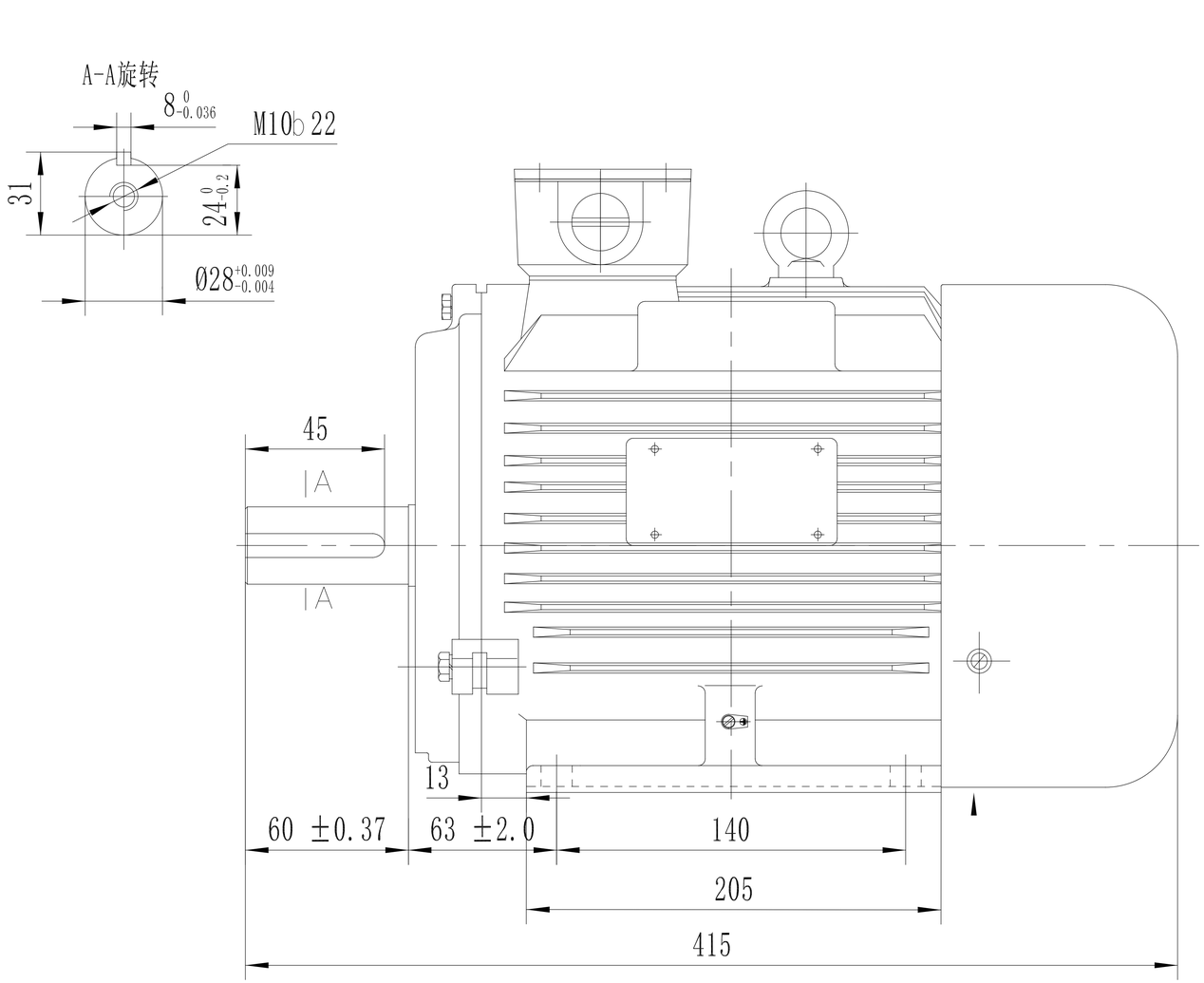
Nameplate Specifications

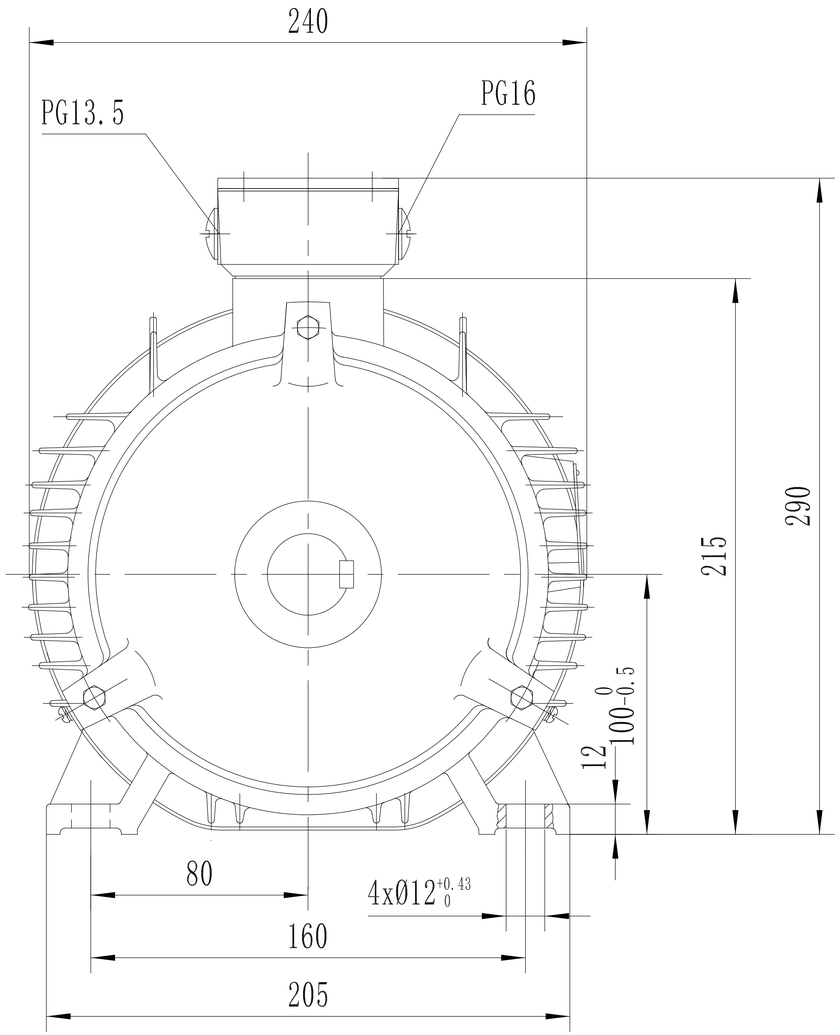
Output HP	4 Hp	Output KW	3.0 kW
Frequency	60 Hz	Voltage	575 V
Current	4.0 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Frame	100L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
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
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	16.33 in
Shaft Diameter	1.125 in	Shaft Extension	2.36 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 10:1
Connection Drawing	00510209	Outline Drawing	SS622236

SS622236





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

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2

REGAL Regal-Beloit Corporation

TITLE: OUTLINE

MAT'L.

FINISH

DRAWN | CHK | APPD | SCALE | REF | FMF | PREV

RFP

DIST

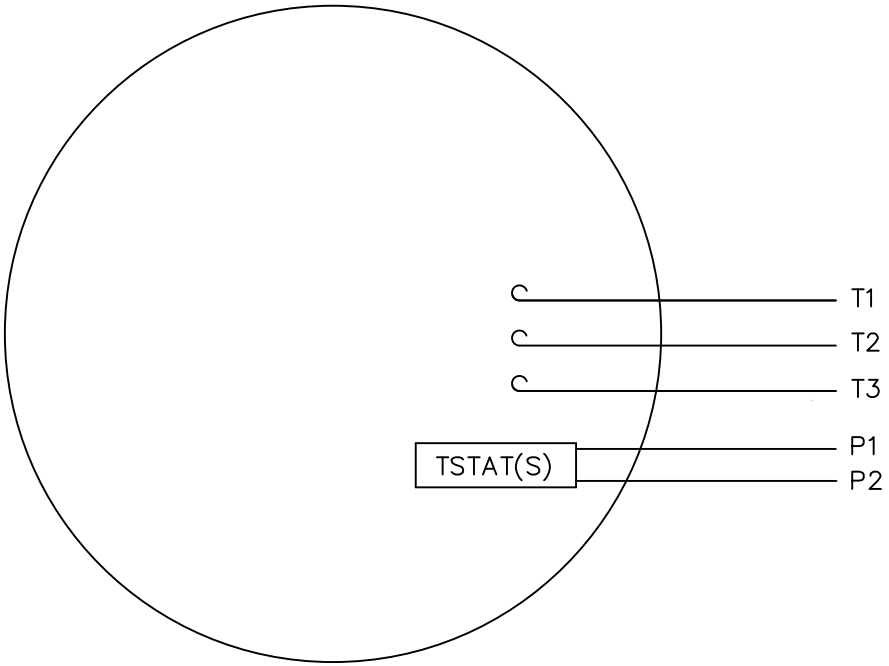
CAD FILE

SIZE: B

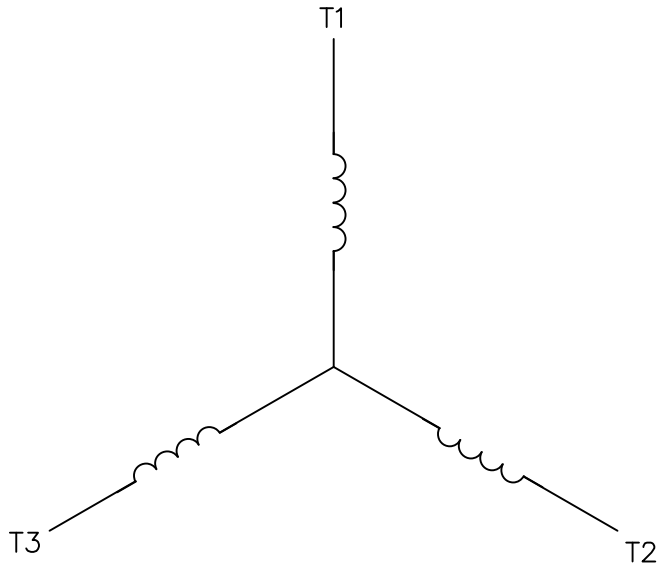
DRAWING NO.: SS622236

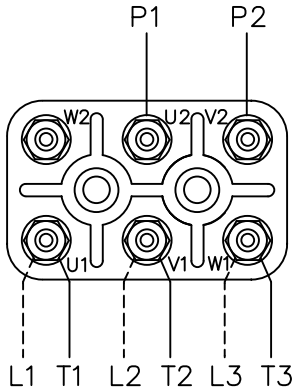
REV.

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS





				TOLERANCES UNLESS SPECIFIED				
				DEC.	INCHES			
				.X	±.1			
				.XX	±.01	TITLE	EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR	SCALE 1=1
				.XXX	±.005			REF 005102-05
01	ADDED TSTAT CONNECTIONS	MN 9/28/98		.XXXX	±.0005	MAT'L.	SINGLE VOLTAGE W/TERMINAL BLOCK	FMF 121311
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	DECAL 080661	PREV

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

DRAWN TMZ 02/21/97
CHK KH 02/24/97
APPD ARV 02/27/97

RFP
DIST
CAD FILE 00510209

SIZE	DRAWING NO. PAGE OF	REV.
A	005102-09	01

9/21/2011 10:50:11 AM

LEESON

CERTIFICATION DATA SHEET

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

CATALOG #: 193381.60

CONN. DIAGRAM: 00510209
OUTLINE: SS622236
WINDING #: T06804019 3

MOUNTING: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
4	2.98	1800	1760	100L	TEFC	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	4	LINE OR INVERTER	CONTINUOUS	F5	1.15	40

FULL LOAD EFF:	89.5	3/4 LOAD EFF:	90.2	1/2 LOAD EFF:	89.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	83	3/4 LOAD PF:	78	1/2 LOAD PF:	68	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	34	28.2 LB-FT 237 %	40 LB-FT 336 %	55

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
STANDARD	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	AISI 1045 (C-240)	CAST IRON
6206	6205						

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

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

NOTES

*

*

Data Sheet

Date: 1/23/2018

193381.60

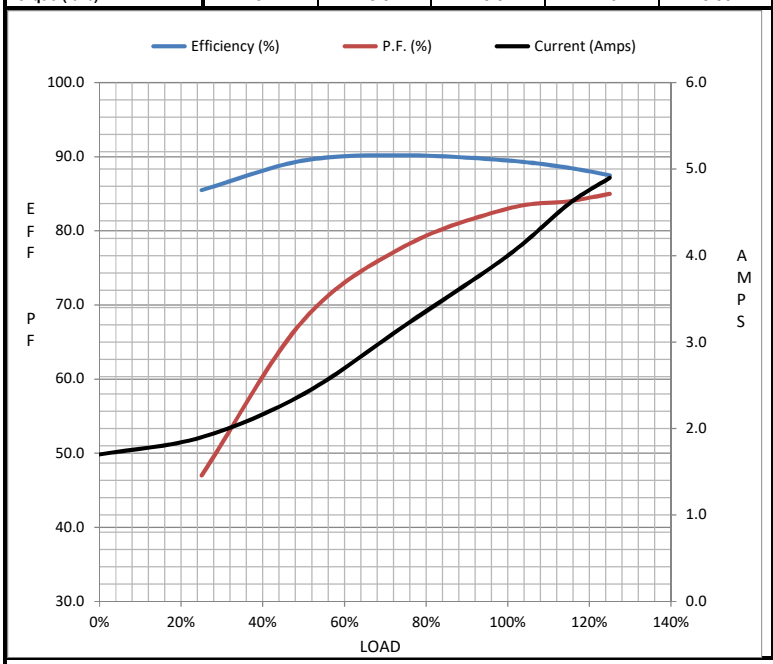
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.70	1.90	2.40	3.2	4.0	4.6	4.9	34.0	
Torque (ft-lb)	0.00	2.90	5.9	8.9	11.9	13.8	15.0	28.2	
RPM	1800	1790	1780	1770	1760	1,750	1750	0	
Efficiency (%)		85.5	89.5	90.2	89.5	88.5	87.5		
P.F. (%)	6.5	47.0	68.0	78.0	83.0	84.0	85.0	41.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1550	1760	1800
Current (Amps)	34.0	30.0	22.5	4.0	1.70
Torque (ft-lb)	28.2	25.0	40.0	11.9	0.00



Information Block

HP	4.0	
Sync. RPM	1800	
Frame	100	
Enclosure	TEFC	
Construction	TFC	
Voltage	575	V
Frequency	60	Hz
Design	B	
LR Code letter	K	
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	T06804019 NONE	
Sound Pressure @ 1M	55	dBA
VFD Rating	CONSTANT 10:1	
Outline Dwg	SS622236	
Conn. Diag	00510209	

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