PRODUCT INFORMATION PACKET

Model No: 985.617C
Catalog No: M1125038.00
...58:1.31RPM.220LBIN.1/8HP.30...DC GEARMOTORS SUB-FHP.180V..TENV.985.617C
P300 Series

Nameplate Specifications

Output HP	**0.13 Hp**	Output KW	**0.10 kW**
Voltage	**180 V**	Current	**0.66 A**
Speed	**31 rpm**	Service Factor	**1**
Efficiency	**60.4 %**	Duty	**Continuous**
Insulation Class	**F**	Frame	**30**
Enclosure	**Totally Enclosed Non Ventilated**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**040.046**
Opp Drive End Bearing Size	**040.046**	UL	**Recognized**
CSA	**Y**	CE	**Y**

Technical Specifications

Rotation	**Reversible**	Mounting	**Special**
Shaft Type	**Parallel**	Overall Length	**11.45 in**
Frame Length	**4.91 in**	Shaft Diameter	**0.625 in**
Shaft Extension	**1.5 in**		
Outline Drawing	**M1030961-M1125038**	Connection Diagram	**M100530201**

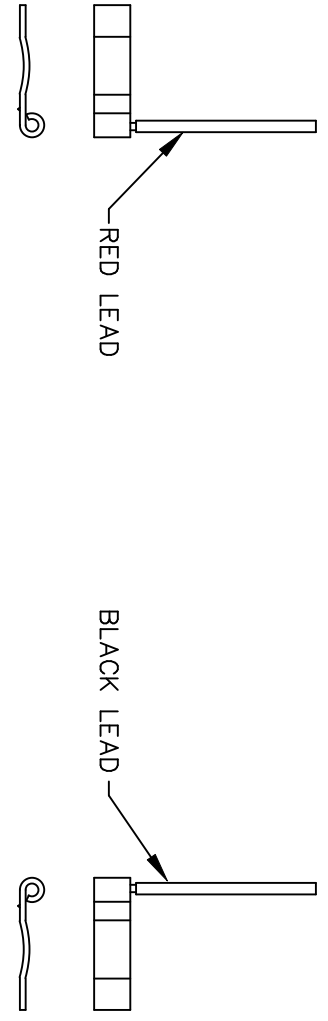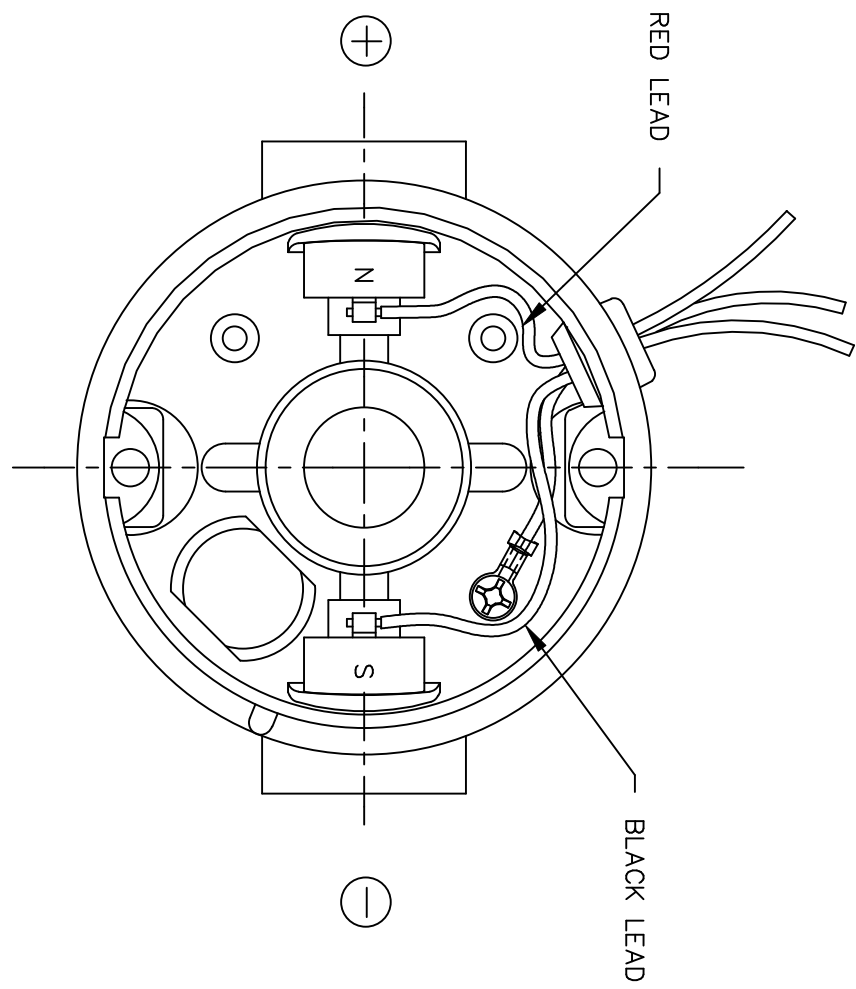**This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 10/15/2018**

M1030961

4.08 REF
3.375 REF
3.000 REF
1.50
1.687
6.26±.03
3.375
.672
3.000 REF
3.125±.010
3.500
4.75
5.13
ø1.40 REF
(4) ø.290
.187 SQ. KEY X 1.00 LONG
ø.281 TYP
1.125
2.250
(3) 1/4-20 UNC-2B .50 DP
2.00
4.00
(8) ø.230 x .44 DP

11.45 REF
1.50
3.54 REF
6.420±.035
.66
1.657
.200 REF
3.13
CONDUIT BOX (OPTIONAL)
(3) LEADS 12.00" LONG MIN.
1.90 REF
ø.625 ø.624
TOP
ø3.00
NAMEPLATE
1.450
1.500
.37 REF

3.39 REF
BRUSH HOLDERS
LOCKJOINT LOCATION
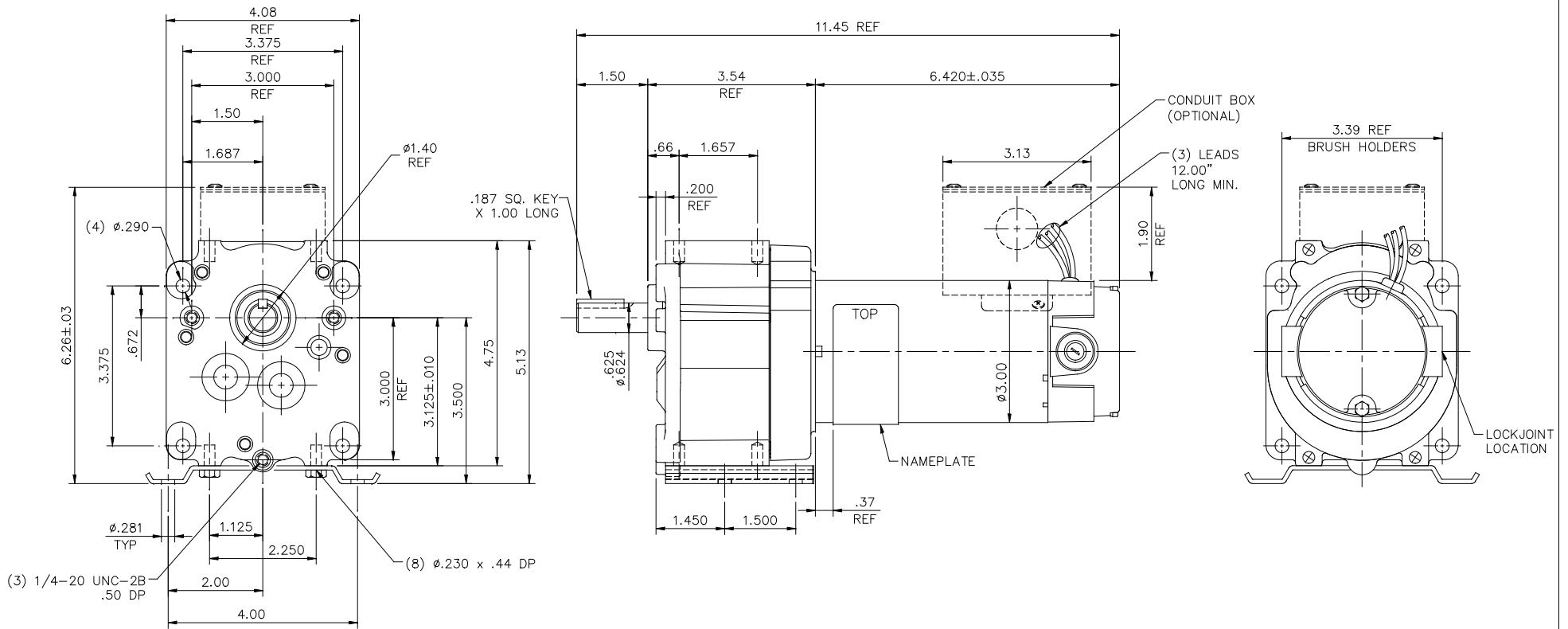
CATALOG No.	VOLTS	HP	RATIO	TORQUE IN-LB	RPM
M1125072.00	90	1/8	29:1	113	61
M1125069.00	90	1/8	76:1	280	24
M1125070.00	90	1/8	58:1	220	31
M1125073.00	90	1/8	19:1	77	94
M1125039.00	180	1/8	35:1	130	51
M1125071.00	90	1/8	35:1	130	51
M1125074.00	90	1/8	11:1	43	167
M1125038.00	180	1/8	58:1	220	31
M1125040.00	180	1/8	19:1	77	94
M1125041.00	180	1/8	10:1	43	170

	ITEM No.	ITEM REV
	-00	0

TOLERANCES UNLESS SPECIFIED

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

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

DRAWN	RWS	3/18/05	
CHK	RPB	3/18/05	
APPD			

TITLE OUTLINE 30 FRAME DC- P300 GEARBOX

SCALE	1=2
REF	M1030940.00
MAT'L.	
FMF	M1125074.00
FINISH	
PREV	

D	UPDATED 1.40 HUB DIM TO MATCH GBOX, ECO-0128172	IPG	7/26/17
00	RELEASED COMM CONSOLIDATION PROJECT	RWS	4/20/05	RPB
NO.	REVISION	BY & DATE	CHK

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RFP		CAD FILE	M1030961	SIZE	DRAWING NO.	REV.
DIST				B	M1030961	D

RED LEAD

RED LEAD

BLACK LEAD

N

S

RED LEAD

BLACK LEAD

EXTERNAL CONNECTIONS FOR CW ROTATION VIEWING LEAD END OF MOTOR WITH RED LEAD POSITIVE (+) AND BLACK LEAD NEGATIVE (−) FOR CCW ROTATION REVERSE POLARITY

D.C. MOTORS

			TOLERANCES UNLESS SPECIFIED		**LEESON** ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN RWS 3/15/05	
			DEC.	INCHES			CHK RPB 3/15/05	
			.X	±.1			APPD	
			.XX	±.01	TITLE	CONNECTION DIAGRAM	SCALE 1=1	
			.XXX	±.005			REF 901.706	
00	RELEASED COMM CONVERSION PROJECT	RWS 4/13/05	RPB .XXXX	±.0005	MAT'L.		FMF	
NO.	REVISION	BY & DATE	CHK ANG	±1/2°	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		CAD FILE M100530201		SIZE A	DRAWING NO. M1005302.01	REV. 00
			DIST					

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