

BALDOR® • RELIANCE

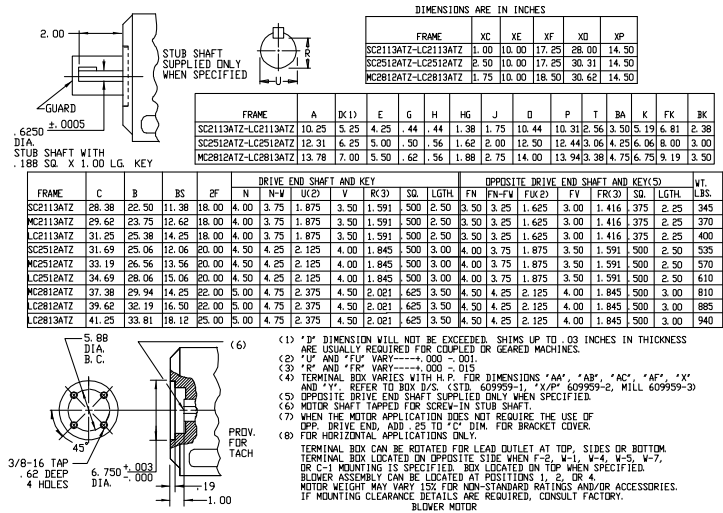
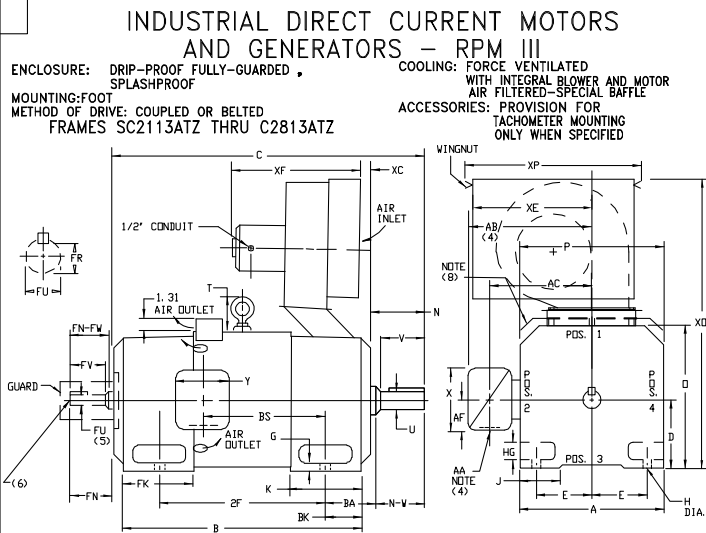
Product Information Packet

D5010RS-BV

10HP,1750RPM,DC,2113ATZ,DPG-FV,

Part Detail			
Type:	DC	Prod. Type:	TR
Power Code:	C	Weight:	345
Frame Group:	SC 2113ATZ	Mounting Pos.:	F1
HP:	10	Enclosure:	DPFV
RPM:	1750/2300	Wound:	STAB SHUNT
Service Factor:	1.0	Arm V:	500
Arm A:	18.00	Field V:	300
Field A:	1.11	Field A Hot:	.86/.59
Insulation Class:	F	Ambient:	40
Duty:	CONT	DE Bearing:	50BC03J30X
ODE Bearing:	45BC02J30X	Brushes:	419904-51E
Brush Qty.:			

609952-096

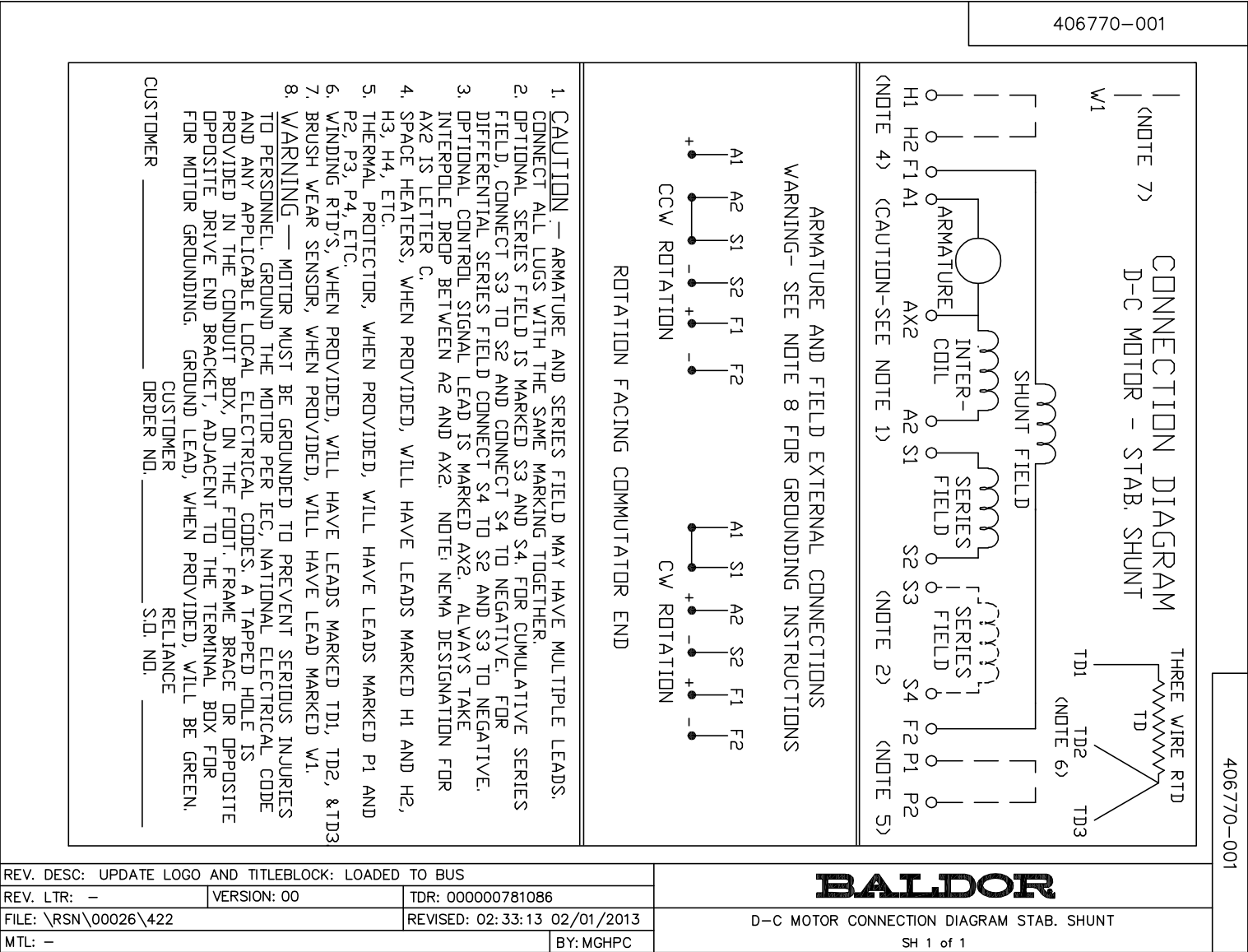


CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.			
REV. DESC: UPDATE FRAME SIZE			
REV. LTR: A	VERSION: 01	TDR: 000000845571	
FILE: \RGG\00015\585	REVISED: 10:46:47 03/25/2014	BY: RGGWT	
MTL: --			

BALDOR

DIMENSION DRAWING, SC2113ATZ - C2813ATZ, DPP, FOOT MTG.
SH 1 of 1

609952-096



REL S.O.

FRAME

SC213A1TZ

RATING

10.0HP

BASE SPEED

1750

WINDING TYPE

STAB SHUNT

S.F.

ENCL.

1.0

DPG

AMB/C/INSUL

40/F

DUTY

CONT

POWER CODE/FORM

C

FACTOR

TYPE

TR

WK²(LB-FT²)

2.329

COOLING AIR(CFM/IN H₂O)

1.441

R (hot)

.105

T_e

.0110

T_m

.0465

BASIC RPM

2300

MAX CONT RPM

2500

WINDER RPM

-

MAX. SAFE

4500

-/-

WINDING

VOLTS

500

RESISTANCE

25°C

1.99

HOT

2.56

25°C

-

HOT

18.0

INDUCTANCE

29.2

PER COIL

-

ARM CIRCUIT

-

.0247

.0324

-

18.0

-

2.00

SERIES S1-S2

300

269

347

1.11

.865

48.6

H

1625

SHUNT FL-F2

300

269

347

1.11

.865

48.6

H

1625

REMARKS: TYPICAL DATA

CURVES VALID FOR NAMEPLATE SPEED RANGE ONLY

BALDOR

DR. BY

J. MARTIN

CK. BY

REBLANCHER

APP. BY

T. EVON

DATE

02/04/85

D-C

APPLICATION

DATA

ISSUE DATE

06-29-94

SG6472A

RPM

EG

5200

4800

4400

4000

3600

3200

2800

2400

2000

1600

1200

800

400

0

0

40

80

120

160

200

240

280

320

360

400

440

480

520

0.0

0.1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

0.9

SHUNT FIELD AMPS

NL

FL

EG

RPM

REL S. O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS
	SC2113ATZ	10.0HP	1750	500	18.0
WINDING TYPE					
	S. F.	ENCL.	AMB °C/INSUL	DUTY	FIELD VOLTS
STAB. SHUNT	1.0	DPG	40/F	CONT	300
POWER CODE					
	TYPE	WK ² (LB-FT ²)	HOT ARM. CIR. RES.	FLD. AMPS@25 °C	HOT FIELD RES
C	TR	2.329	2.55	1.11	346
ARM. CIR. IND. (mh)					
	FIELD IND. (H)	COOLING AIR(CFM/IN H 20)		TURNS PER COIL SHUNT/SERIES	TEST DATE
29.1	48.5	-/-		1625/2	-
LOAD PERFORMANCE					
LOAD	AMPERES	TORQUE IN LB.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	1.1	0	0	1872	0
1/4	4.5	6.42	2.25	1840	66.1
2/4	9.0	14.7	5.06	1806	78.8
3/4	14	22.7	7.71	1781	81.7
4/4	18	30.4	10.2	1761	81.9
0.L.	27	44.5	14.7	1739	79.7
RPM VS. FIELD AMPS					
FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED	
.864	1872	1761	465	442	
.780	2009	1880	435	413	
.695	2179	2031	401	380	
.611	2406	2230	363	345	
.527	2719	2500	321	305	
REMARKS: TYPICAL DATA					
MAXIMUM SAFE SPEED = 4500 RPM					



DR. BY J. MARTIN
CK. BY R. ERLACHER
APP. BY T. EVON
DATE 02/04/86

D-C MOTOR PERFORMANCE DATA
D66472A
ISSUE DATE 06-29-94

