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BALDOR • RELIANCE

Product Information Packet

CDP3306

.25HP,1750RPM,DC,56C,3320P,TENV,F1

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Part Detail

Revision:	Y	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	DC	**Prod. Type:**	3320P	**Elec. Spec:**	33WGZ132	**CD Diagram:**	CD0194
Enclosure:	TENV	**Mfg Plant:**		**Mech. Spec:**	33-2051	**Layout:**	33LY2051
Frame:	56C	**Mounting:**	F1	**Poles:**	00	**Created Date:**	
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	11-05-2018
Field Type:		**Literature:**		**Elec. Diagram:**		**Replaced By:**	

Specs

Enclosure:	TENV		
Frame:	56C		
Frame Material:	Steel		
Agency Approvals:	CE		
	CSA		
	UR		
	WEEE		
Base Indicator:	Rigid		
Bearing Grease Type:	Polyrex EM (-20F +300F)		
Drip Cover:	No Drip Cover		
Duty Rating:	CONT		
Feedback Device:	NO FEEDBACK		
Heater Indicator:	No Heater		
Insulation Class:	F		
Lifting Lugs:	No Lifting Lugs		
Motor Lead Quantity/Wire Size:	2 @ 18 AWG		

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Motor Lead Exit:	Ko Box		
Motor Lead Termination:	Flying Leads		
Mounting Arrangement:	F1		
Product Family:	General Purpose		
Pulley End Bearing Type:	Sealed Bearing		
RoHS Status:	ROHS COMPLIANT		
Shaft Extension Location:	Pulley End		
Shaft Ground Indicator:	No Shaft Grounding		
Shaft Rotation:	Reversible		
Shaft Slinger Indicator:	No Slinger		
Motor Standards:	NEMA		

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Nameplate NP0891L

CAT.NO.	CDP3306		
SPEC.	33-2051Z132		
HP	.25	**ENCL**	TENV
RPM	1750		
FRAME	56C	**TYPE**	3320P
ARM V	180	**ARM A**	1.25
FLD V		**FLD A**	
INSUL	F	**AMB.**	40
DUTY	CONT	**SUPPLY**	1.3
BRG/DE	6203	**BRG/ODE**	6203
BRUSHES	2/BP5011CV01		
		BLANK	
SER.			
BLANK	IP44		
APRV-CE	Y	**APRV-CSA**	Y
APRV-UL	Y		

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Parts List

Part Number	Description	Quantity
SA005041	SA 33-2051Z132	1.000 EA
AA002690	AA 33-2051Z132	1.000 EA
BP5011CV01SP	CARBON BRUSH - 33P, 180V	1.000 EA
BP5012A04SP	BRUSH SPRING FOR DC MOTORS	1.000 EA
33CB5000A03	33P BOX & LEAD ASSY	1.000 EA
33GS1006A01	GASKET CONDUIT BOX (LEXIDE)	1.000 EA
51XT0832A08	8-32 X 1/2 TY23 HXWS SLDSR	3.000 EA
51XW0832G07	8-32 X 7/16 TY23 HXWS SLDSR GR	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
33EP3101A04	FR ENDPLATE, MACH	1.000 EA
33CB4501A01SP	BRUSH INSPECTION COVER	2.000 EA
33GS1005A01	GASKET, BRUSH INSP. COVERELECTRICLY NON-	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
33EP3302A10	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HA6887	SHAFT PROTECTOR STAMPED STEEL 20 GA.	1.000 EA
10XN2520A06	1/4 20X3/8 HX HD CAP	2.000 EA
34CB4512	34 CB LID, GALVANNEAL STAMPED	1.000 EA
34GS1001	GASKET, STD CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.013 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
33RK5004SP	ROCKERARM	1.000 EA
HA3100S01	THRUBOLT- 10-32 X 8.187 302 OR 303 SS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
NP0891L	NP STD LASER ENGRAVED DC MTRS, UL CSA CE	1.000 EA
27PA1001	PKG GRP, PRINT PK1027A06	1.000 EA

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Accessories		
Part Number	**Description**	**Multiplier**
TK3300	TACHO MOUNTING KIT TK3300	A8
TK3300-HPU	HPU10 MOUNTING KIT 33P/34P TENV	A8

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DC Motor Performance Data
Record # 2012 - Typical performance - not guaranteed values

Winding: 33WGZ132-R006	**Type:** 3320P	**Enclosure:** TENV

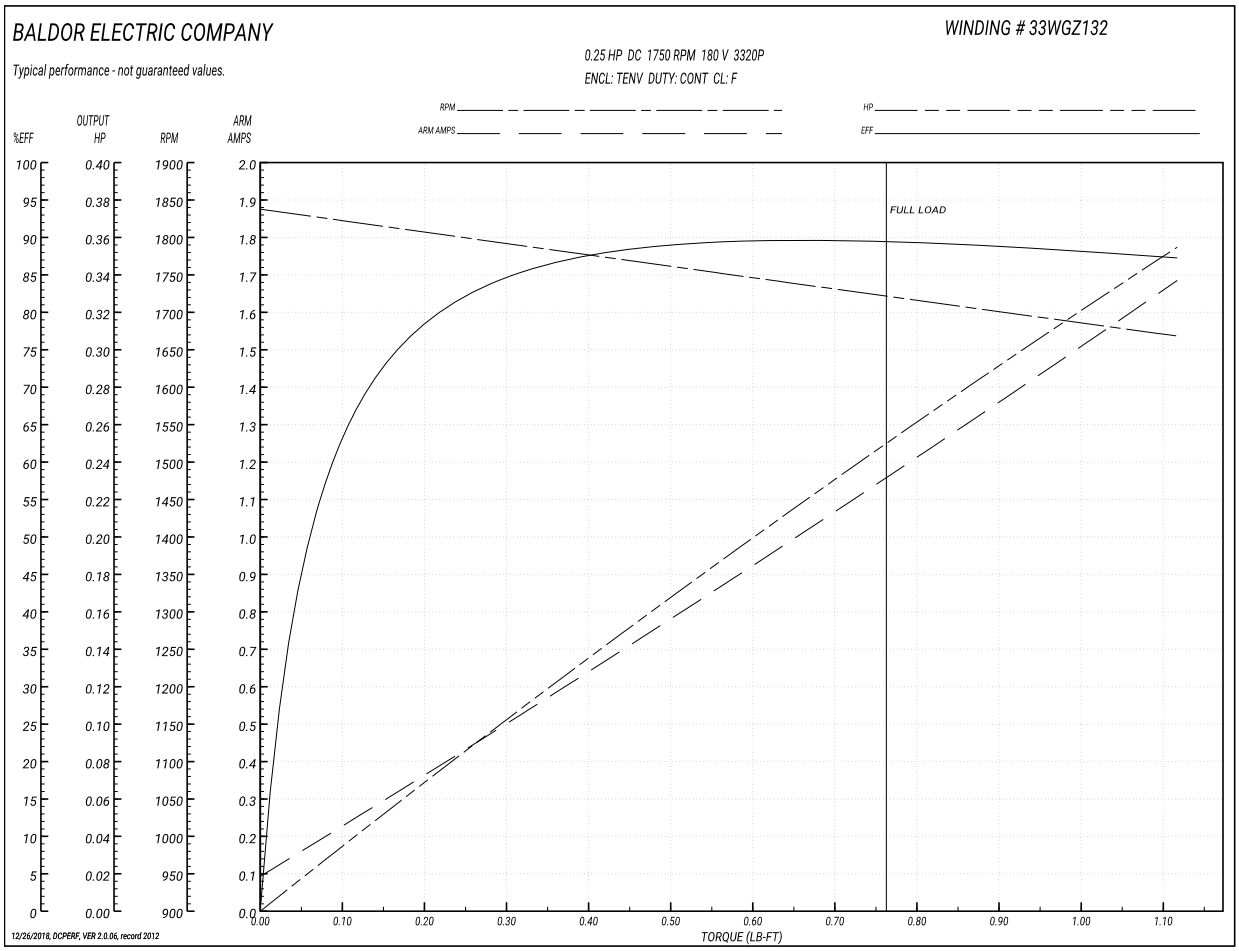
Nameplate Data			General Characteristics	
Rated Output (HP)	0.25		Armature Resistance	
R.P.M.	1750			
Armature Volts	180		Voltage Constant	98.01 v/krpm
Armature Amps	1.25			
Field Volts			Armature Inductance	60.59301 mH
Field Amps			Armature Inertia	
Rating - Duty	40C AMB-CONT			
Form Factor	1.3			

Load Characteristics at 180 Armature Volts

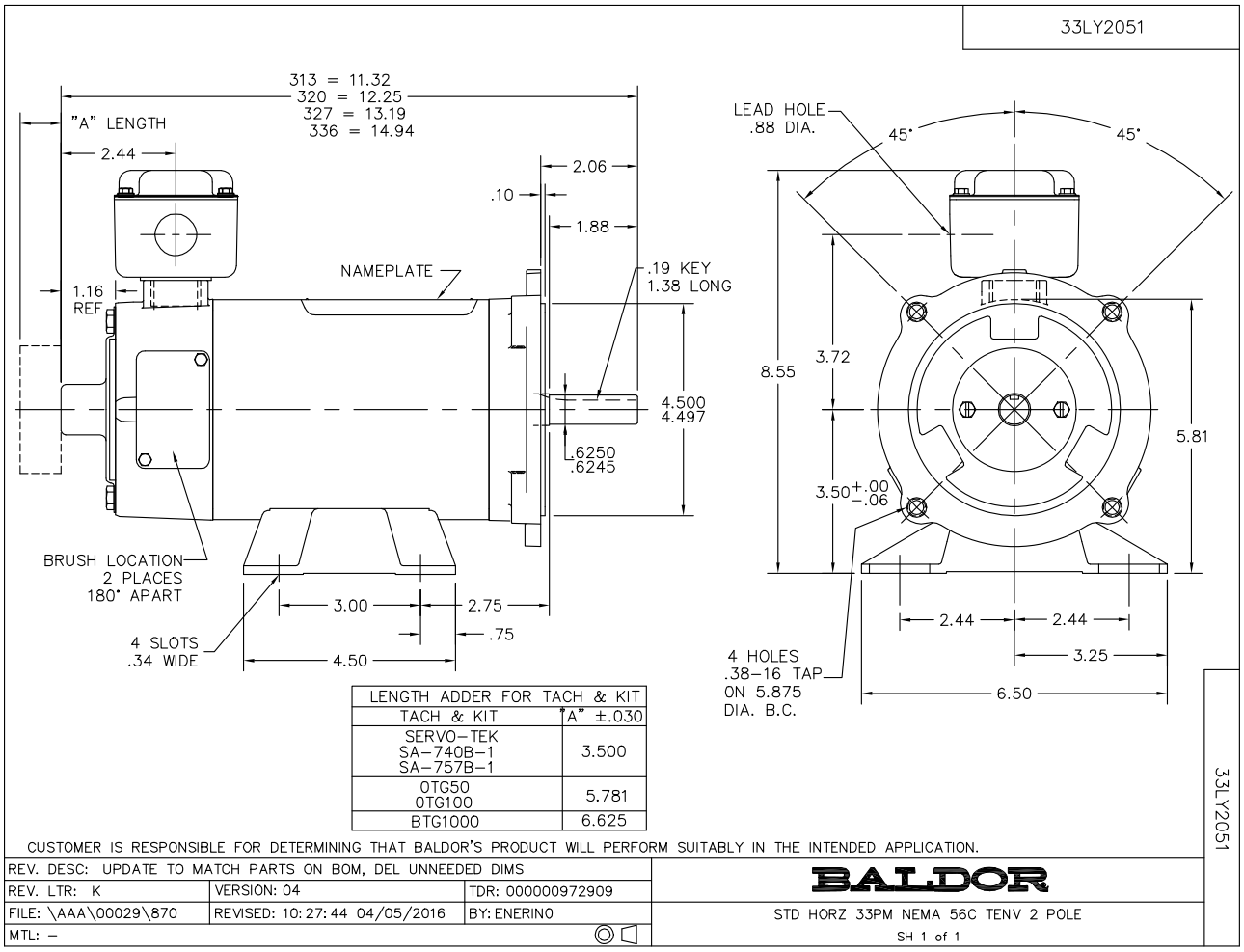
Load Point	1	2	3	4	5	6	7
Armature Amps	0.1	0.35	0.61	0.87	1.15	1.43	1.68
R.P.M.	1830	1821	1779	1750	1720	1690	1673
Torque (LB-FT)	0	0.193	0.387	0.559	0.752	0.945	1.117

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Performance Graph at 180.0 Arm V, 0.25HP Typical performance - Not guaranteed values



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LENGTH ADDER FOR TACH & KIT	
TACH & KIT	"A" ±.030
SERVO-TEK SA-740B-1 SA-757B-1	3.500
0TG50 0TG100	5.781
BTG1000	6.625

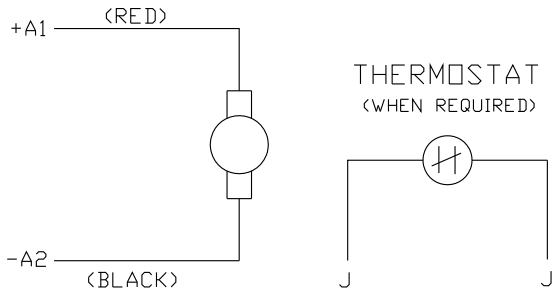
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE TO MATCH PARTS ON BOM, DEL UNNEEDED DIMS			BALDOR
REV. LTR: K	VERSION: 04	TDR: 000000972909	
FILE: \AAA\00029\870	REVISED: 10:27:44 04/05/2016	BY: ENERINO	STD HORZ 33PM NEMA 56C TENV 2 POLE
MTL: –			SH 1 of 1

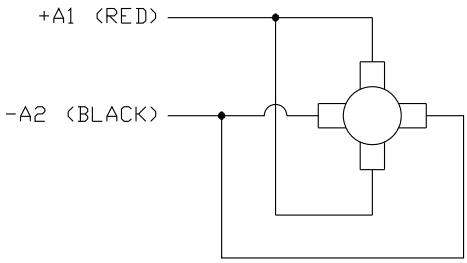
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CD0194

MOTOR



TACHOMETER



NOTES:

1. CCW ROTATION AS SHOWN FACING COMMUTATOR END. TO REVERSE MOTOR ROTATION OR TACHOMETER OUTPUT POLARITY INTERCHANGE LEADS A1(RED) & A2(BLACK)

2. LEAD COLORS FOR REFERENCE ONLY & NOT SPECIFIED BY THIS DRAWING. LEAD COLORS SPECIFIED BY LAYOUT DRAWING & BILL OF MATERIAL ONLY.

CD0194

MATL: –				BALDOR ELECTRIC Co.
REV: E	ADDED NOTE "LEAD COLORS FOR REFERENCE ONLY &...			
CD0194	SCALE: –	BY: CK	REVISED: 07/28/95	CD TYPE P DC PERMANENT MAGNET MOTORS AND TACHOMETERS
	FILE: AAA00004503		TDR: 0078737	

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