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TECHNOLOGY GROUP

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so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *ABB / Baldor / Reliance CDP3330* at our website: *Click HERE*

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BALDOR • RELIANCE

Product Information Packet

CDP3330

.5HP,1750RPM,DC,56C,3336P,TENV,F1

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Part Detail							
Revision:	V	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	DC	**Prod. Type:**		**Elec. Spec:**	33WGZ122	**CD Diagram:**	CD0194
Enclosure:	TENV	**Mfg Plant:**		**Mech. Spec:**	33-2024	**Layout:**	33LY2024
Frame:	56C	**Mounting:**	F1	**Poles:**	///	**Created Date:**	
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	05-27-2011
Field Type:		**Literature:**		**Elec. Diagram:**		**Replaced By:**	

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Nameplate NP0891L					
CAT.NO.	CDP3330				
SPEC.	33-2024Z122				
HP	.5	ENCL	TENV		
RPM	1750				
FRAME	56C	TYPE	3336P		
ARM V	90	ARM A	4.8		
FLD V		FLD A			
INSUL	F	AMB.	40		
DUTY	CONT	SUPPLY	1.3		
BRG/DE	6203	BRG/ODE	6203		
BRUSHES	2/BP5011T01				
		BLANK			
SER.					
BLANK					
APRV-CE	Y	APRV-CSA	Y	APRV-UL	Y

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Parts List

Part Number	Description	Quantity
SA005026	SA 33-2024Z122	1.000 EA
AA002675	AA 33-2024Z122	1.000 EA
BP5011T01SP	CARBON BRUSH - 33P, 90V	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
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	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
HW5100A03SP	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	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
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY	0.013 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
33RK5004SP	ROCKERARM	1.000 EA
HA3100S03	THRUBOLT- 10-32 X 10.625 302 OR 303 SS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
NP0891L	NP STD LASER ENGRAVED DC MTRS, UL CSA CE	1.000 EA
27PA1001	PACKAGING GROUP	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	

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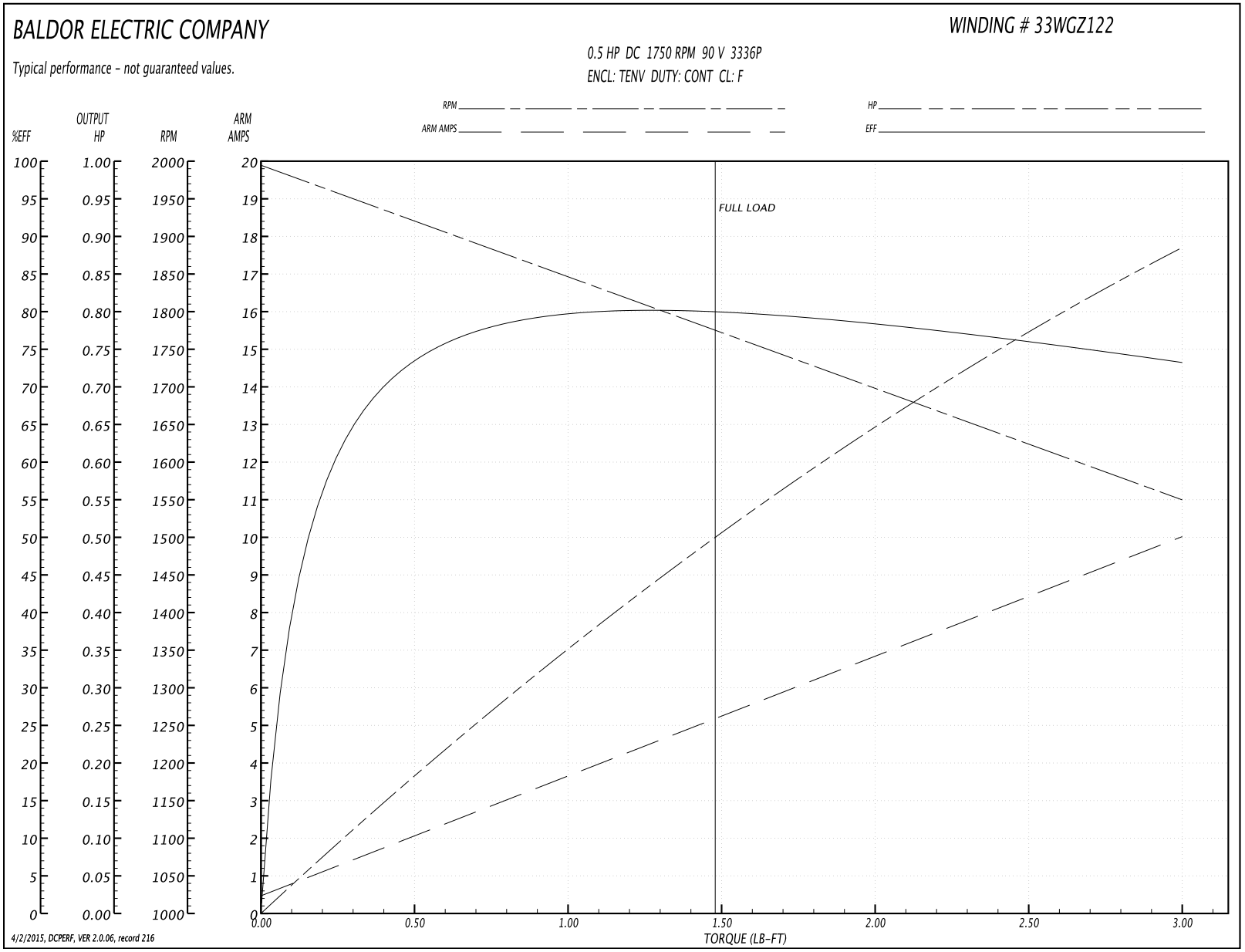
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Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:		2.0767 ohms		**Commutating Winding Resistance:**			
Series Winding Resistance:				**Shunt Winding Resistance:**			
Armature Inductance:		15.574 mH		**Armature Inertia:**			
Maximum Rated RPM With Field Weakening:				**Maximum Allowable Inrush Amps:**		44.0	
Load Characteristics							
Load Point	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Armature Amps:	0.474	2.065	3.656	5.247	6.838	8.429	10.02
RPM:	1995.0	1920.0	1846.0	1772.0	1698.0	1624.0	1550.0
Torque (LB-FT):	0.0	0.5	1.0	1.5	2.0	2.5	3.0

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Performance Graph at 90.0 Arm V, 0.5HP Typical performance - Not guaranteed values

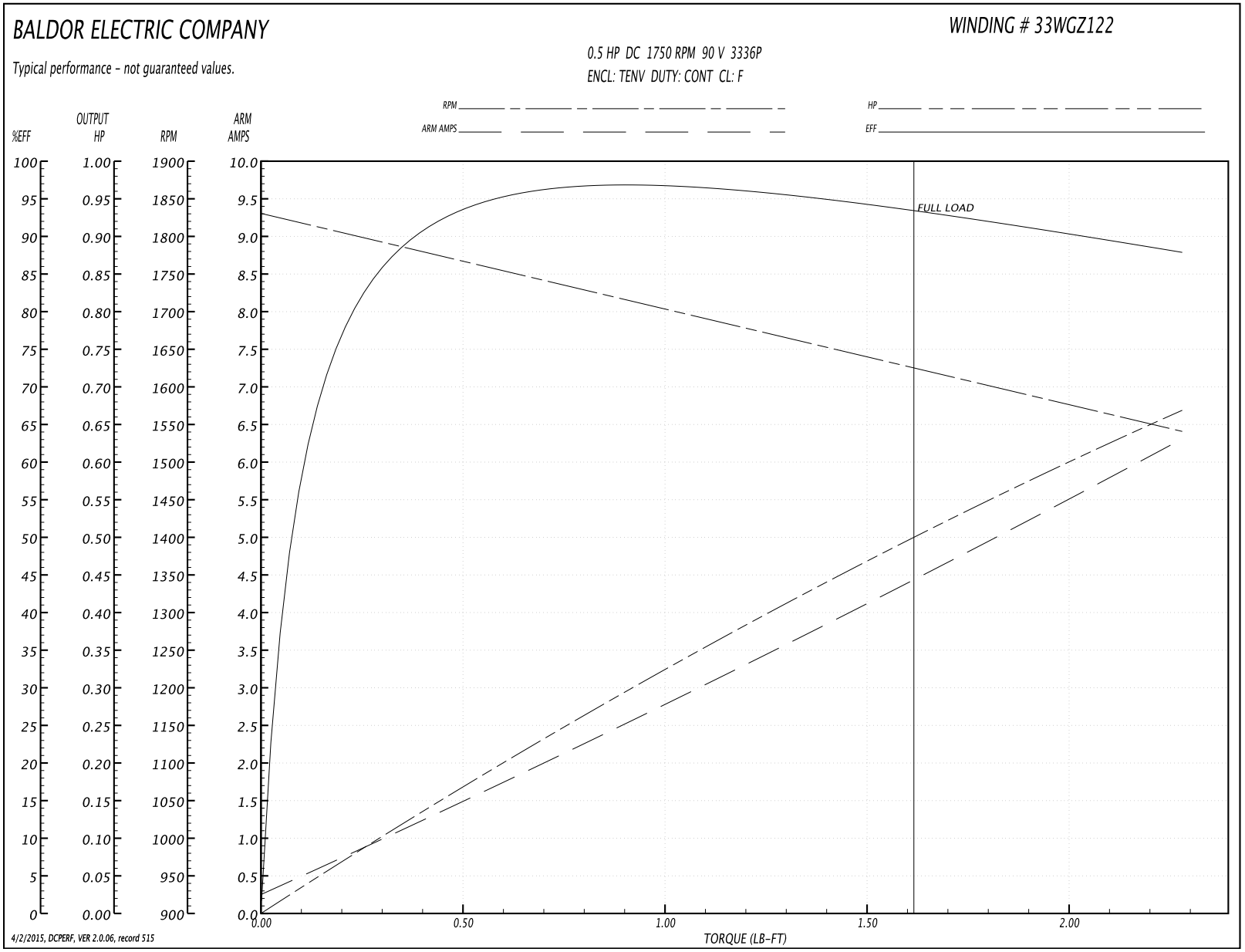


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Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:		1.2779 ohms		**Commutating Winding Resistance:**			
Series Winding Resistance:				**Shunt Winding Resistance:**			
Armature Inductance:		15.798 mH		**Armature Inertia:**			
Maximum Rated RPM With Field Weakening:				**Maximum Allowable Inrush Amps:**			
Load Characteristics							
Load Point	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Armature Amps:	0.24	1.25	2.1	3.15	4.05	5.36	6.25
RPM:	1835.0	1793.0	1721.0	1672.0	1648.0	1584.0	1549.0
Torque (LB-FT):	0.0	0.38	0.76	1.14	1.5	1.9	2.28

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Performance Graph at 90.0 Arm V, 0.5HP Typical performance - Not guaranteed values



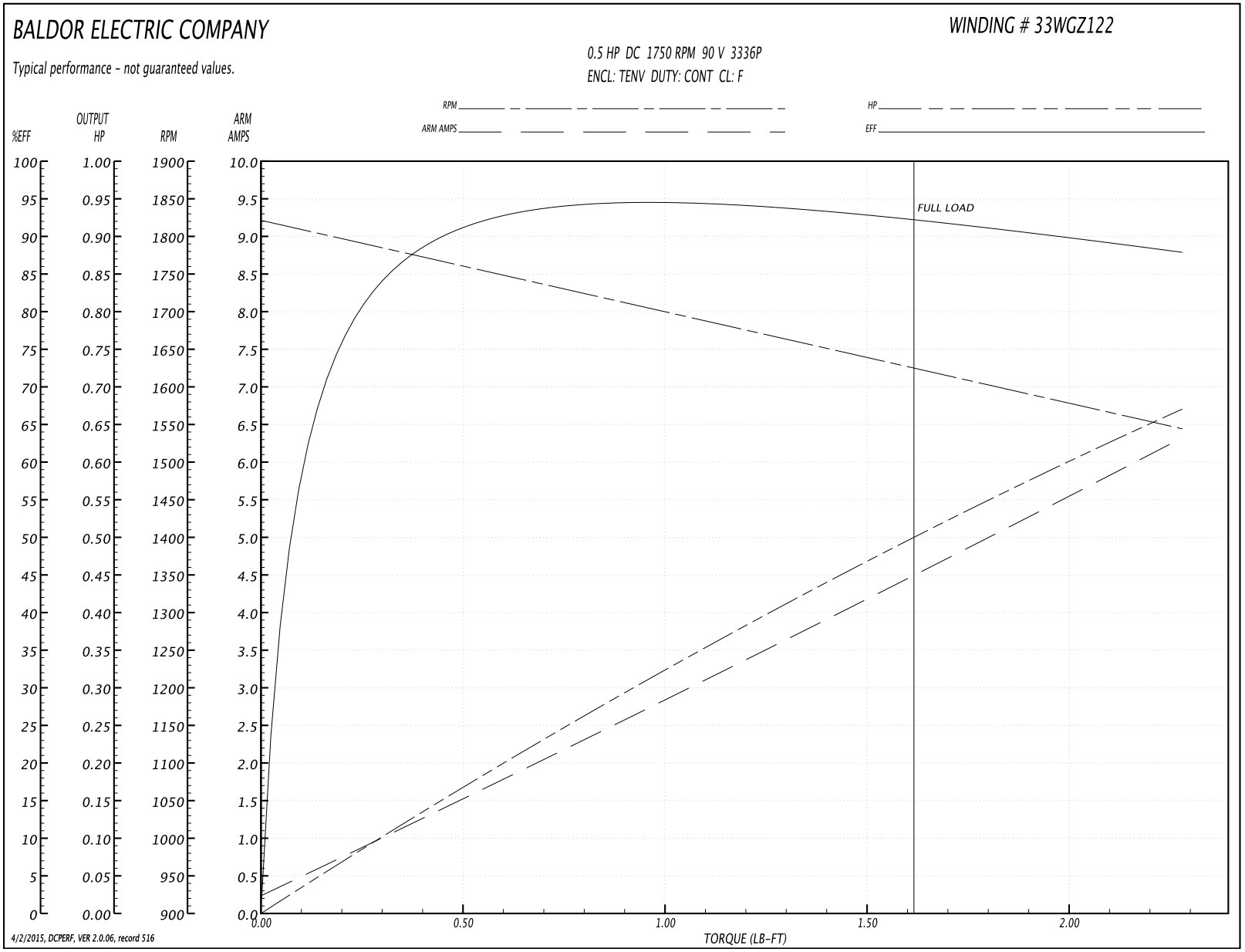
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Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:		1.2525 ohms		**Commutating Winding Resistance:**			
Series Winding Resistance:				**Shunt Winding Resistance:**			
Armature Inductance:		15.413 mH		**Armature Inertia:**			
Maximum Rated RPM With Field Weakening:				**Maximum Allowable Inrush Amps:**			
Load Characteristics							
Load Point	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Armature Amps:	0.24	1.15	2.35	3.16	4.07	5.37	6.3
RPM:	1835.0	1770.0	1723.0	1683.0	1624.0	1588.0	1559.0
Torque (LB-FT):	0.0	0.38	0.76	1.14	1.5	1.9	2.28

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Performance Graph at 90.0 Arm V, 0.5HP Typical performance - Not guaranteed values



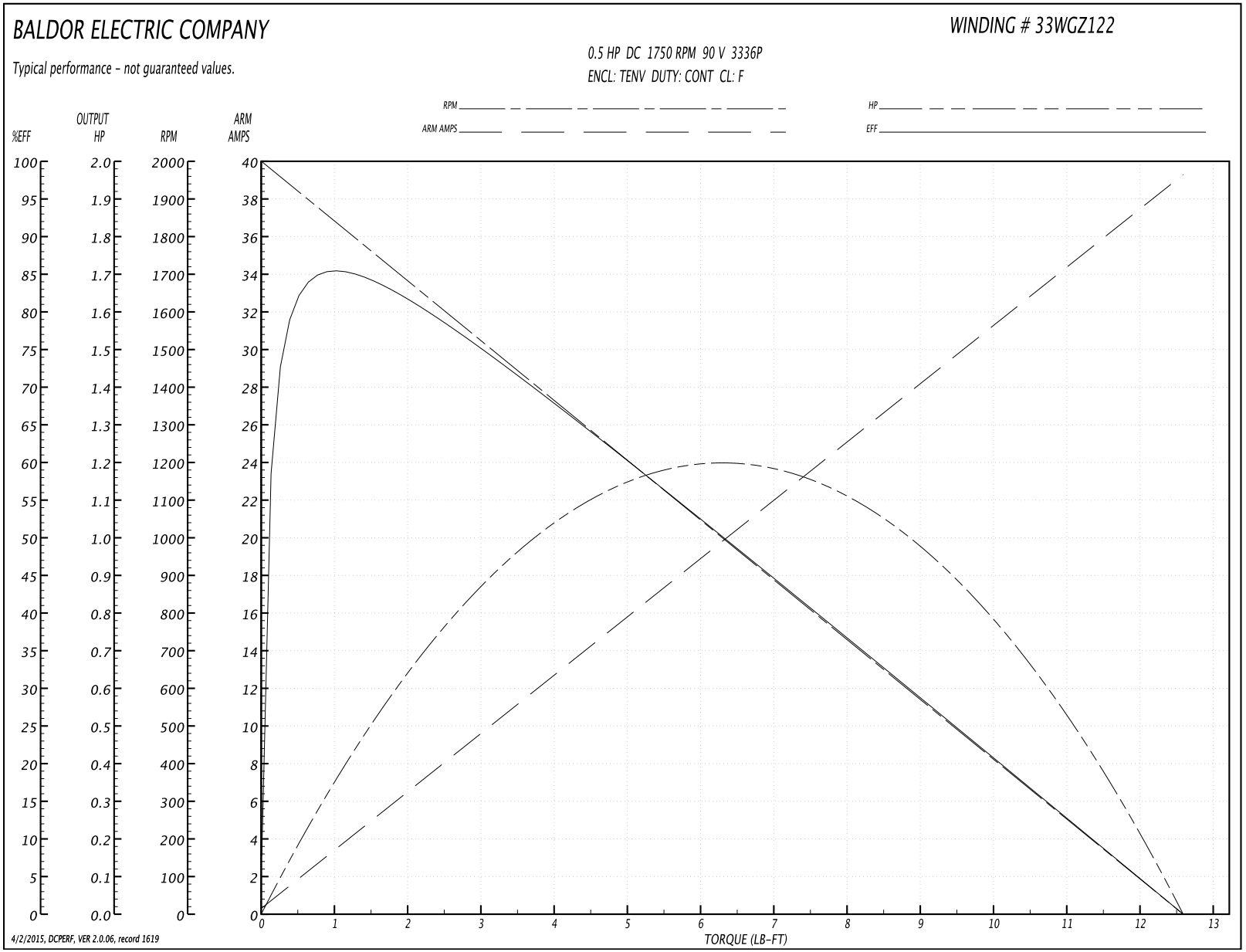
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Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:		1.22 ohms		**Commutating Winding Resistance:**			
Series Winding Resistance:				**Shunt Winding Resistance:**			
Armature Inductance:		15.574 mH		**Armature Inertia:**			
Maximum Rated RPM With Field Weakening:				**Maximum Allowable Inrush Amps:**		44.0	
Load Characteristics							
Load Point	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Armature Amps:	0.32	6.51	12.7	18.89	25.08	31.28	39.3
RPM:	2000.0	1682.0	1365.0	1047.0	729.0	412.0	0.1
Torque (LB-FT):	0.0	2.0	4.0	6.0	8.0	10.0	12.59

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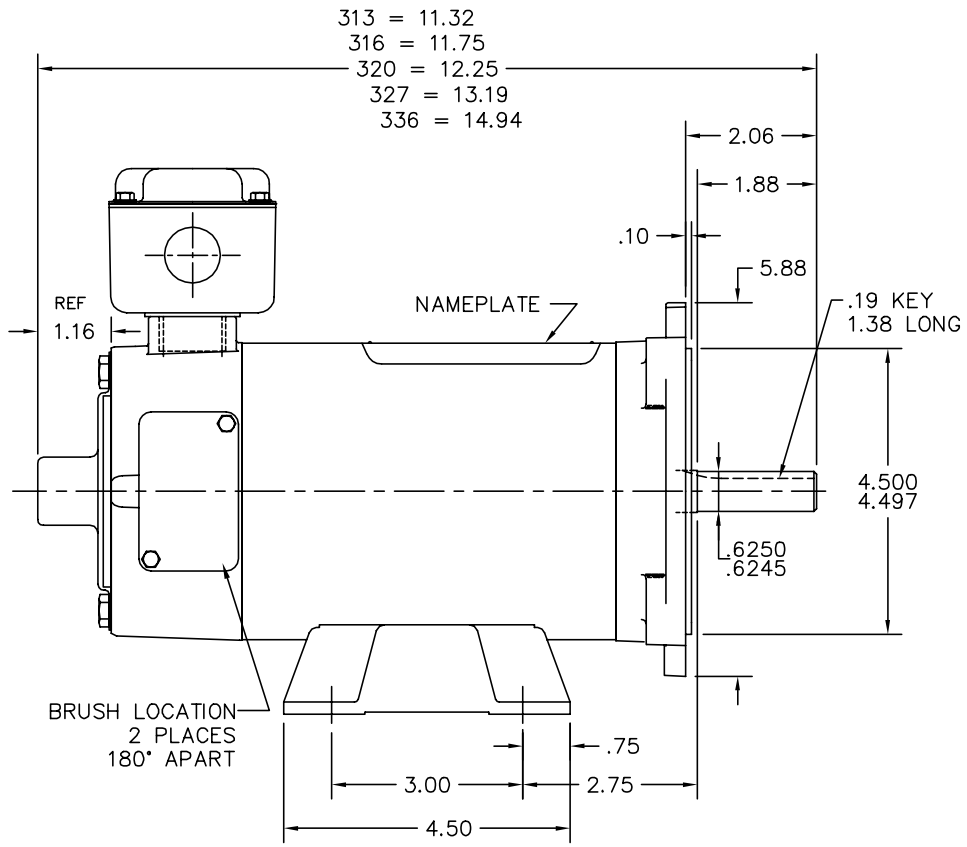
Performance Graph at 90.0 Arm V, 0.5HP Typical performance - Not guaranteed values

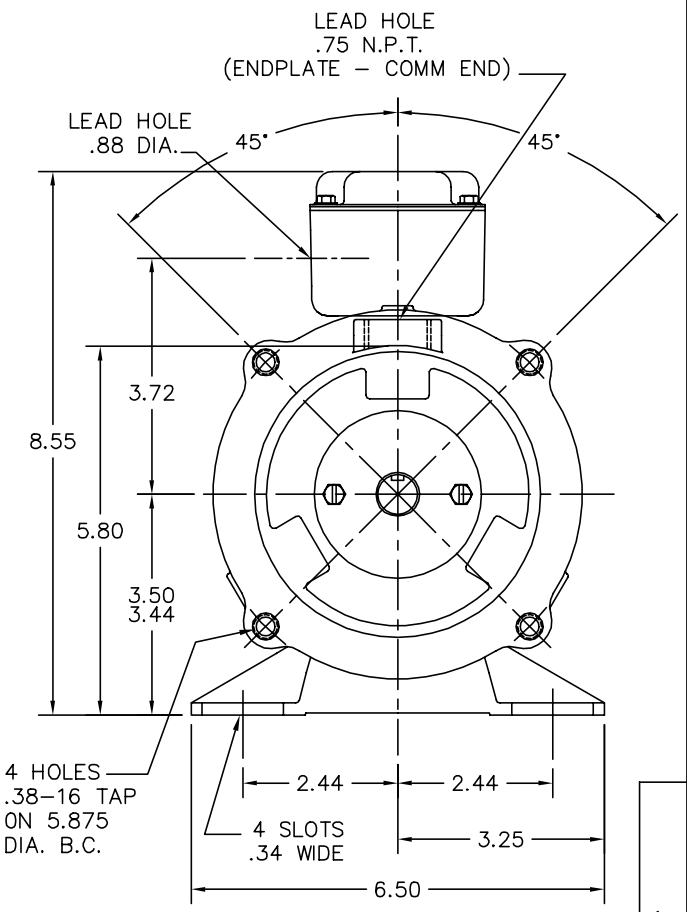


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33LY2024





33LY2024

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

REV. DESC: UPDATE LAYOUT & ADD STACK 316		
REV. LTR: K	VERSION: 02	TDR: 000000874193
FILE: \AAA\00013\646	REVISED: 10:12:04 10/06/2014	BY: ENROSTO
MTL: –		

BALDOR

STD HORZ 33PM NEMA 56C TENV 2 POLE W/M.F.T.K

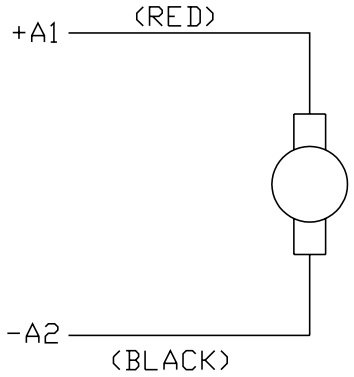
SH 1 of 1

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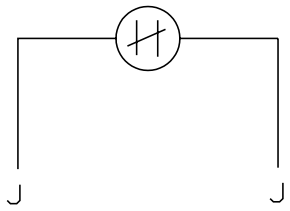
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CD0194

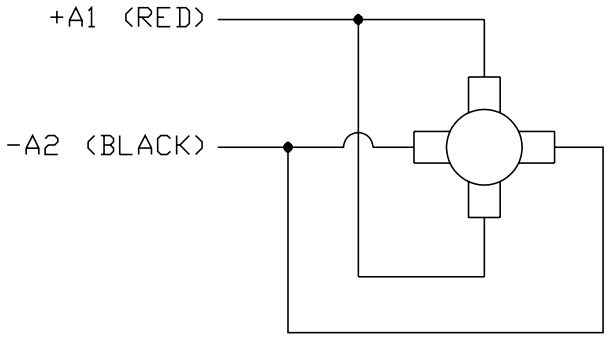
MOTOR



THERMOSTAT
(WHEN REQUIRED)



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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We buy equipment

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