

# **BALDOR**® • **RELIANCE**

## **Product Information Packet**

# **CDP3580**

**1.5HP,2500RPM,DC,145TC,3524P,TEFC,F1**

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	35WGZ183	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35P432	Layout:	35LYP432
Frame:	145TC	Mounting:	F1	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-01-2015
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP0891L			
CAT.NO.	CDP3580		
SPEC.	35P432Z183		
HP	1.5	ENCL	TEFC
RPM	2500		
FRAME	145TC	TYPE	3524P
ARM V	180	ARM A	7
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	K
BRG/DE	6205	BRG/ODE	6205
BRUSHES	2/BP5000T15		
		BLANK	IP44
SER.			
BLANK			
APRV-CE	<input type="checkbox"/> Y	APRV-CSA	<input type="checkbox"/> Y
		APRV-UL	<input type="checkbox"/> Y

Parts List		
Part Number	Description	Quantity
SA005508	SA 35P432Z183	1.000 EA
AA003157	AA 35P432Z183	1.000 EA
BP5000T15SP	CARBON BRUSH-35P,180VOLTS	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
35EP3110A02	FR ENDPLATE, MACH	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35EP3301A01	PU ENDPLATE, MACH	1.000 EA
BP5201A14SP	BRUSH HOLDER ASSY	1.000 EA
80XN1032A03	10-32 X 3/16 SET SCREW	2.000 EA
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.001 EA
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH5001A10SP	FAN COVER ASS'Y TEFC HORZ	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 EA
WD4100A17	PLUG STIMPSON D4036	1.000 EA
35CB4506	CONDUIT BOX LID, STAMPED	1.000 EA
35GS1010	CONDUIT BOX LID, GASKET	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3101A19	THRUBOLT 1/4-20 X 7.875	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
NP0891L	NP STD LASER ENGRAVED DC MTRS, UL CSA CE	1.000 EA
35PA1007	PKG GRP, PRINT PK1034A06	1.000 EA

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
TK3500	TACHO MOUTING KIT TK3500	A8

**DC Motor Performance Data**

Record # 355 - Typical performance - not guaranteed values

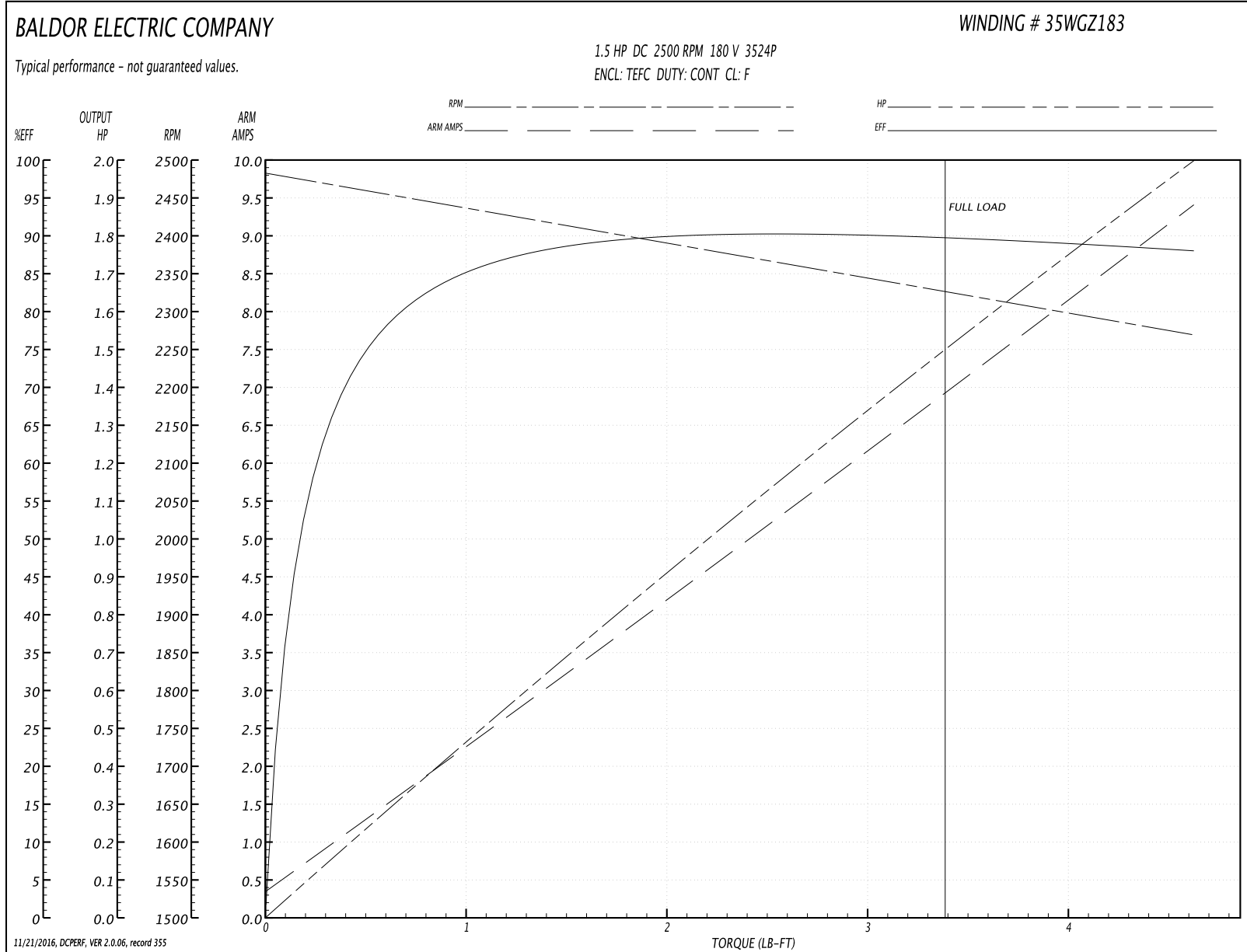
<b>Winding:</b> 35WGZ183-R003	<b>Type:</b> 3524P	<b>Enclosure:</b> TEFC
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Nameplate Data		General Characteristics	
Rated Output (HP)	1.5	Armature Resistance @ 25°C	1.04 Ω
R.P.M.	2500		
Armature Volts	180		
Armature Amps	7		
Field Volts		Armature Inductance	12.01 mH
Field Amps			
Rating - Duty	40C AMB-CONT		
Power Supply Code	K		

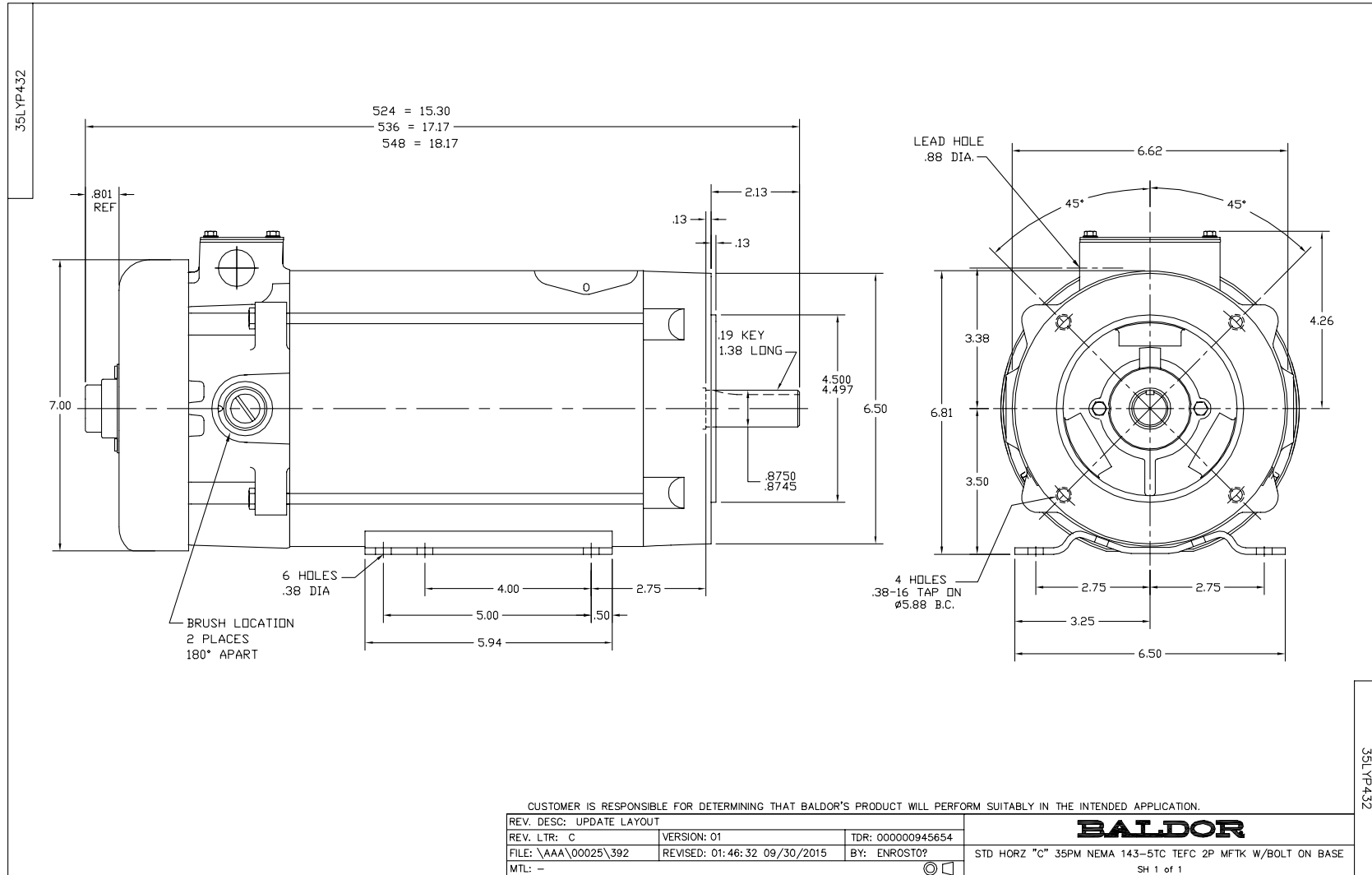
Load Characteristics at 180 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	0.4	1.7	3.2	5	6.4	7.9	9.4
R.P.M.	2485	2445	2407	2378	2345	2305	2264
Torque ( LB-FT )	0	0.75	1.5	2.375	3.125	3.875	4.625

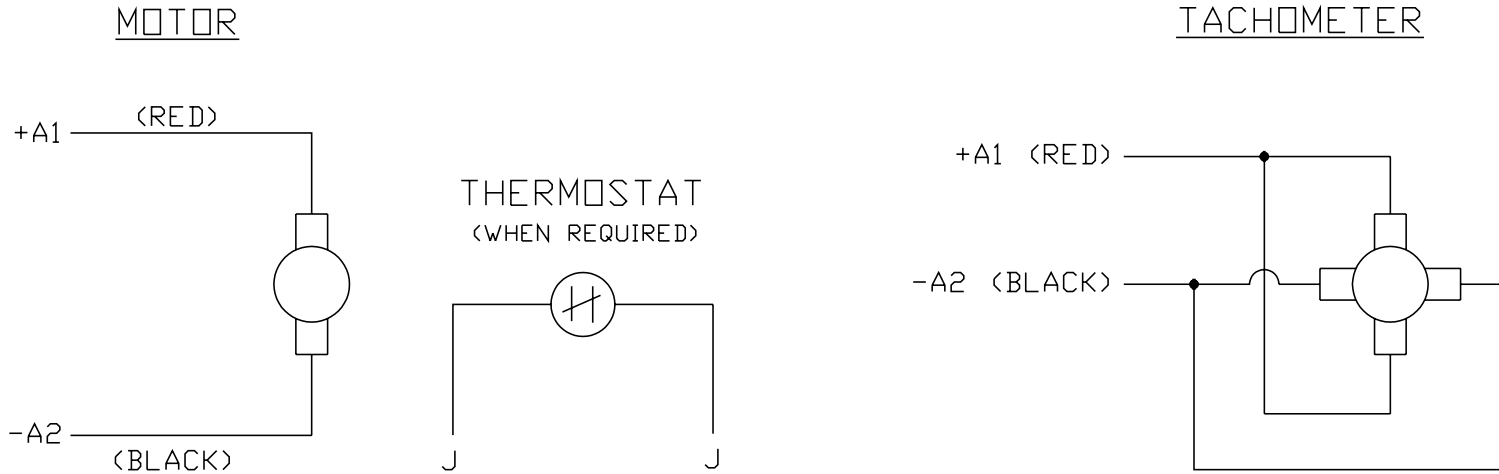
Performance Graph at 180.0 Arm V, 1.5HP Typical performance - Not guaranteed values







CD0194



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.

MATL: -			
REV: E	ADDED NOTE "LEAD COLORS FOR REFERENCE ONLY &..."		
CD0194	SCALE: -	BY: CK	REVISED: 07/28/95
	FILE: AAA00004503	TDR: 0078737	

**BALDOR ELECTRIC Co.**

CD TYPE P DC PERMANENT MAGNET MOTORS AND TACHOMETERS

CD0194