

# **BALDOR**® • *RELIANCE*

## **Product Information Packet**

# **CDPT3585**

**2HP,1750RPM,DC,145TC,3548P,TEFC,F1**

Part Detail							
Revision:	W	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	35WGZ170	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35P529	Layout:	35LYP529
Frame:	145TC	Mounting:	F1	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	07-28-2014
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP0891L			
CAT.NO.	CDPT3585		
SPEC.	35P529Z170		
HP	2	ENCL	TEFC
RPM	1750		
FRAME	145TC	TYPE	3548P
ARM V	180	ARM A	9.6
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
SA005552	SA 35P529Z170	1.000 EA
AA003201	AA 35P529Z170	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
35EP3110B01	SPL FR. ENDPLATE TEFC 35PM FOR TACH ADAP	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35EP3301A01	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 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
HA6342A01	TG-300 TACH. ADAPTER MACH'D FOR 35 FRAME	1.000 EA
84XN2520J12	1/4-20 X 3/4 SOC.HD CAP SCR	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
35CB4508	COVER- 35 TACH. ADAP(CLOWTDR 10478	1.000 EA
35GS5002	GASKET-COVER 35 TACH ADAPTER	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
HA6345A02	SHAFT ADAPTER,34 & 35 MTRTG200 & TG300 T	1.000 EA
HW1005W01	IOCKWASHER, 201 BEARING MO	1.000 EA
18XN0632A16	FLAT HEAD SCREW	2.000 EA
12XN0440A12	4-40X.750 SLOTTED HEX HD CAP ZN	2.000 EA
HW1001A04	WASHER, #4 SPLT LK ZINC	2.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
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
WD4100A26	HEYCO UNIVERSAL BUSHING P/N 2089, MTG HO	1.000 EA
35CB4506	CONDUIT BOX LID, STAMPED	1.000 EA
35GS1010A01	GASKET, CONDUIT BOX LID TDR 11640	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
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
X3B003Z029	TACH TG-300 50V .625BORE W/NOTCH CW	1.000 EA
35FH4005A01SP	IEC FH NO GREASER W/PRIMED	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LC0194	CONNECTION 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

**DC Motor Performance Data**

Record # 2081 - Typical performance - not guaranteed values

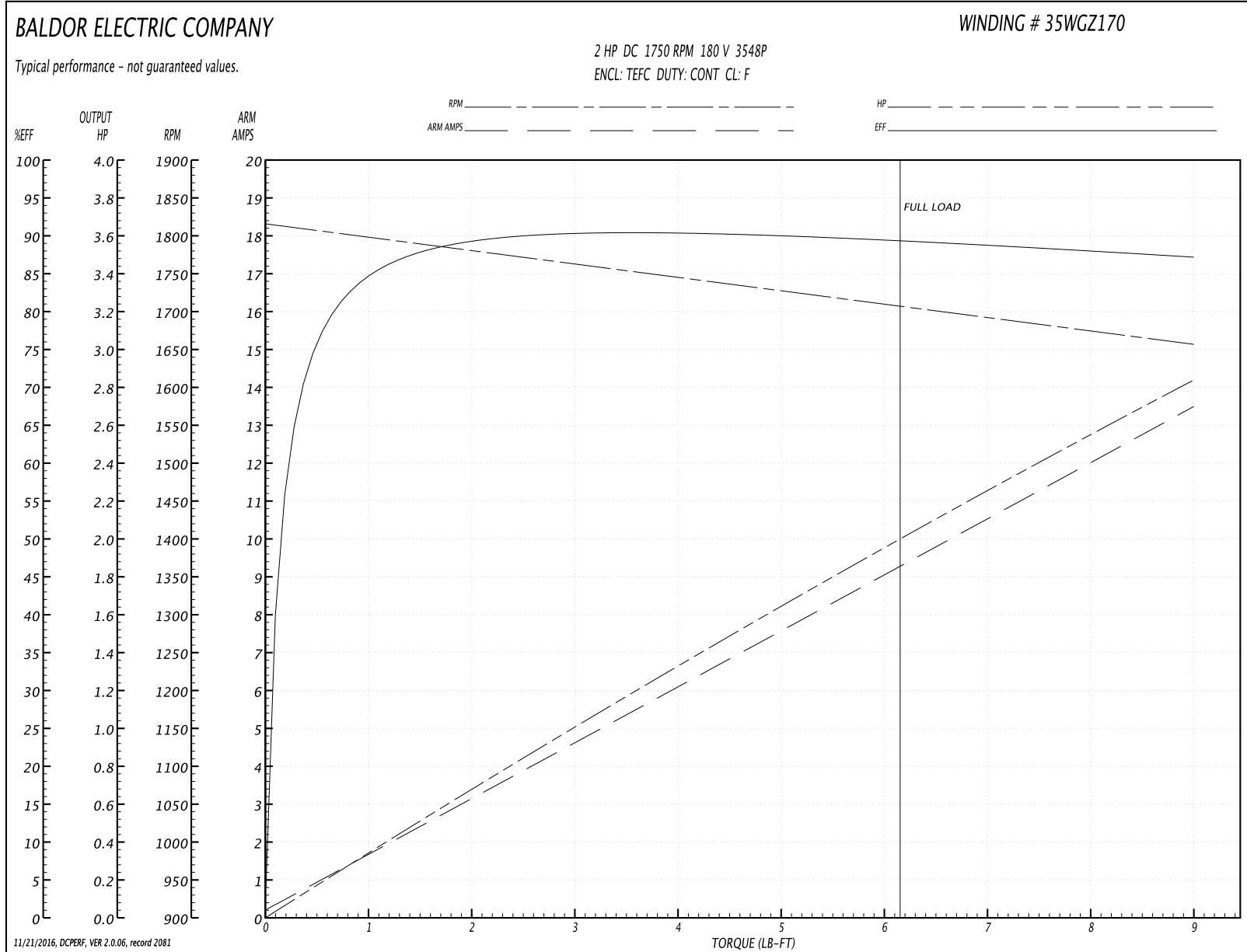
<b>Winding:</b> 35WGZ170-R001	<b>Type:</b> 3548P	<b>Enclosure:</b> TEFC
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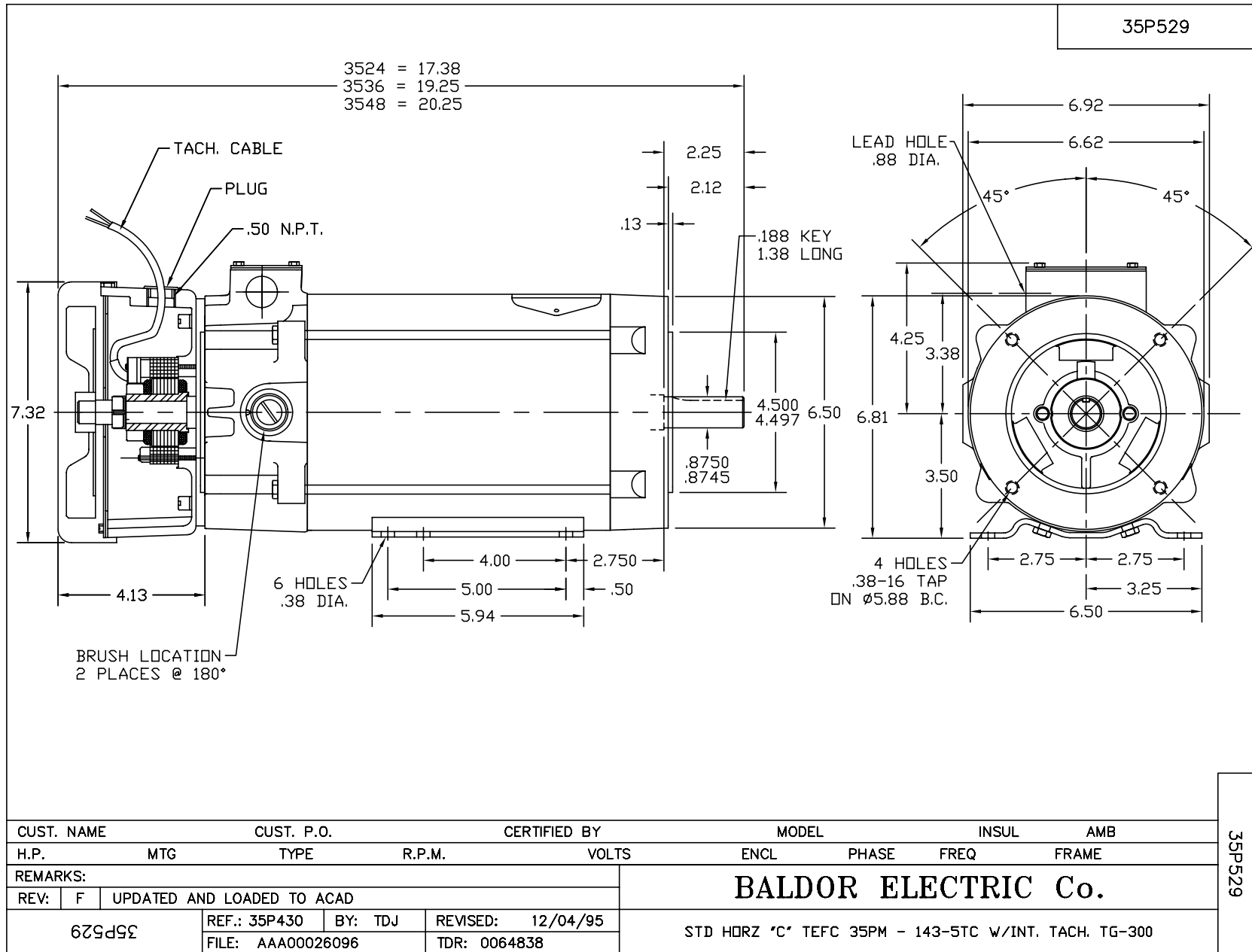
Nameplate Data		General Characteristics	
Rated Output (HP)	2	Armature Resistance @ 25°C	0.8093 Ω
R.P.M.	1750		
Armature Volts	180	Voltage Constant	98.25 v/krpm
Armature Amps	9.6		
Field Volts		Armature Inductance	11.508 mH
Field Amps		Armature Inertia	40.456 LI <sup>2</sup>
Rating - Duty	40C AMB-CONT		
Power Supply Code	K		

Load Characteristics at 180 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	0.2	2.4	4.7	6.8	9	11.3	13.5
R.P.M.	1806	1796	1770	1741	1707	1671	1663
Torque ( LB-FT )	0	1.5	3	4.5	6	7.5	9

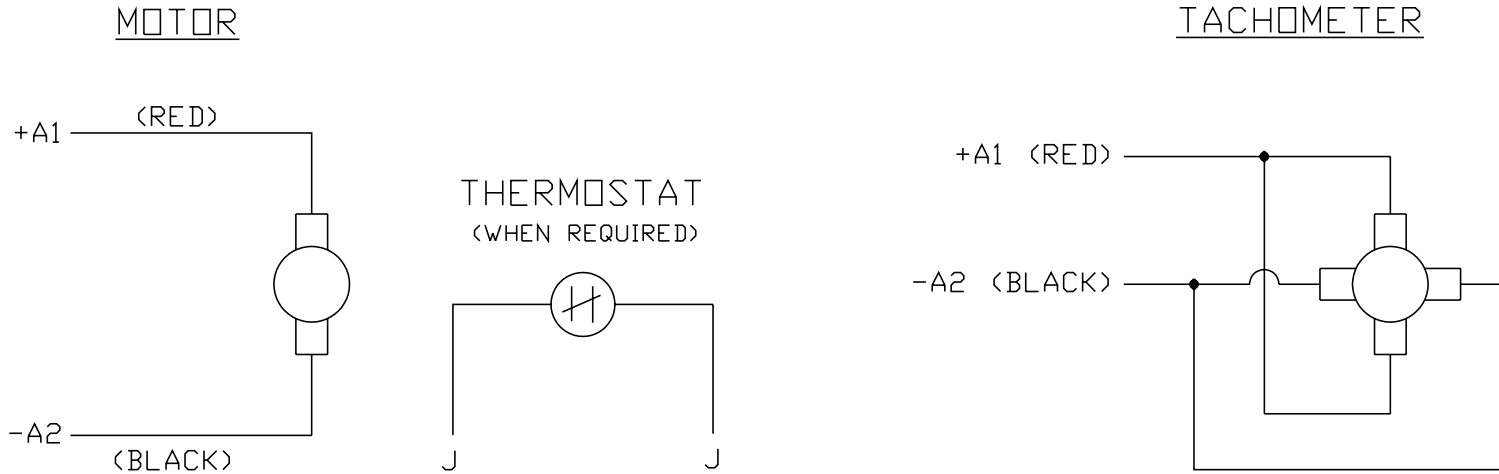
Performance Graph at 180.0 Arm V, 2.0HP Typical performance - Not guaranteed values







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