

BALDOR® • RELIANCE

Product Information Packet

CDP3585

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:	35P432	Layout:	35LYP432
Frame:	145TC	Mounting:	F1	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	07-22-2013
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP0891L					
CAT.NO.	CDP3585				
SPEC.	35P432Z170				
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			
SER.					
BLANK	IP44				
APRV-CE	Y	APRV-CSA	Y	APRV-UL	Y

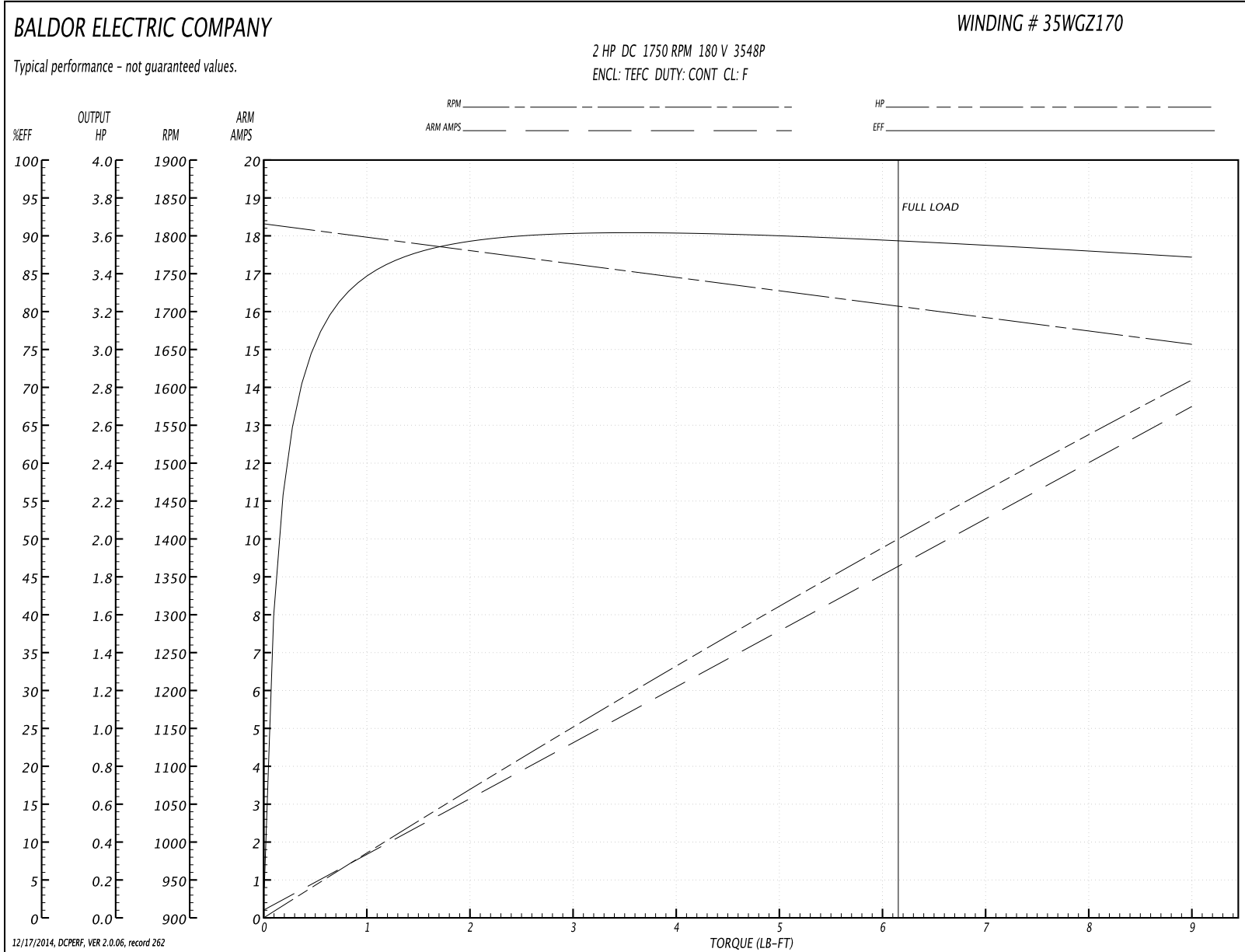
Parts List		
Part Number	Description	Quantity
SA005504	SA 35P432Z170	1.000 EA
AA003153	AA 35P432Z170	1.000 EA
BP5000T15SP	CARBON BRUSH-35P,180VOLTS	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
35EP3110A02	FR ENDPLATE, 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
35FN3002A05SP	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
HW2501D13SP	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	0.017 GA

Parts List (continued)		
Part Number	Description	Quantity
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3101A60	THRUBOLT, 1/4-20 X 10.750	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
NP0891L	NP STD LASER ENGRAVED DC MTRS, UL CSA CE	1.000 EA
35PA1007	PACKAGING GROUP	1.000 EA

Accessories		
Part Number	Description	Multiplier
TK3500	TACHO MOUNTING KIT TK3500	A8

Performance Data at 180.0 Arm V, 2.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:				Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:				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:	0.2	2.4	4.7	6.8	9.0	11.3	13.5
RPM:	1806.0	1796.0	1770.0	1741.0	1707.0	1671.0	1663.0
Torque (LB-FT):	0.0	1.5	3.0	4.5	6.0	7.5	9.0

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



Performance Data at 180.0 Arm V, 2.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:		0.8093 ohms		Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:		11.508 mH		Armature Inertia:		40.456 LI²	
Maximum Rated RPM With Field Weakening:				Maximum Allowable Inrush Amps:			
Load Characteristics							
Load Point	1	2	3	4	5	6	7
Armature Amps:	0.2	2.4	4.7	6.8	9.0	11.3	13.5
RPM:	1806.0	1796.0	1770.0	1741.0	1707.0	1671.0	1663.0
Torque (LB-FT):	0.0	1.5	3.0	4.5	6.0	7.5	9.0

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