

BALDOR® • *RELIANCE*

Product Information Packet

CDPWD3455

1HP,1750RPM,DC,56C,3435P,TEFC,F1

Part Detail							
Revision:	AD	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	34WG3865	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34-6418	Layout:	34LY6418
Frame:	56C	Mounting:	F1	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-17-2016
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1509			
CAT.NO.	CDPWD3455		
SPEC.	34-6418-3865		
HP	1	ENCL	TEFC
RPM	1750		
FRAME	56C	TYPE	3435P
ARM V	180	ARM A	5
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	1.5
BRG/DE	6203	BRG/ODE	6203
BRUSHES	2/BP5000AW14		
SER.		BLANK	
BLANK			
APRV-CSA	<input type="checkbox"/>	APRV-UL	<input type="checkbox"/>
			APRV-CE <input type="checkbox"/>

Parts List		
Part Number	Description	Quantity
SA005389	SA 34-6418-3865	1.000 EA
AA003038	AA 34-6418-3865	1.000 EA
BP5000AW14SP	CARBON BRUSH - 33P, 180 VOLTS	1.000 EA
HA3210B66	.125 DIA X .281 (AUTO)	2.000 EA
34EP3103B50W	FR EP MACH 34PM TEFC W/NPT LH, SPL DRN L	1.000 EA
51XB1016A06	10-16X3/8 HXWSSLD SERTYB	3.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
WD4100A17	PLUG STIMPSON D4036	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A41W	PU ENDPLATE 56C 34-ENCL FOR WASHDOWN DC	1.000 EA
19XA1016S06	10-16X 3/8" TYPE AB SS X	3.000 EA
11XN1032S22	10-32 X 1-3/8 HEX WASHER HEAD, SLOTTED	2.000 EA
BP5201A17	BRUSH HOLDER - WITHOUT CAP & CONN.	2.000 EA
80XN1032A03	10-32 X 3/16 SET SCREW	2.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH5002A01SP	FAN COVER ASSY W/SHAFT COVER	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
34CB4504W	CON.BOX LID W/WHITE POWDER COAT	1.000 EA
34GS1011A03	GASKET, CONDUIT BOX LID (.062 WHITE)	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	2.000 EA
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 EA
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT

Parts List (continued)		
Part Number	Description	Quantity
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.001 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
BP3000A02SP	AMP LEAD CLIP #60812-2 SPL	1.000 EA
BP4543A01	BRUSH HOLDER CAP, AE-74-SO W/O RING	2.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
HW4600A54	SEAL 0.668 X 1.064 X 0.250 DOUBLE SHIELD	1.000 EA
HW4600A54	SEAL 0.668 X 1.064 X 0.250 DOUBLE SHIELD	1.000 EA
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 EA
MG1025W01	WILKOFAS, 781.01, SIGNAL WHITE #9003	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
ML14A1B14	14 AWG,A1,BLACK	8.500 IN
ML14A2B14	14 AWG,A2,BLACK	8.500 IN
LC0194	CONNECTION LABEL	1.000 EA
NP1509	DC, WD, UL CE CSA, W/O THERMAL	1.000 EA
HA3100S11	THRUBOLT - 10-32 X 8.500 W	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
27PA1001	PKG GRP, PRINT PK1027A06	1.000 EA

DC Motor Performance Data

Record # 237 - Typical performance - not guaranteed values

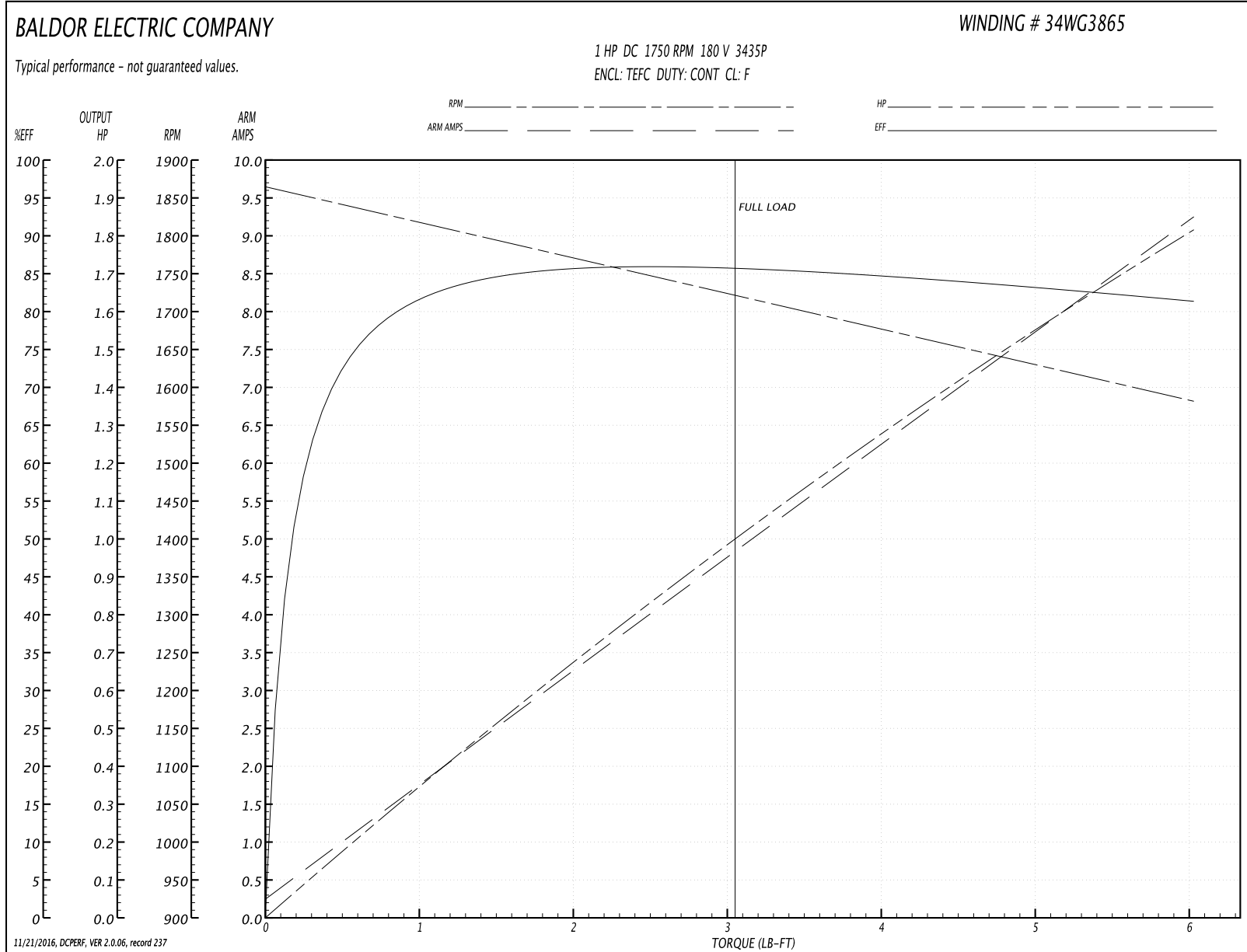
Winding: 34WG3865-R001	Type: 3435P	Enclosure: TEFC
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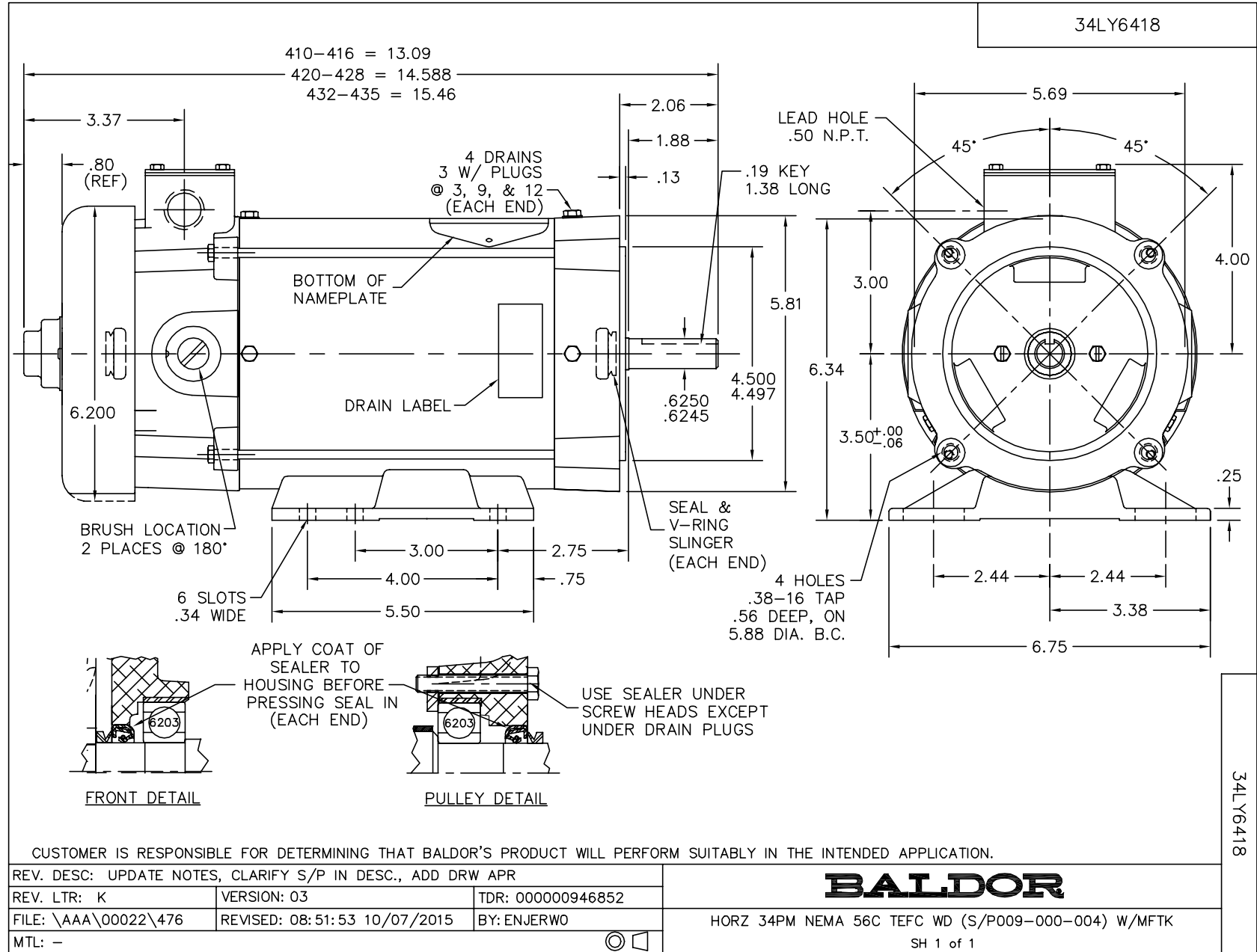
Nameplate Data		General Characteristics	
Rated Output (HP)	1	Armature Resistance @ 25°C	1.9971 Ω
R.P.M.	1750		
Armature Volts	180		
Armature Amps	5		
Field Volts			
Field Amps			
Rating - Duty	40C AMB-CONT		
Form Factor	1.5		

Load Characteristics at 180 Armature Volts

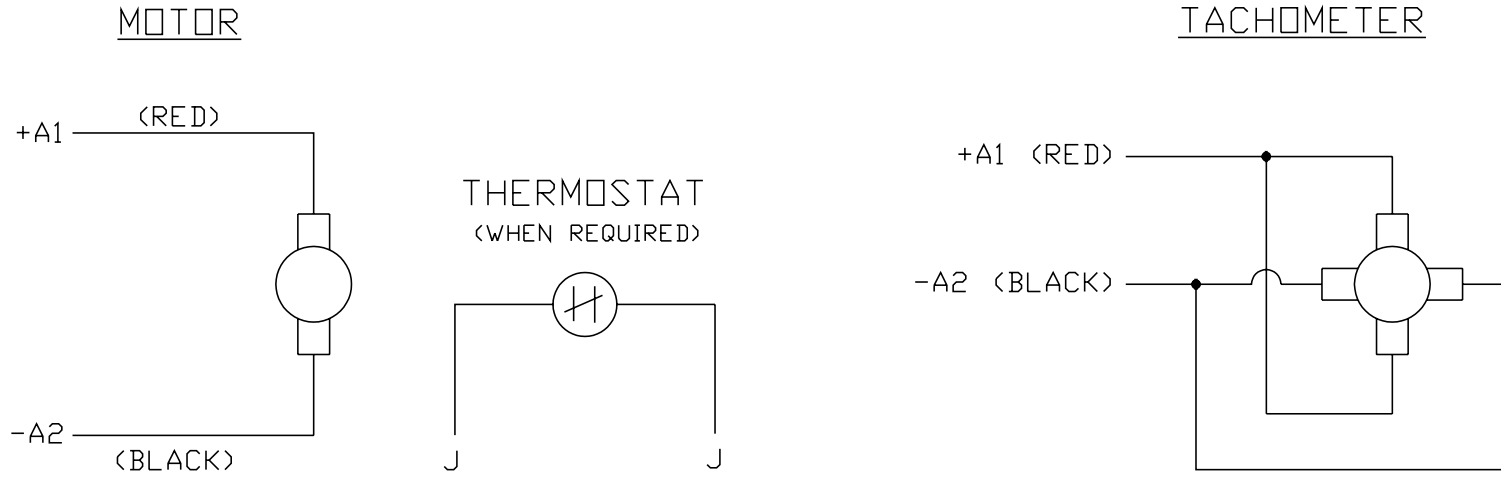
Load Point	1	2	3	4	5	6	7
Armature Amps	0.23	1.41	2.52	3.66	4.83	7.05	9.26
R.P.M.	1870	1829	1794	1755	1720	1643	1590
Torque (LB-FT)	0	0.75	1.51	2.26	3.05	4.55	6.03

Performance Graph at 180.0 Arm V, 1.0HP 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 &..."		
761000	SCALE: -	BY: CK	REVISED: 07/28/95
	FILE: AAA00004503		TDR: 0078737

BALDOR ELECTRIC Co.

CD TYPE P DC PERMANENT MAGNET MOTORS AND TACHOMETERS

CD0194