

# **BALDOR**® • *RELIANCE*

## **Product Information Packet**

# **CDPWD3440**

**.75HP,1750RPM,DC,56C,3428P,TEFC,F1**

Part Detail							
Revision:	AJ	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:	3428P	Elec. Spec:	34WG3662	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34-6418	Layout:	34LY6418
Frame:	56C	Mounting:	F1	Poles:	00	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-25-2017
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Specs			
Enclosure:	TEFC		
Frame:	56C		
Frame Material:	Steel		
XP Class and Group:	None		
Agency Approvals:	CE		
	CSA		
	UR		
Base Indicator:	Rigid		
Bearing Grease Type:	Polyrex EM (-20F +300F)		
Drip Cover:	No Drip Cover		
Duty Rating:	CONT		
Feedback Device:	NO FEEDBACK		
Heater Indicator:	No Heater		
Insulation Class:	F		
Lifting Lugs:	No Lifting Lugs		
Motor Lead Quantity/Wire Size:	2 @ 14 AWG		

<b>Motor Lead Exit:</b>	Ko Box		
<b>Motor Lead Termination:</b>	Flying Leads		
<b>Mounting Arrangement:</b>	F1		
<b>Product Family:</b>	Wash Down		
<b>Pulley End Bearing Type:</b>	Sealed Bearing		
<b>RoHS Status:</b>	ROHS COMPLIANT		
<b>Shaft Extension Location:</b>	Pulley End		
<b>Shaft Ground Indicator:</b>	No Shaft Grounding		
<b>Shaft Rotation:</b>	Reversible		
<b>Shaft Slinger Indicator:</b>	Shaft Slinger		
<b>Motor Standards:</b>	NEMA		

Nameplate NP1509			
CAT.NO.	CDPWD3440		
SPEC.	34-6418-3662		
HP	.75	ENCL	TEFC
RPM	1750		
FRAME	56C	TYPE	3428P
ARM V	90	ARM A	7.6
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	1.5
BRG/DE	6203	BRG/ODE	6203
BRUSHES	2/BP5000BK08		
		BLANK	
SER.			
BLANK			
APRV-CSA	<input type="checkbox"/>	APRV-UL	<input type="checkbox"/>
		APRV-CE	<input type="checkbox"/>

**DC Motor Performance Data**

Record # 2650 - Typical performance - not guaranteed values

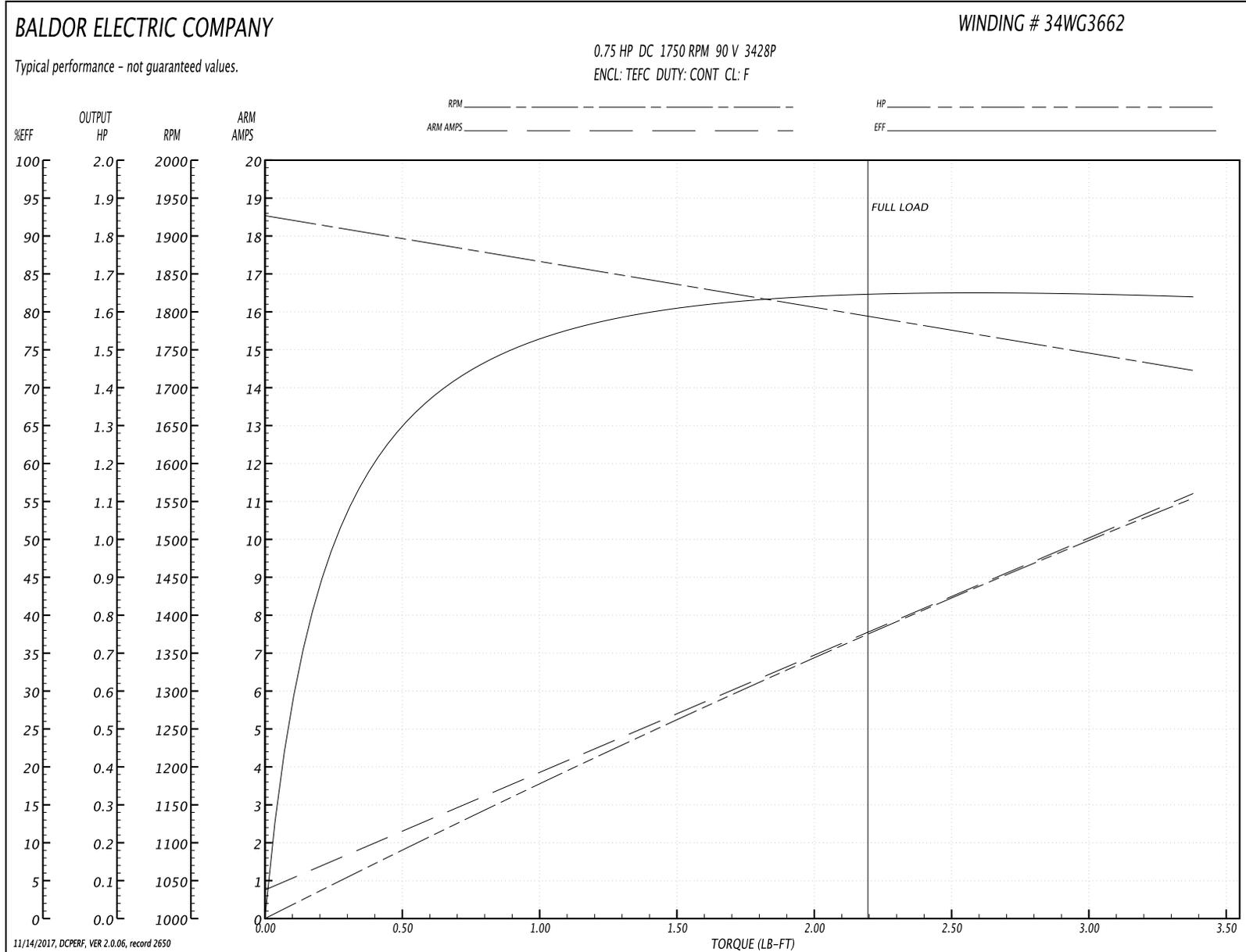
<b>Winding:</b> 34WG3662-R001	<b>Type:</b> 3428P	<b>Enclosure:</b> TEFC
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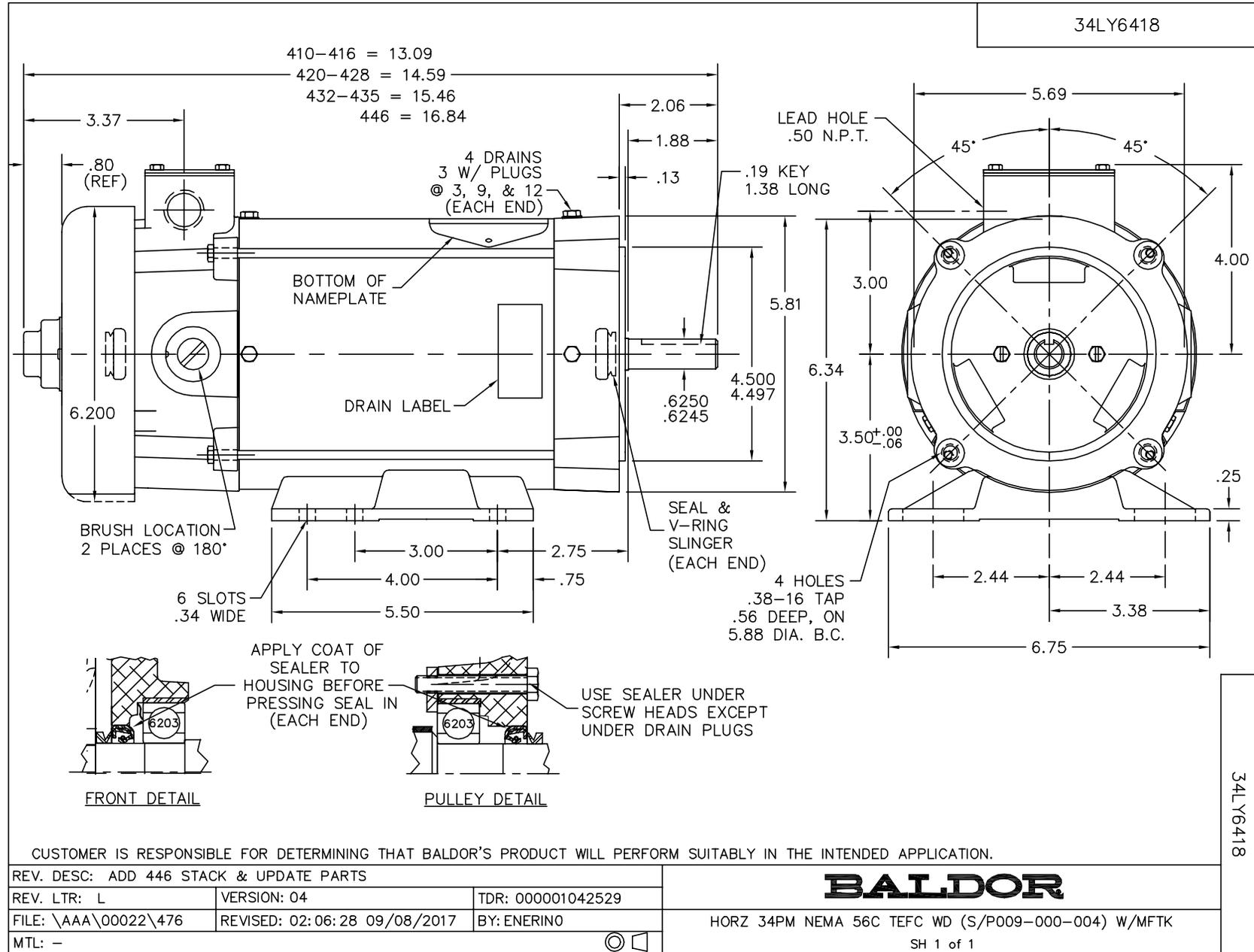
Nameplate Data		General Characteristics	
Rated Output (HP)	0.75	Armature Resistance @ 25°C	0.7344 Ω
R.P.M.	1750		
Armature Volts	90	Voltage Constant	45.88 v/krpm
Armature Amps	7.6		
Field Volts		Armature Inductance	6.683 mH
Field Amps		Armature Inertia	10.9256 LI <sup>2</sup>
Rating - Duty	40C AMB-CONT		
Form Factor	1.5		

Load Characteristics at 90 Armature Volts

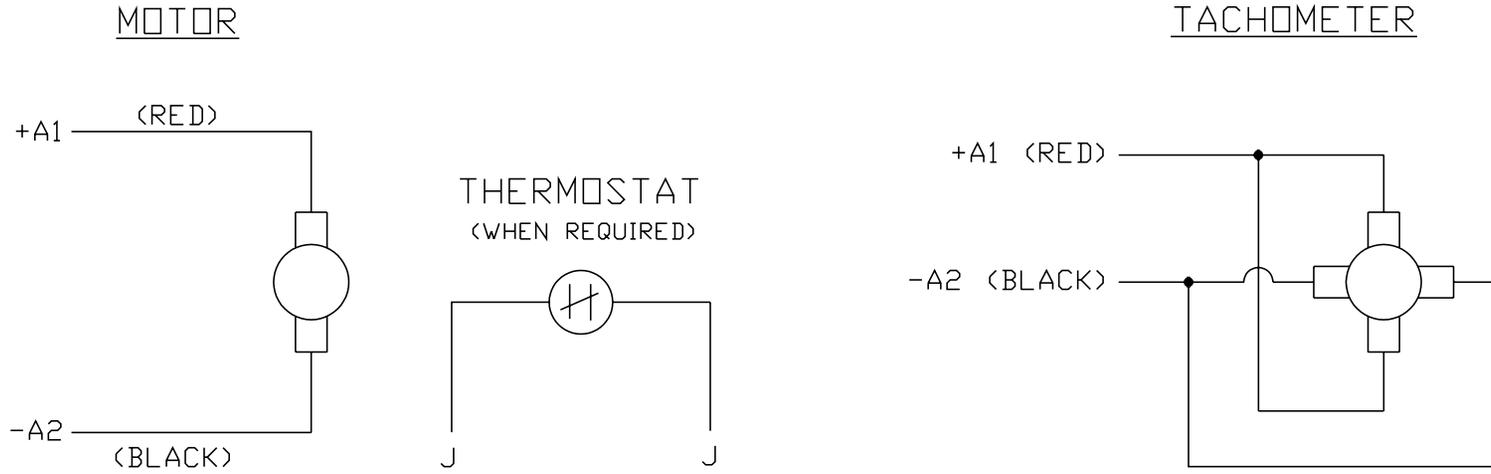
Load Point	1	2	3	4	5	6	7
Armature Amps	0.9	2.15	4.52	5.83	7.69	9.6	11.13
R.P.M.	1933	1889	1851	1825	1798	1759	1720
Torque ( LB-FT )	0	0.56	1.12	1.68	2.25	2.81	3.38

Performance Graph at 90.0 Arm V, 0.75HP 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 &..."	
#61000		SCALE: -	BY: CK
CD0194		REVISD: 07/28/95	TDR: 0078737
		FILE: AAA00004503	

**BALDOR ELECTRIC Co.**

CD TYPE P DC PERMANENT MAGNET MOTORS AND TACHOMETERS

CD0194