

BALDOR® • RELIANCE™

Customer information packet

CDPWD3436

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

Class - None

Division -

Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	TEFC
Frame	56C
Frame Material	Steel
Haz Area Class and Group	None
Output Power	0.750 HP
Agency Approvals	CE CSA UR
Ambient Temperature	40 °C
Armature Current	3.7 a
Armature Inertia	10.926 lb-ft ²
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
Lifting Lugs	No Lifting Lugs
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	14.59 IN
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End

Part detail

Revision	AQ
Type	DC
Mech. spec.	34-6418
Base	
Status	PRD/A
Elec. spec.	34WG3946
Layout	34LY6418
Eff. date	08-20-2024
CD Diagram	CD0194
Poles	00
Leads	
Proprietary	False
Created date	01-01-0001

Shaft Ground Indicator

No Shaft Grounding

Shaft Rotation

Reversible

Shaft Slinger Indicator

Shaft Slinger

Nameplate

NP1509				
CAT.NO.	CDPWD3436			
SPEC.	34-6418-3946			
HP	.75	ENCL	TEFC	
RPM	1750 1/MIN			
FRAME	56C	TYPE	3428P	
ARM V	180	ARM A	3.7	
FLD V		FLD A		
INSUL	F	AMB.	40	
DUTY	CONT	SUPPLY	1.5	
BRG/DE	6203	BRG/ODE	6203	
BRUSHES	2/BP5000AW14			
		BLANK	IP55	
SER.				
BLANK	KW.56 KG17 IC411			
APRV-CSA	Y	APRV-UL	Y	APRV-CE Y

DC Motor Performance Data

Record # 1048

Typical performance - not guaranteed values

Winding: 34WG3946-R001		Type: 3428P		Enclosure: TEFC	
Nameplate Data			General Characteristics		
Rated Output (HP)	0.75	Armature Resistance @ 25°C	2.728 Ω		
R.P.M.	1750				
Armature Volts	180				
Armature Amps	3.7				
Field Volts		Armature Inductance	27.3166 mH		
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	0.16	1.36	2.56	3.76	5.66	6.72	8.16
R.P.M.	1985	1934	1883	1832	1750	1705	1644
Torque (LB-FT)	0	0.75	1.5	2.25	3.44	4.1	5

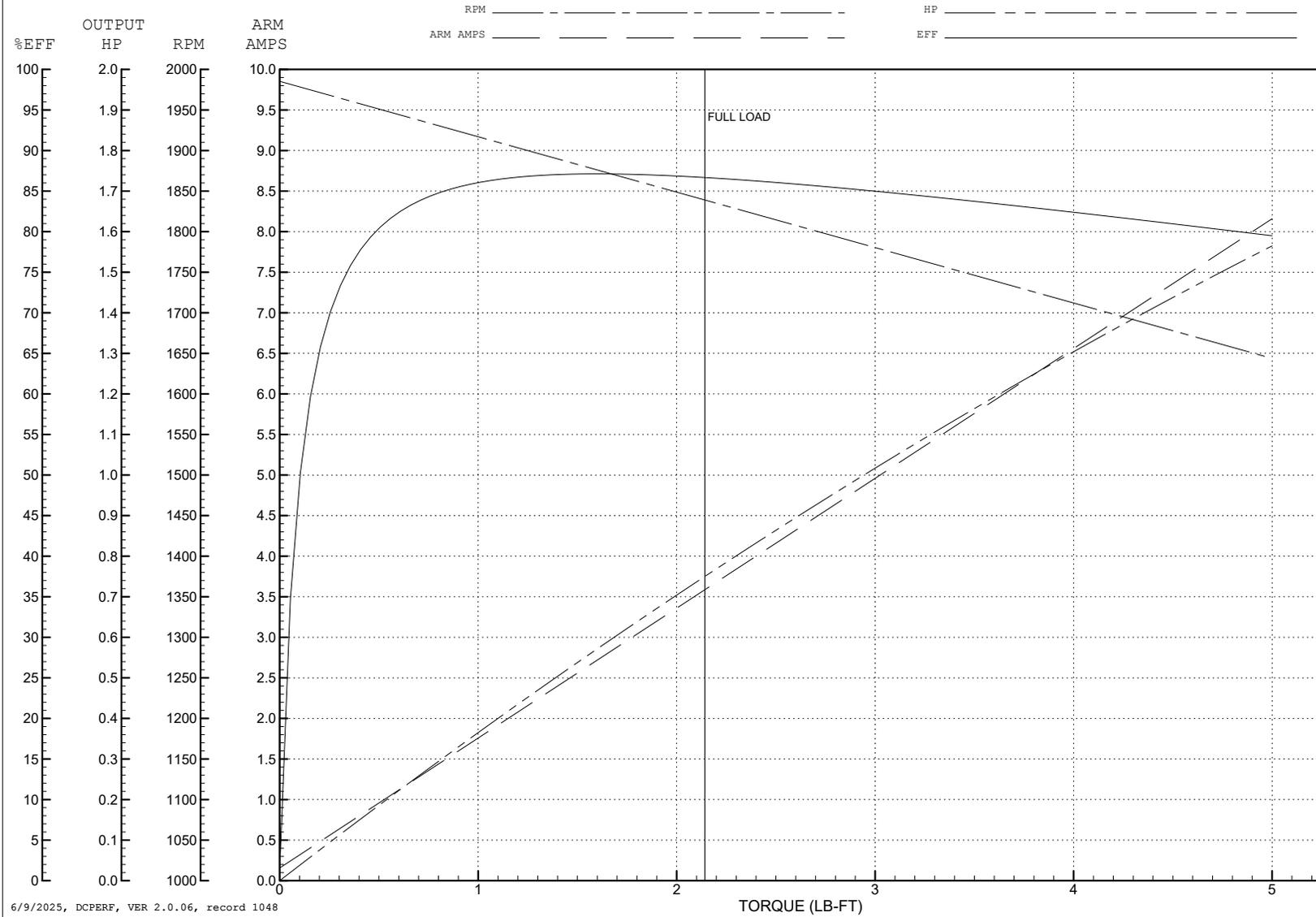
ABB Motors and Mechanical Inc.

WINDING # 34WG3946

0.75 HP DC 1750 RPM 180 V 3428P

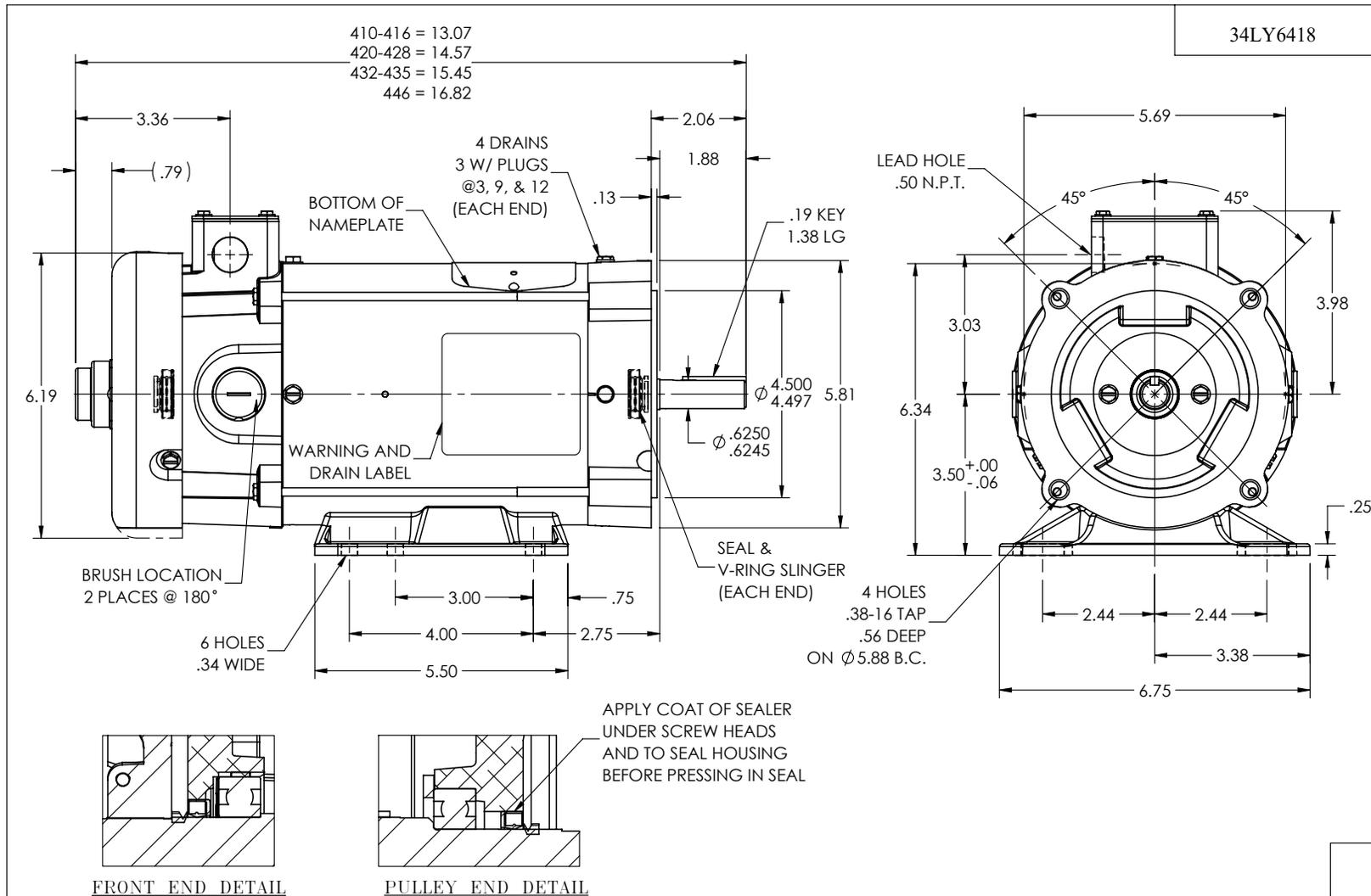
Typical performance - not guaranteed values.

ENCL: TEFC DUTY: CONT CL: F



6/9/2025, DCPERF, VER 2.0.06, record 1048

34LY6418



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

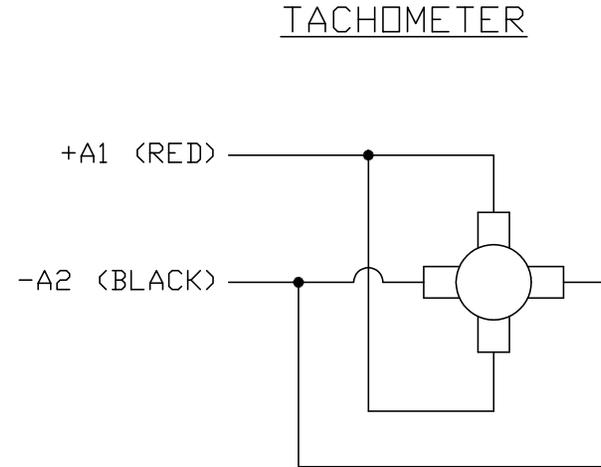
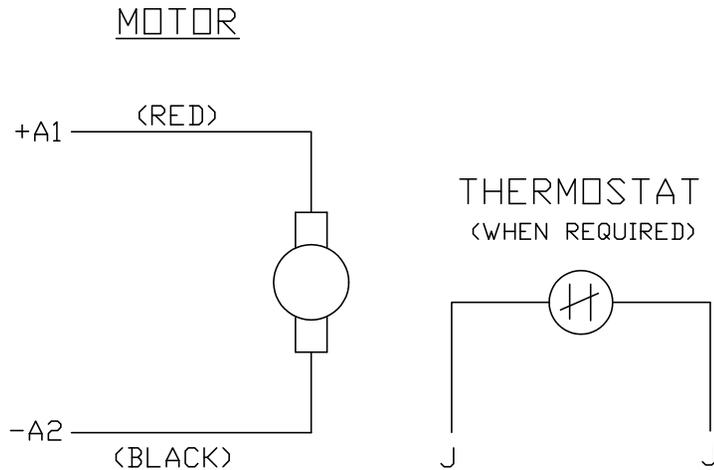
REV. DESC: LOAD TO SOLIDWORKS - REV L			
REV: M	VERSION: 05	REVISED: 10:00:26 12/27/2022	TDR: 000001201165
34LY6418	MODEL NO. 34LY6418	REF: -	
	BY: ENFRAJ0		

BALDOR - RELIANCE®

HORZ 34PM NEMA 56C TEFC WD (S/P009-000-004) W/MFTK

34LY6418

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 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