Customer information packet

CDPSWD3426

.5HP, 1750RPM, DC, 56C, 3428P, TEFC, F1
Class - None
Division -

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Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	TEFC
Frame	56C
Frame Material	Stainless Steel
Haz Area Class and Group	None
Output Power	0.500 HP
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Armature Current	2.5 a
Armature Inertia	10.926 lb-ft2
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	13.66 IN
Product Family	Wash Down Paint Free
Pulley End Bearing Type	Sealed Bearing
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding

Part Detail

Revision	AF
Type	DC
Mech. spec.	34-6694
Base	
Status	PRD/A
Elec. spec.	34WG3946
Layout	34LY6694
Eff. date	08-13-2026
CD Diagram	CD0194
Poles	00
Leads	
Proprietary	False
Created date	01-01-0001

Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger

Nameplate

NP1502			
CAT.NO.	CDPSWD3426		
SPEC.	34-6694-3946G1		
HP	.5	**ENCL**	TEFC
RPM	1750		
FRAME	56C	**TYPE**	3428P
ARM V	180	**ARM A**	2.5
FLD V		**FLD A**	
INSUL	F	**AMB.**	40
DUTY	CONT	**SUPPLY**	1.5
BRG/DE	6203	**BRG/ODE**	6203
BRUSHES	2/BP5000AW14		
		BLANK	
SER.			
BLANK			
APRV-CSA	**APRV-UL**		

DC Motor Performance Data
Record # 1433
Typical performance - not guaranteed values

Winding: 34WG3946-R006	**Type:** 3428P	**Enclosure:** TEFC

Nameplate Data		**General Characteristics**	
Rated Output (HP)	0.5	**Armature Resistance @ 25ºC**	2.728 Ω
R.P.M.	1750		
Armature Volts	180		
Armature Amps	2.5		
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	5.66	7.36	9.76	12.96	15.36	17.76
R.P.M.	1985	1750	1678	1576	1439	1337	1234
Torque (LB-FT)	0	3.44	4.5	6	8	9.5	11

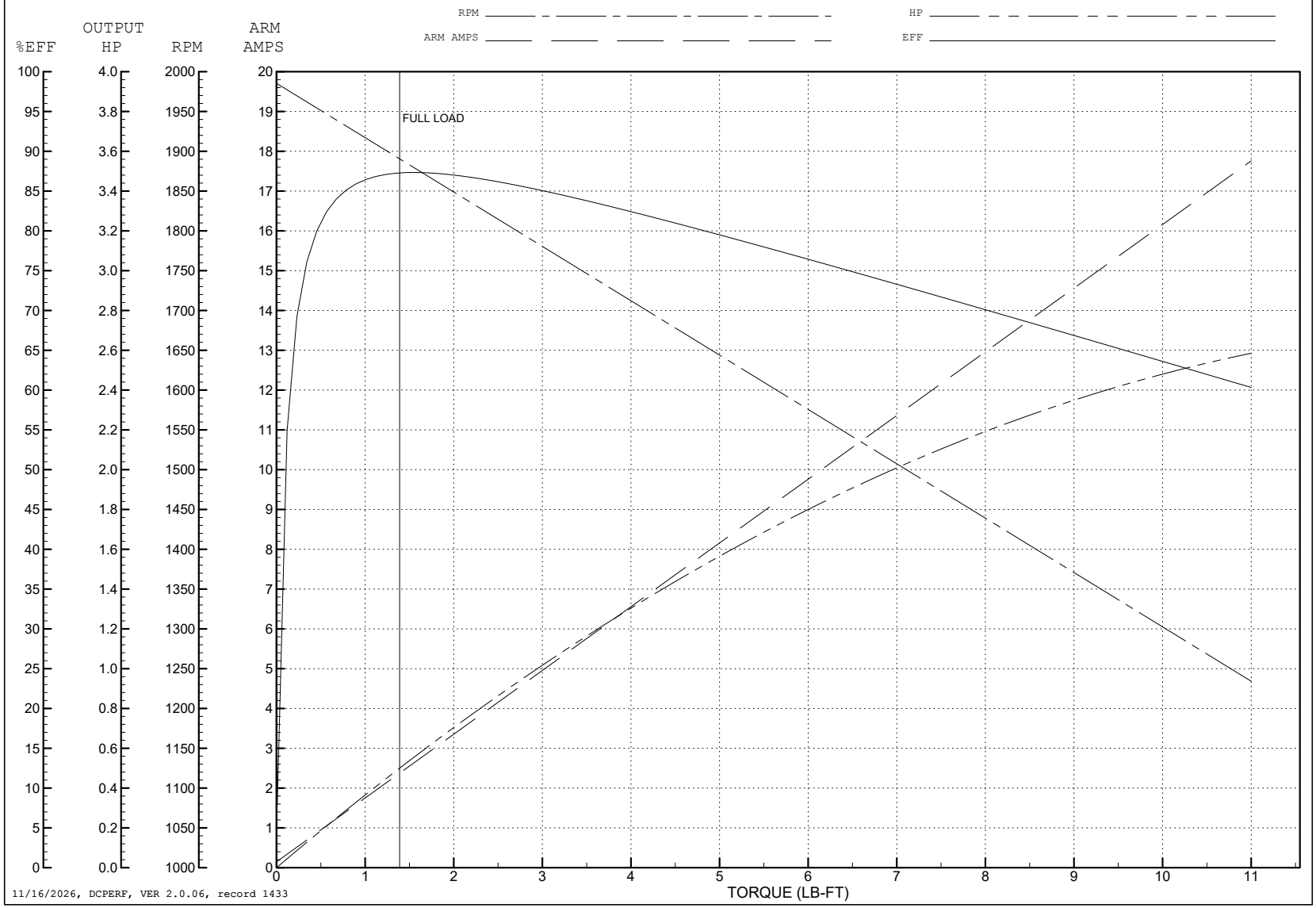
ABB Motors and Mechanical Inc.

WINDING # 34WG3946

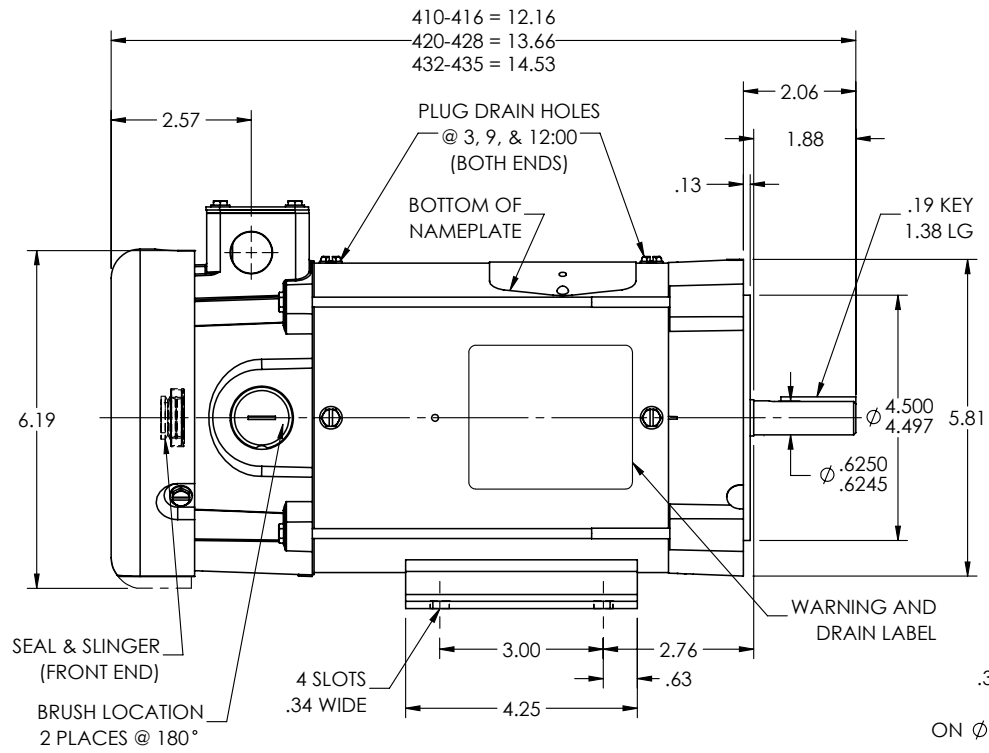
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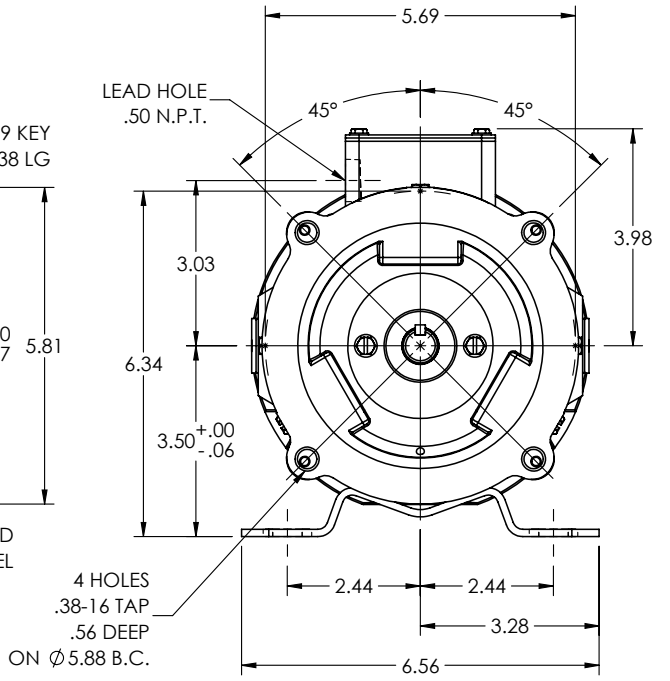
ENCL: TEFC DUTY: CONT CL: F

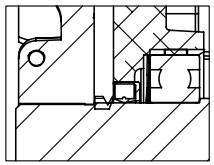
Typical performance - not guaranteed values.



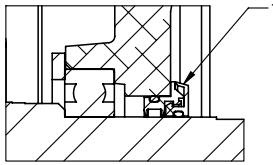
34LY6694







FRONT END DETAIL



PULLEY END DETAIL

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

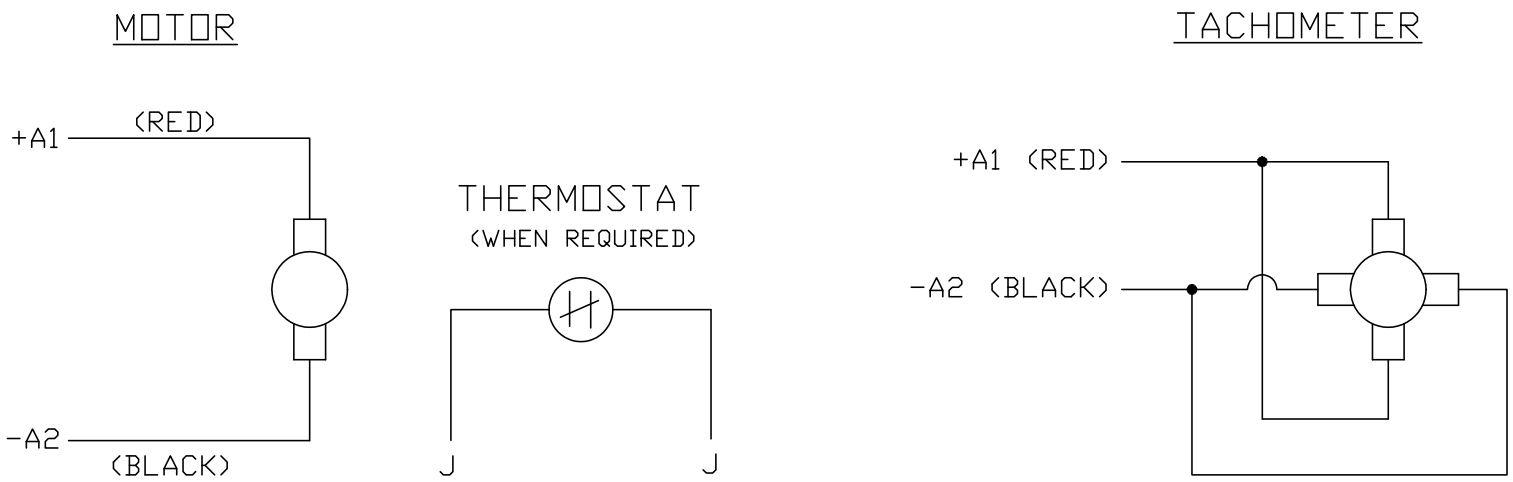
REV. DESC: LOAD TO SOLIDWORKS - REV C			
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34LY6694	MODEL NO. 34LY6694		REF: -
	BY: ENFRAJ0		

BALDOR - RELIANCE®

SPL HORZ 34PM NEMA 56C TEFC PAINT FREE WASHDOWN

34LY6694

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.

CD0194

MATL: –				BALDOR ELECTRIC Co.
REV: E	ADDED NOTE "LEAD COLORS FOR REFERENCE ONLY &....			
CD0194	SCALE: –	BY: CK	REVISED: 07/28/95	CD TYPE P DC PERMANENT MAGNET MOTORS AND TACHOMETERS
	FILE: AAA00004503		TDR: 0078737	