ABB BALDOR RELIANCE

Customer information packet

CDP3440-V24

.75HP, 1800RPM, DC, 56C, 3424P, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Armature Voltage	24 V
Base Speed	1800 rpm
Enclosure	TEFC
Frame	56C
Frame Material	Steel
Haz Area Class and Group	None
Output Power	0.750 HP
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Armature Current	29.4 a
Armature Inertia	8.264 lb-ft2
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Haz Area Division	Not Applicable
Heater Indicator	No Heater
Insulation Class	H
Lifting Lugs	No Lifting Lugs
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	14.51 IN
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End

Part Detail

Revision	M
Type	DC
Mech. spec.	34-6893
Base	
Status	PRD/A
Elec. spec.	34WGZ611
Layout	34LY6893
Eff. date	10-25-2024
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	No Slinger

Nameplate

NP0111L			
CAT.NO.	CDP3440-V24		
SPEC.	34-6893Z611		
HP	.75	**ENCL**	TEFC
RPM	1800		
FRAME	56C	**TYPE**	3424P
ARM V	24	**ARM A**	29.4
FLD V		**FLD A**	
INSUL	H	**AMB.**	40
DUTY	CONT	**SUPPLY**	A
BRG/DE	6203	**BRG/ODE**	6203
BRUSHES	2/BP5104BV01		
	BLANK		
SER.			
BLANK	---		
APRV-CSA	**APRV-UL**		

DC Motor Performance Data
Record # 499
Typical performance - not guaranteed values

Winding: 34WGZ611-R001	**Type:** 3424P	**Enclosure:** TEFC

Nameplate Data	
Rated Output (HP)	0.75
R.P.M.	1800
Armature Volts	24
Armature Amps	29.4
Field Volts	
Field Amps	
Rating - Duty	40C AMB-CONT
Power Supply Code	A

General Characteristics	
Armature Resistance @ 25ºC	0.0933 Ω
Voltage Constant	12.46 v/krpm
Armature Inductance	0.7493 mH
Armature Inertia	8.2643 LI²
Temp. Rise @ Rated Load	103°C

Load Characteristics at 24 Armature Volts

Load Point	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Armature Amps	2.28	8.05	14.05	19.8	25.8	31.68	37
R.P.M.	1900	1843	1772	1709	1635	1574	1493
Torque (LB-FT)	0	0.55	1.1	1.65	2.2	2.75	3.3

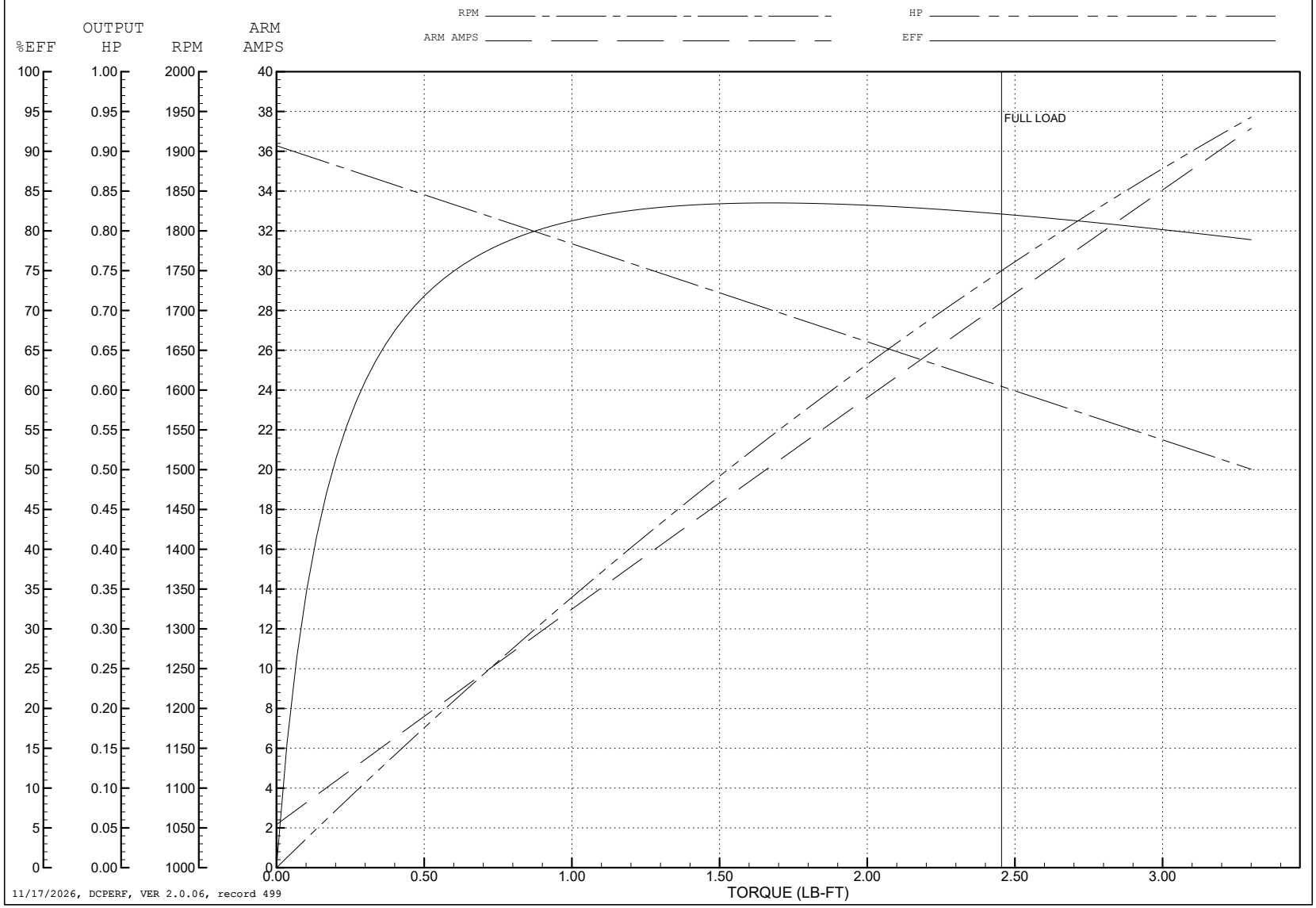
ABB Motors and Mechanical Inc.

WINDING # 34WGZ611

0.75 HP DC 1800 RPM 24 V 3424P

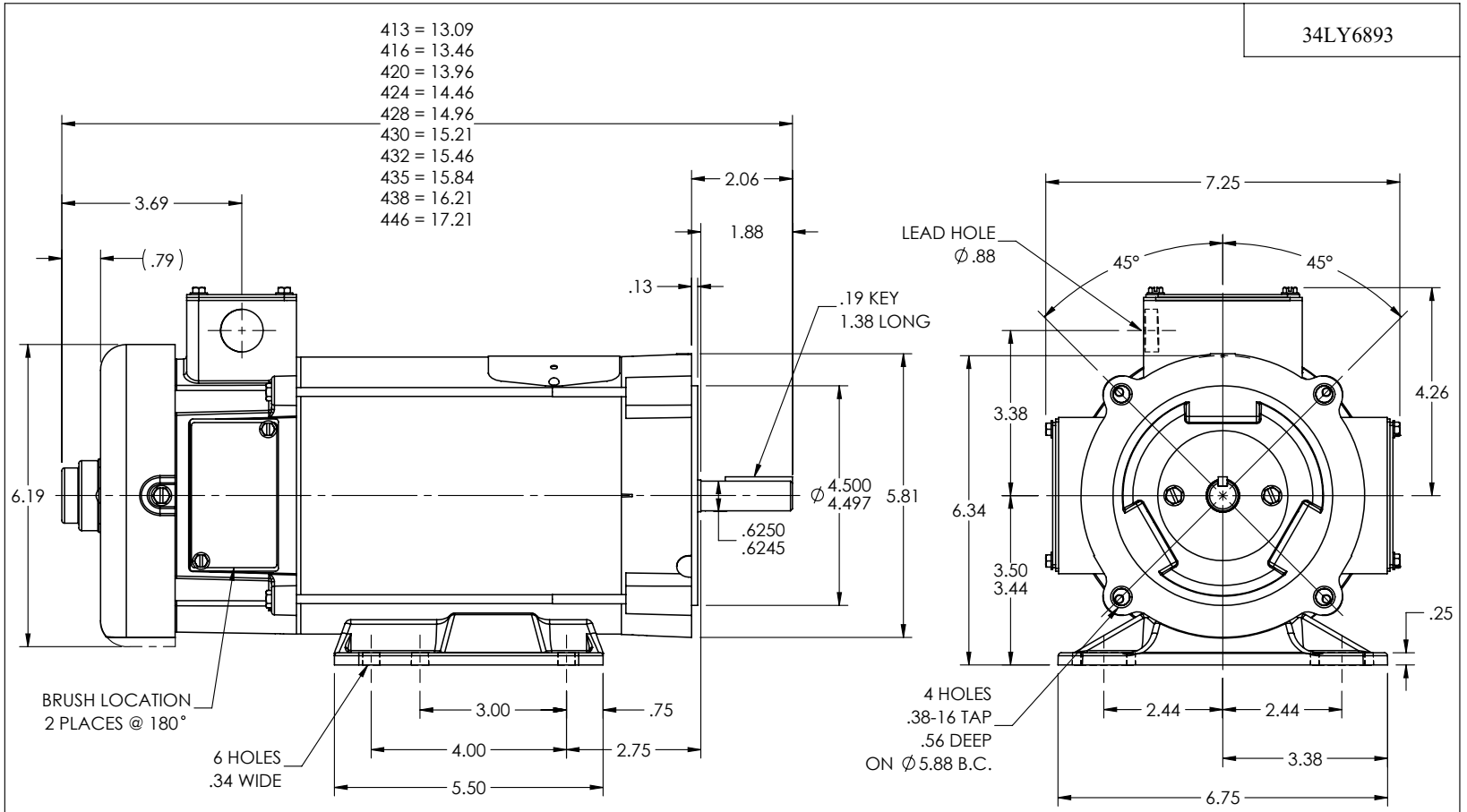
ENCL: TEFC DUTY: CONT CL: H

Typical performance - not guaranteed values.



11/17/2026, DCPERF, VER 2.0.06, record 499

34LY6893



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

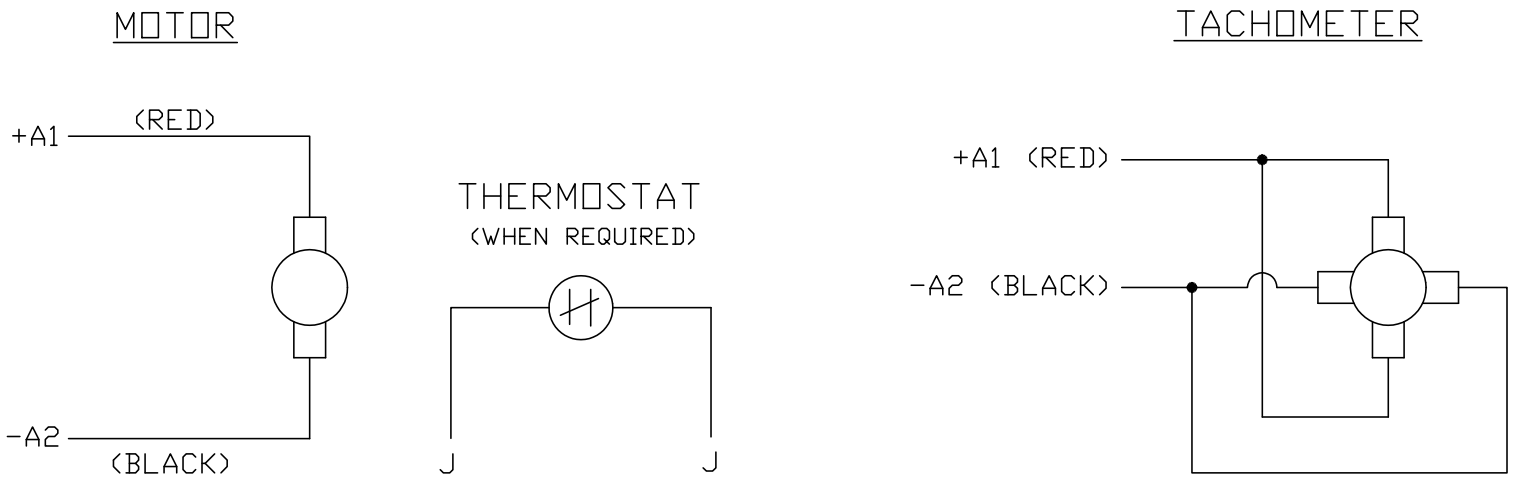
REV. DESC: LOAD TO SOLIDWORKS - REV H			
REV: J	VERSION: 07	REVISED: 04:35:03 12/27/2022	TDR: 000001201165
34LY6893	MODEL NO. 34LY6893		REF: -
	BY: ENFRAJ0		

BALDOR - RELIANCE®

STD HORZ 34PM NEMA 56C TEFC (HI DEMAG MOTOR)

34LY6893

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	