ABB BALDOR RELIANCE

Customer information packet

CDPX3575

1.5HP, 1750RPM, DC, 145TC, X3548P, XPFC, F1
Class - CLI GP D; CLII GP F,G
Division -

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Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	XPFC
Frame	145TC
Frame Material	Steel
Haz Area Class and Group	CLI GP D; CLII GP F,G
Output Power	1.500 HP
Agency Approvals	CSA
	UL
	UR
Ambient Temperature	40 °C
Armature Current	7.1 a
Armature Inertia	40.456 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 Temp Code	T3C
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	19.43 IN
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Service Factor	1.00
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End

Part Detail

Revision	AA
Type	DC
Mech. spec.	35P548
Base	
Status	PRD/A
Elec. spec.	35WGZ170
Layout	35LYP548
Eff. date	06-23-2023
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

NP0727XPSL					
NO.					
SER.					
SPEC.	35P548Z170G1				
CAT.NO.	CDPX3575	**T. CODE**	T3C		
HP	1.5	**ENCL**	XPFC		
RPM	1750				
FRAME	145TC	**TYPE**	3548P		
ARM V	180	**ARM A**	7.1		
FLD V		**FLD A**			
INSUL	F	**AMB.**	40		
DUTY	CONT	**SUPPLY**	K		
BRG/DE	6205	**BRG/ODE**	6203		
BRUSHES	2/BP5035AB01				
BLANK					

DC Motor Performance Data
Record # 1413
Typical performance - not guaranteed values

Winding: 35WGZ170-R010	**Type:** 3548P	**Enclosure:** XPFC

Nameplate Data	
Rated Output (HP)	1.5
R.P.M.	1750
Armature Volts	180
Armature Amps	7.1
Field Volts	
Field Amps	
Rating - Duty	40C AMB-CONT
Power Supply Code	K

General Characteristics	
Armature Resistance @ 25ºC	0.795 Ω
Armature Inductance	11.29 mH

Load Characteristics at 180 Armature Volts

Load Point	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Armature Amps	0.2	2.4	4.7	6.8	9	11.3	13.5
R.P.M.	1806	1796	1770	1741	1707	1671	1663
Torque (LB-FT)	0	1.5	3	4.5	6	7.5	9

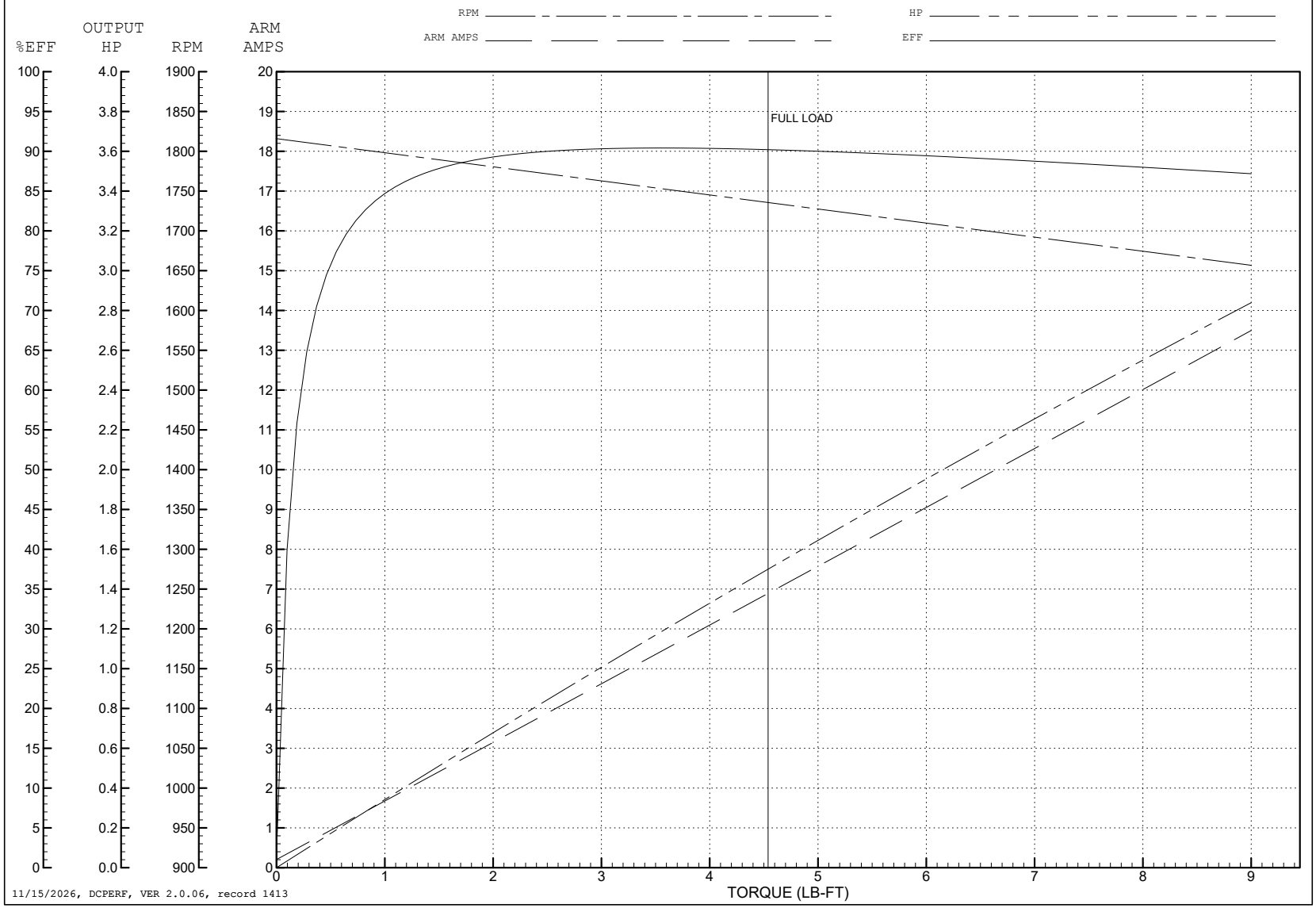
ABB Motors and Mechanical Inc.

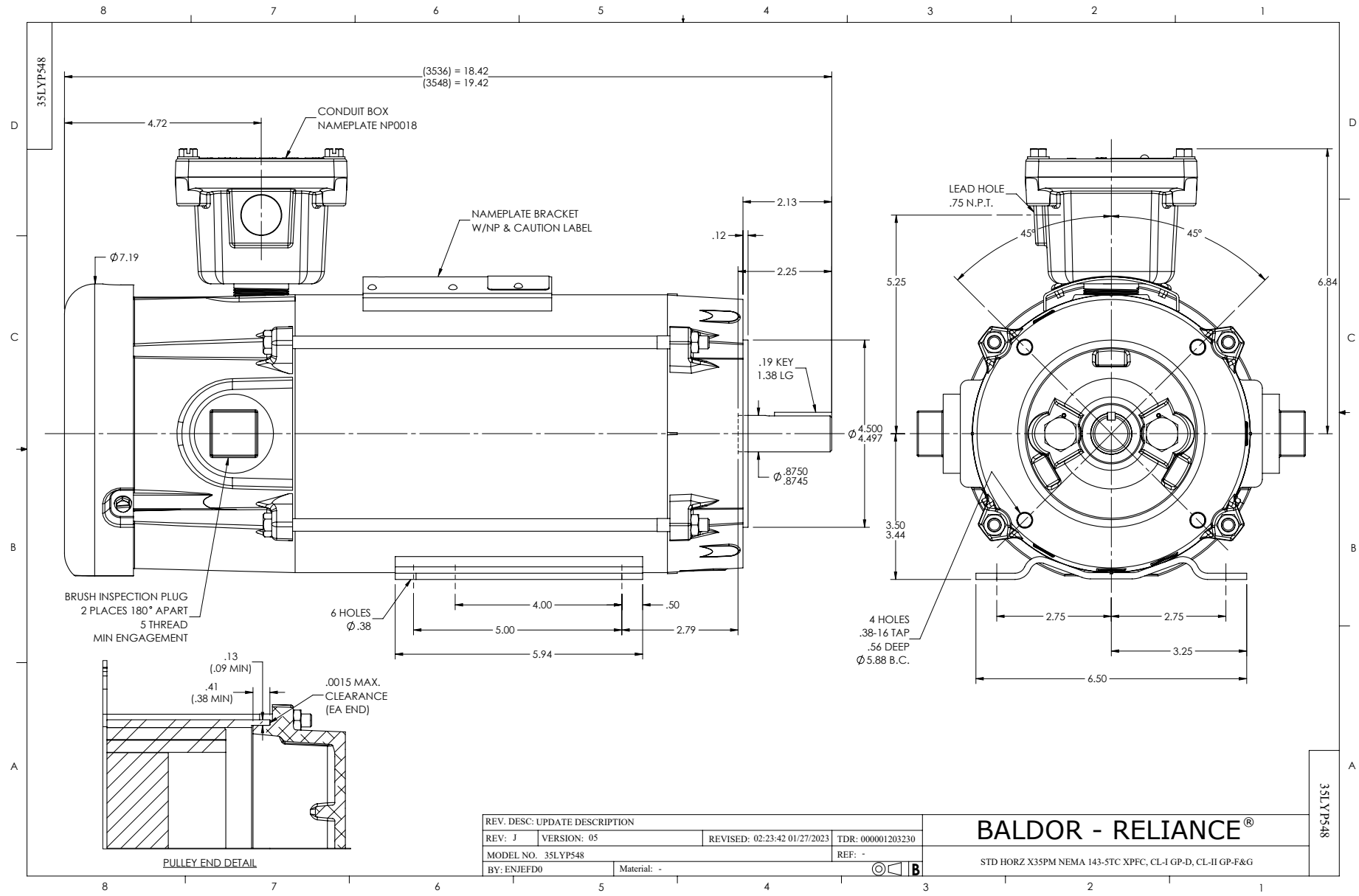
WINDING # 35WGZ170

1.5 HP DC 1750 RPM 180 V 3548P

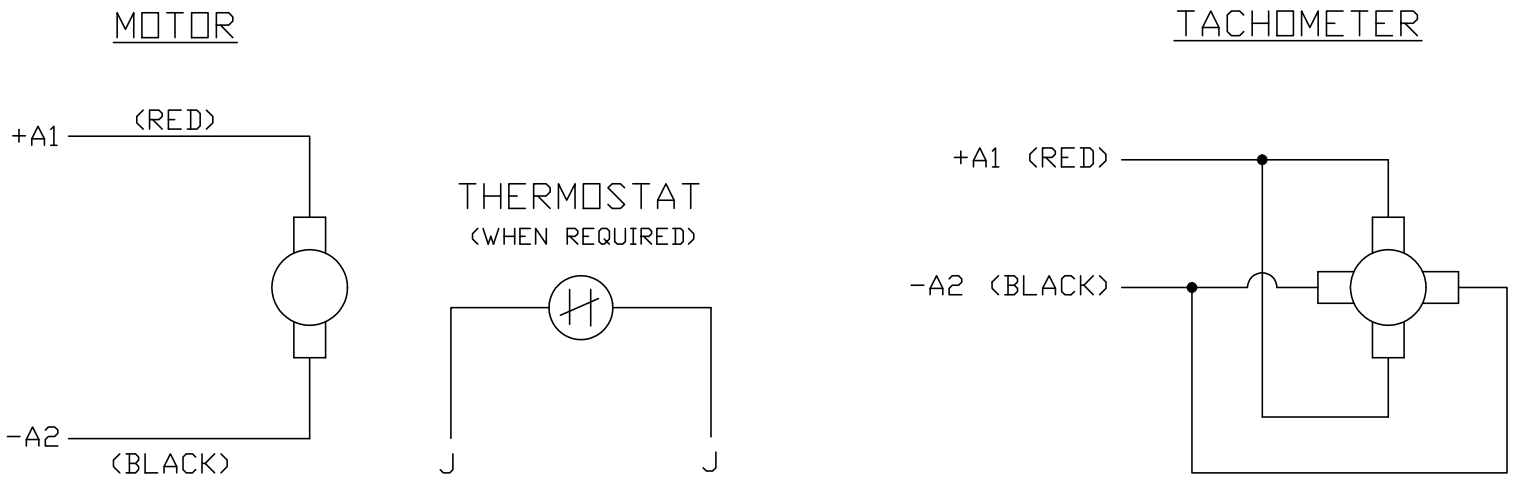
ENCL: XPFC DUTY: CONT CL: F

Typical performance - not guaranteed values.




35LYP548
(3536) = 18.42
(3548) = 19.42
4.72
CONDUIT BOX
NAMEPLATE NP0018
NAMEPLATE BRACKET
W/NP & CAUTION LABEL
Ø7.19
2.13
.12
2.25
.19 KEY
1.38 LG
Ø 4.500
4.497
Ø .8750
.8745
BRUSH INSPECTION PLUG
2 PLACES 180° APART
5 THREAD
MIN ENGAGEMENT
6 HOLES
Ø .38
4.00
.50
5.00
2.79
5.94
LEAD HOLE
.75 N.P.T.
45°
45°
5.25
6.84
3.50
3.44
4 HOLES
.38-16 TAP
.56 DEEP
Ø 5.88 B.C.
2.75
2.75
3.25
6.50
.13
(.09 MIN)
.41
(.38 MIN)
.0015 MAX.
CLEARANCE
(EA END)
PULLEY END DETAIL
REV. DESC: UPDATE DESCRIPTION
REV: J
VERSION: 05
REVISED: 02:23:42 01/27/2023
TDR: 000001203230
MODEL NO. 35LYP548
REF: -
BY: ENJEFD0
Material: -
B
BALDOR - RELIANCE®
STD HORZ X35PM NEMA 143-5TC XPFC, CL-I GP-D, CL-II GP-F&G
35LYP548

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	