Customer information packet

CDP3604

3HP, 1750RPM, DC, 184C, 3649P, TEFC, F1
Class - None
Division -

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Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	TEFC
Frame	184C
Frame Material	Steel
Haz Area Class and Group	None
Output Power	3.000 HP
Agency Approvals	CE
	CSA
	UR
Ambient Temperature	40 °C
Armature Current	14.0 a
Armature Inertia	107.110 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	Standard 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	22.69 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
Shaft Ground Indicator	No Shaft Grounding

Part Detail

Revision	AE
Type	DC
Mech. spec.	36P183
Base	
Status	PRD/A
Elec. spec.	36WGZ507
Layout	36LYP183
Eff. date	03-19-2026
CD Diagram	CD0194
Poles	00
Leads	
Proprietary	False
Created date	01-01-0001

Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger

Nameplate

NP0891L							
CAT.NO.	CDP3604						
SPEC.	36P183Z507						
HP	3/2.2KW		**ENCL**	TEFC			
RPM	1750 1/MIN 55KG IC411						
FRAME	184C		**TYPE**	3649P			
ARM V	180		**ARM A**	14			
FLD V			**FLD A**				
INSUL	F		**AMB.**	40			
DUTY	CONT			**SUPPLY**	K		
BRG/DE	6206			**BRG/ODE**	6206		
BRUSHES	2/BP5031A01						
				BLANK	IP44		
SER.							
BLANK							
APRV-CE	Y	**APRV-CSA**	Y	**APRV-UL**	Y		

Accessories

Part number	Description	Multiplier
TK3600PM	TACHO MOUNTING KIT FOR TK3600PM	A8

DC Motor Performance Data
Record # 311
Typical performance - not guaranteed values

Winding: 36WGZ507-R001	**Type:** 3649P	**Enclosure:** TEFC

Nameplate Data	
Rated Output (HP)	3
R.P.M.	1750
Armature Volts	180
Armature Amps	14
Field Volts	
Field Amps	
Rating - Duty	40C AMB-CONT
Power Supply Code	K

General Characteristics	
Armature Resistance @ 25ºC	0.3209 Ω

Load Characteristics at 180 Armature Volts

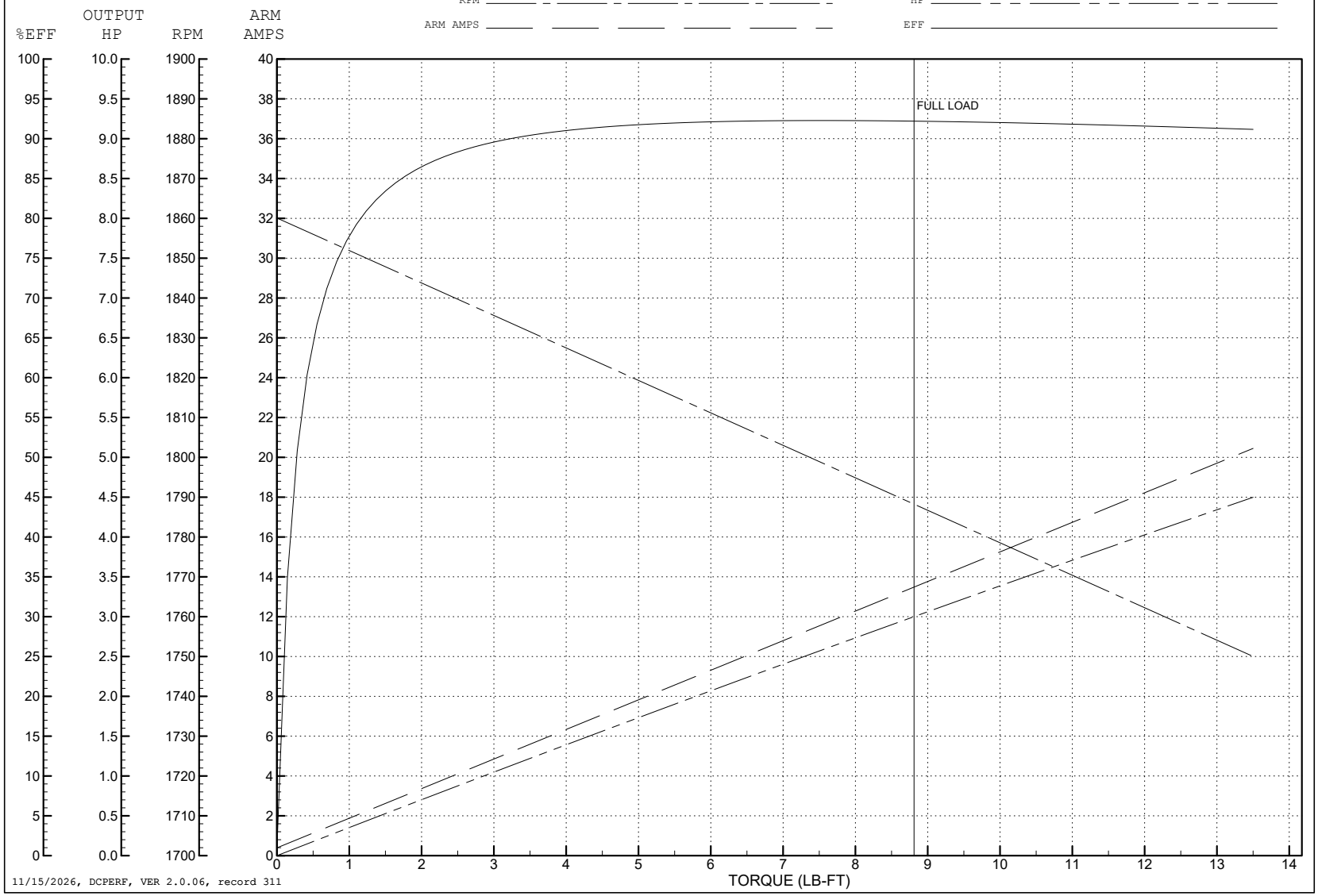
Load Point	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Armature Amps	0.4	3.37	6.34	9.01	12.28	13.51	20.45
R.P.M.	1860	1844	1827	1813	1795	1788	1750
Torque (LB-FT)	0	2	4	5.8	8	8.83	13.5

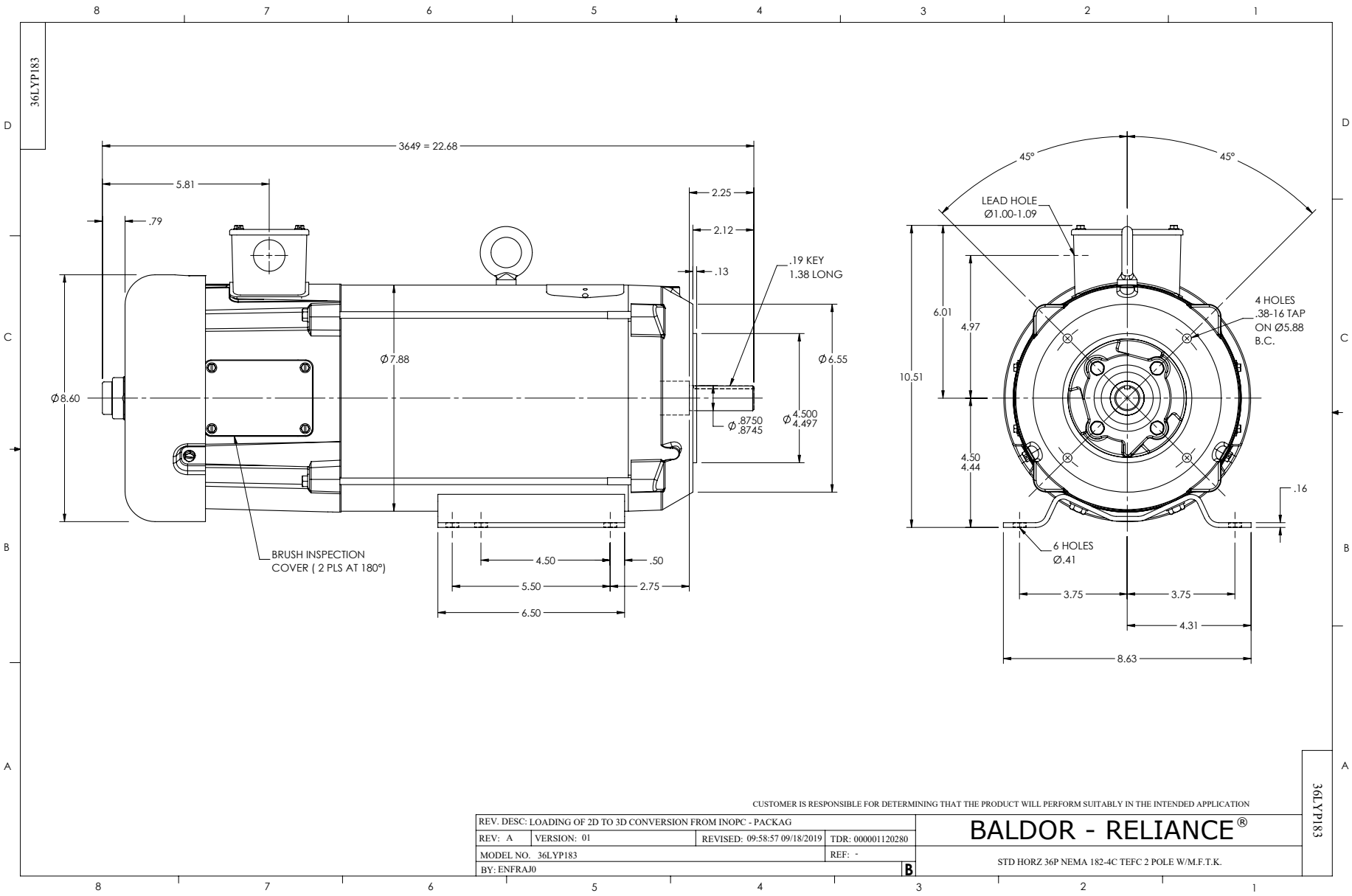
ABB Motors and Mechanical Inc.

WINDING # 36WGZ507

Typical performance - not guaranteed values.

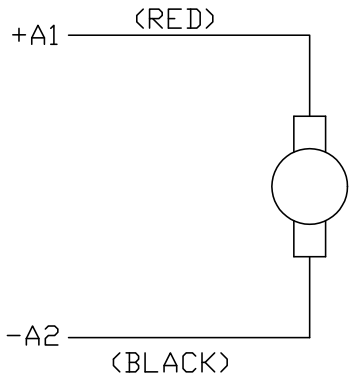
3 HP DC 1750 RPM 180 V 3649P
ENCL: TEFC DUTY: CONT CL: F



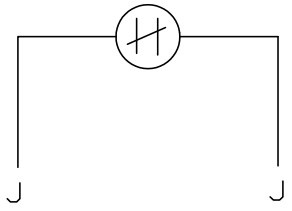

36LYP183
3649 = 22.68
5.81
.79
2.25
2.12
.13
.19 KEY
1.38 LONG
Ø7.88
Ø8.60
Ø6.55
Ø .8750
.8745
Ø 4.500
4.497
BRUSH INSPECTION
COVER (2 PLS AT 180°)
4.50
.50
5.50
2.75
6.50
45°
45°
LEAD HOLE
Ø1.00-1.09
6.01
4.97
10.51
4.50
4.44
4 HOLES
.38-16 TAP
ON Ø5.88
B.C.
.16
6 HOLES
Ø.41
3.75
3.75
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF 2D TO 3D CONVERSION FROM INOPC - PACKAG
REV: A
VERSION: 01
REVISED: 09:58:57 09/18/2019
TDR: 000001120280
MODEL NO. 36LYP183
REF: -
BY: ENFRAJ0
B
BALDOR - RELIANCE®
STD HORZ 36P NEMA 182-4C TEFC 2 POLE W/M.F.T.K.
36LYP183

CD0194

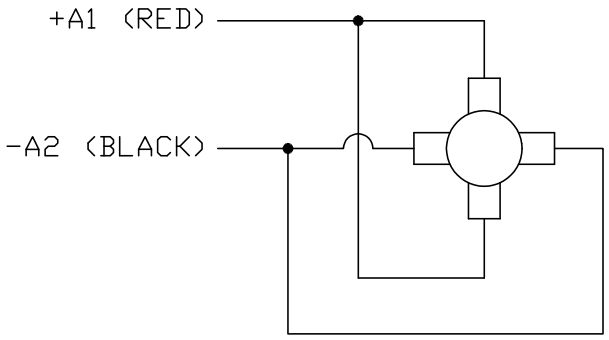
MOTOR



THERMOSTAT
(WHEN REQUIRED)



TACHOMETER



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	