ABB BALDOR RELIANCE

Customer information packet

VP3468D

1.1/1.5HP, 3000RPM, DC, D90D, 3432P, TEFC, F2
Class - None
Division -

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11/18/2026 7:35:00 PM

Specifications

Armature Voltage	180 V
Base Speed	3000 rpm
Enclosure	TEFC
Frame	D90D
Frame Material	Steel
Haz Area Class and Group	None
Output Power	1.500 HP
Agency Approvals	CE
	CSA
	UR
Ambient Temperature	40 °C
Armature Current	7.7 a
Armature Inertia	12.486 lb-ft2
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	D
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	IEC
Mounting Arrangement	B35
Overall Length	15.74 IN
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Service Factor	1.00
Shaft Diameter	0.945 IN
Shaft Extension Location	Pulley End

Part Detail

Revision	N
Type	DC
Mech. spec.	34-6484
Base	
Status	PRD/A
Elec. spec.	34WGZ178
Layout	34LY6484
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

NP1049L					
CAT.NO.	VP3468D				
SPEC.	34-6484Z178				
KW/HP	1.1/1.5 TE		**I.P.**	54	
RPM	3000 TE				
IEC FRAME	D90D	**TYPE**	3432P		
ARM V	180		**ARM A**	7.7	
FLD V			**FLD A**		
INSUL	F	**AMB.**	40		
DUTY	CONT		**SUPPLY**	1.5	
BRG/DE	6205	**BRG/ODE**	6203		
BRUSHES	2/BP5000AW14				
			BLANK		
SER.					
BLANK					
APRV-CE		**APRV-CSA**		**APRV-UL**	

Accessories

Part number	Description	Multiplier
TK3400	TACHO MOUNTING KIT FOR TK3400	A8
TK3400-HPU	HPU10 MOUNTING KIT 34P/35P TEFC	

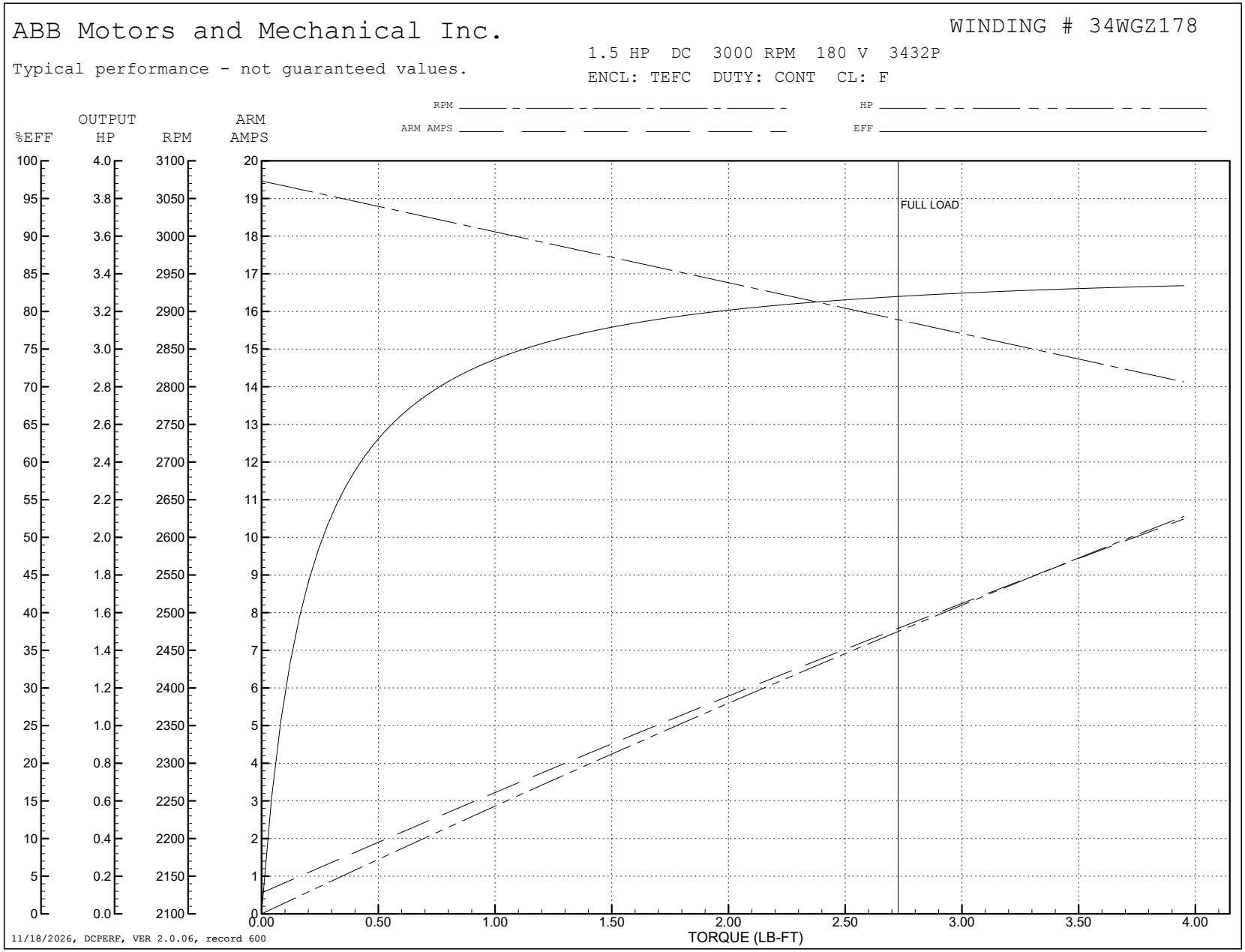
DC Motor Performance Data
Record # 600
Typical performance - not guaranteed values

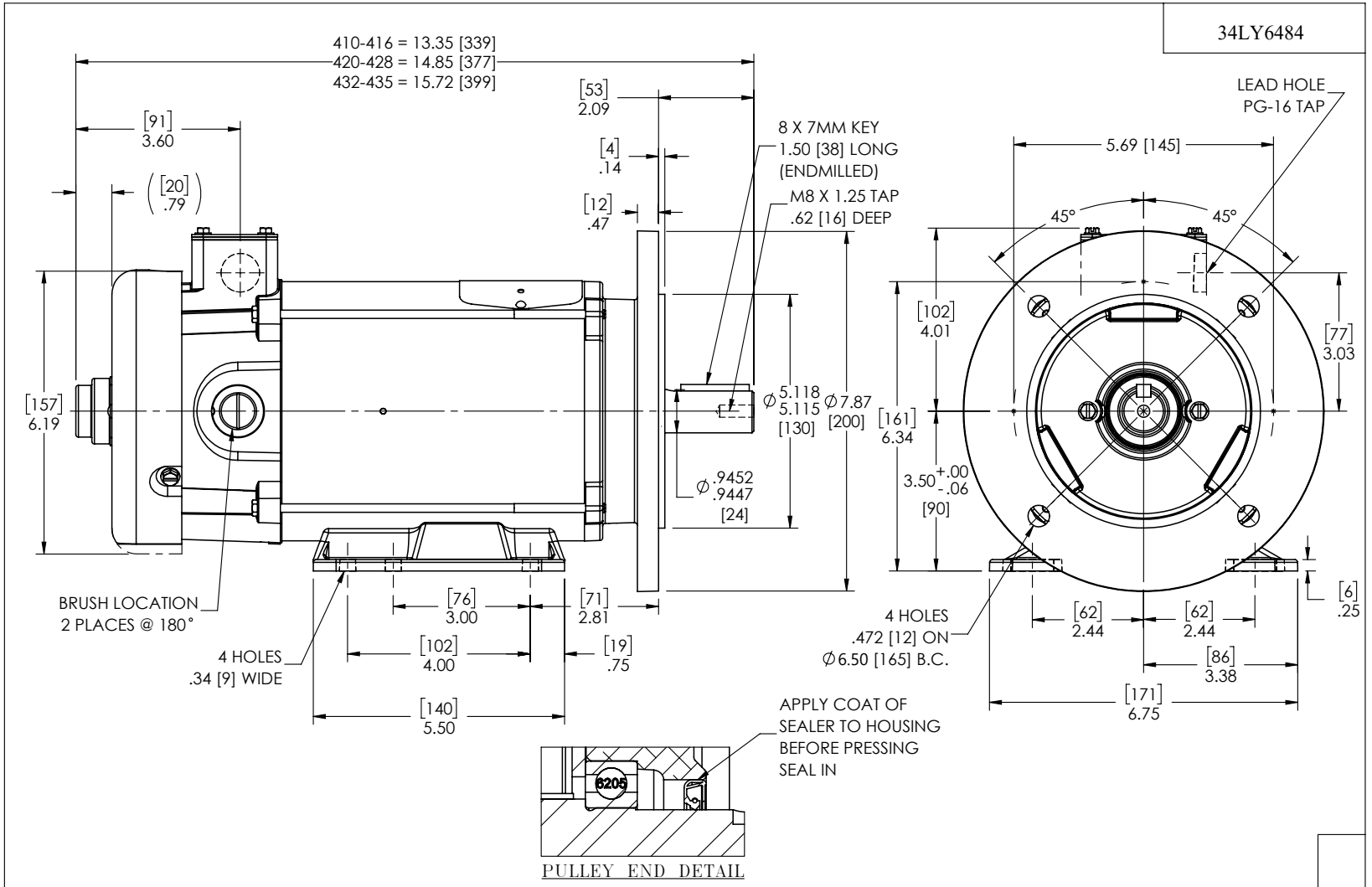
Winding: 34WGZ178-R001	**Type:** 3432P	**Enclosure:** TEFC

Nameplate Data		**General Characteristics**	
Rated Output (HP)	1.5	**Armature Resistance @ 25ºC**	0.8865 Ω
R.P.M.	3000		
Armature Volts	180		
Armature Amps	7.7		
Field Volts		**Armature Inductance**	9.116 mH
Field Amps			
Rating - Duty	40C AMB-CONT		
Form Factor	1.5		

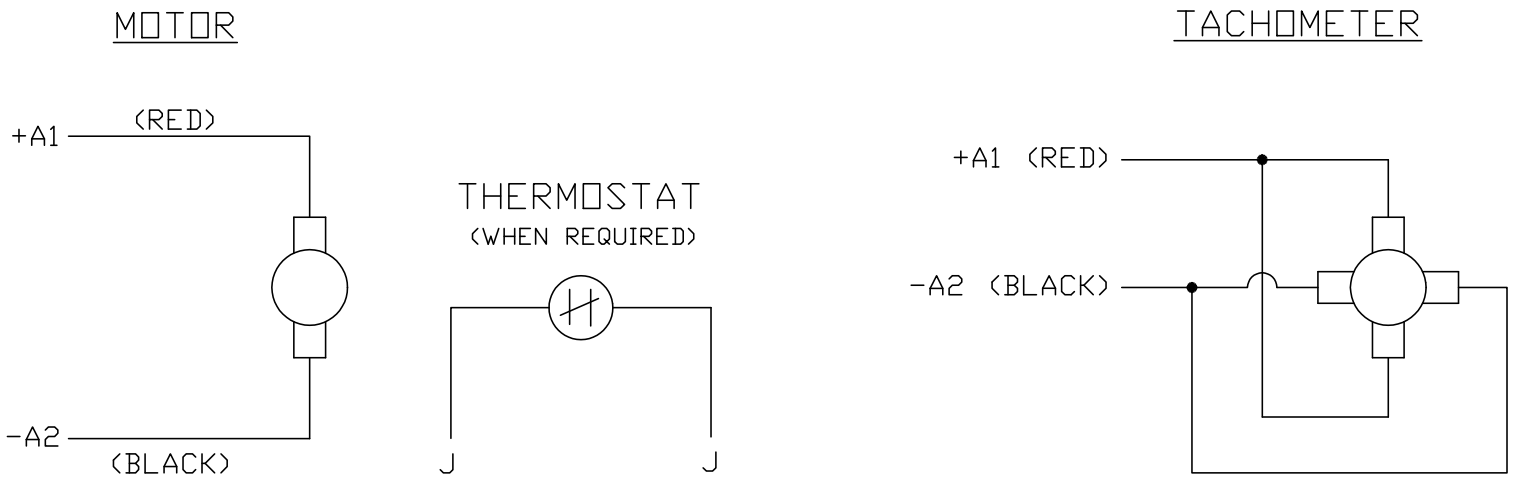
Load Characteristics at 180 Armature Volts

Load Point	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Armature Amps	0.51	2.41	4.04	5.73	7.3	8.91	10.52
R.P.M.	3083	3018	2983	2934	2902	2855	2804
Torque (LB-FT)	0	0.66	1.32	1.97	2.63	3.29	3.95


ABB Motors and Mechanical Inc.
WINDING # 34WGZ178
1.5 HP DC 3000 RPM 180 V 3432P
ENCL: TEFC DUTY: CONT CL: F
Typical performance - not guaranteed values.
RPM
ARM AMPS
HP
EFF
%EFF
OUTPUT HP
RPM
ARM AMPS
FULL LOAD
TORQUE (LB-FT)
11/18/2026, DCPERF, VER 2.0.06, record 600


34LY6484
410-416 = 13.35 [339]
420-428 = 14.85 [377]
432-435 = 15.72 [399]
[91] 3.60
([20] .79)
[53] 2.09
[4] .14
[12] .47
8 X 7MM KEY
1.50 [38] LONG
(ENDMILLED)
M8 X 1.25 TAP
.62 [16] DEEP
[157] 6.19
Ø5.118 Ø5.115 [130]
Ø7.87 [200]
Ø.9452 .9447 [24]
BRUSH LOCATION
2 PLACES @ 180°
4 HOLES
.34 [9] WIDE
[76] 3.00
[71] 2.81
[102] 4.00
[19] .75
[140] 5.50
LEAD HOLE
PG-16 TAP
5.69 [145]
45°
45°
[102] 4.01
[77] 3.03
[161] 6.34
3.50 +.00 -.06 [90]
[6] .25
4 HOLES
.472 [12] ON
Ø6.50 [165] B.C.
[62] 2.44
[62] 2.44
[86] 3.38
[171] 6.75
APPLY COAT OF
SEALER TO HOUSING
BEFORE PRESSING
SEAL IN
6205
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD TO SOLIDWORKS - REV "-"
REV: A
VERSION: 01
REVISED: 01:22:13 12/27/2022
TDR: 000001201165
BALDOR - RELIANCE®
34LY6484
MODEL NO. 34LY6484
REF: -
BY: ENFRAJ0
STD HOR 34PM TEFC IEC D90D-B35 F2 W/NEMA BASE & MTG/M.F.T.K.
34LY6484

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	