ABB BALDOR RELIANCE

Customer information packet

35P617Z164

1.5HP, 1750RPM, DC, 56C, 3536P, TEFC, F1

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Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	TEFC
Output Power	1.500 HP
Ambient Temperature	40 °C
Armature Current	7.7 a
Armature Inertia	30.342 lb-ft2
Duty Rating	CONT
Motor Lead Quantity/Wire Size	2 @ 14 AWG
Mounting Arrangement	F1
Overall Length	0.00 IN
Service Factor	1.00
Shaft Diameter	0.000 IN

Part Detail

Revision	F
Type	DC
Mech. spec.	35P617
Base	
Status	NLA/A
Elec. spec.	35WGZ164
Layout	35LYP617
Eff. date	03-20-2005
CD Diagram	CD0194
Poles	00
Leads	
Proprietary	False
Created date	01-01-0001

Nameplate

NP0111L					
CAT.NO.					
SPEC.	35P617Z164				
HP	1 1/2	**ENCL**	TEFC		
RPM	1750				
FRAME	56C	**TYPE**	PM3536P		
ARM V	180	**ARM A**	7.7		
FLD V		**FLD A**			
INSUL	F	**AMB.**	40C		
DUTY	CONT	**SUPPLY**	K		
BRG/DE	6205	**BRG/ODE**	6205		
BRUSHES	2/BP5000T15				
	BLANK				
SER.					
BLANK					
APRV-CSA	**APRV-UL**				

DC Motor Performance Data
Record # 388
Typical performance - not guaranteed values

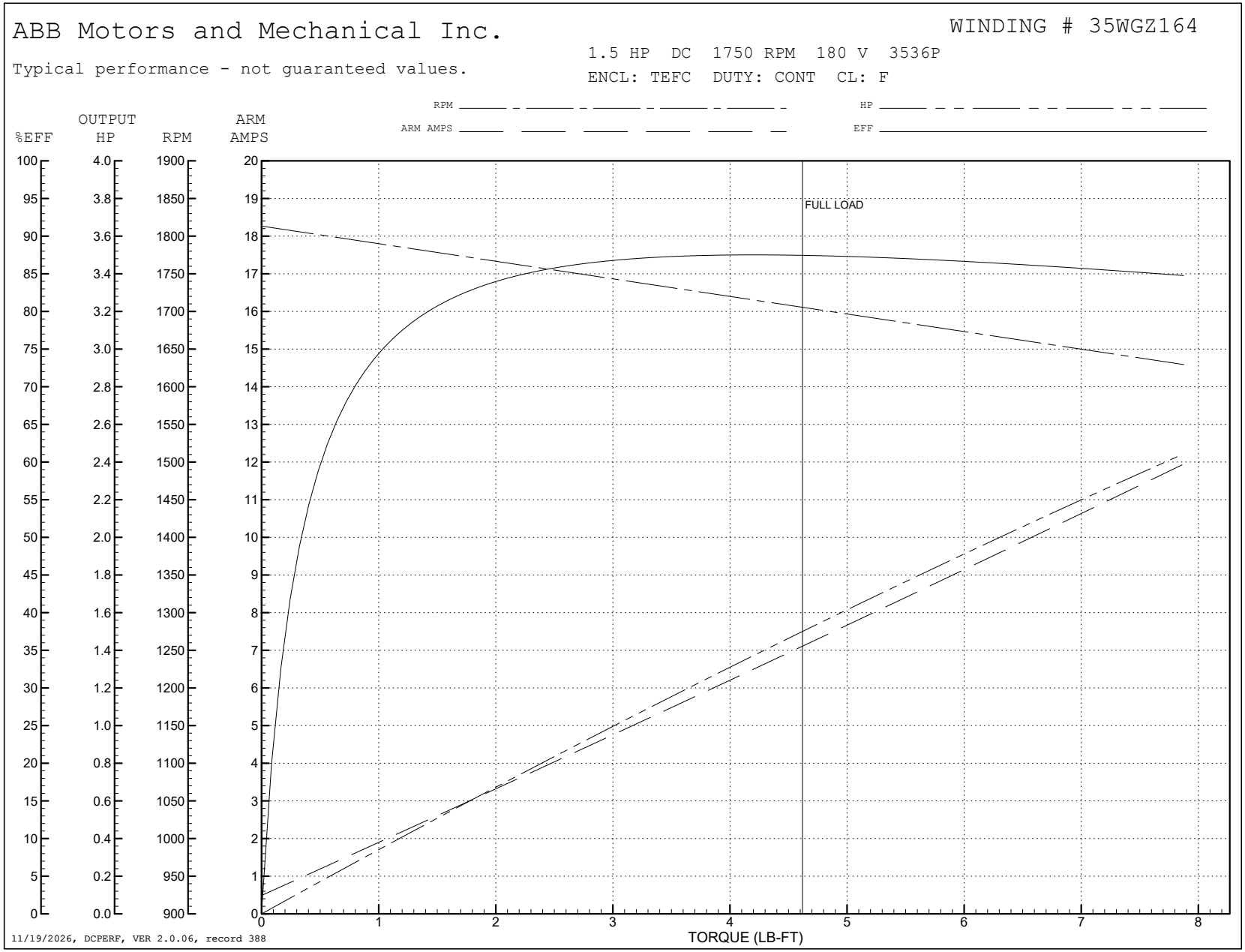
Winding: 35WGZ164-R001	**Type:** 3536P	**Enclosure:** TEFC

Nameplate Data	
Rated Output (HP)	1.5
R.P.M.	1750
Armature Volts	180
Armature Amps	7.7
Field Volts	
Field Amps	
Rating - Duty	40C AMB-CONT
Power Supply Code	K

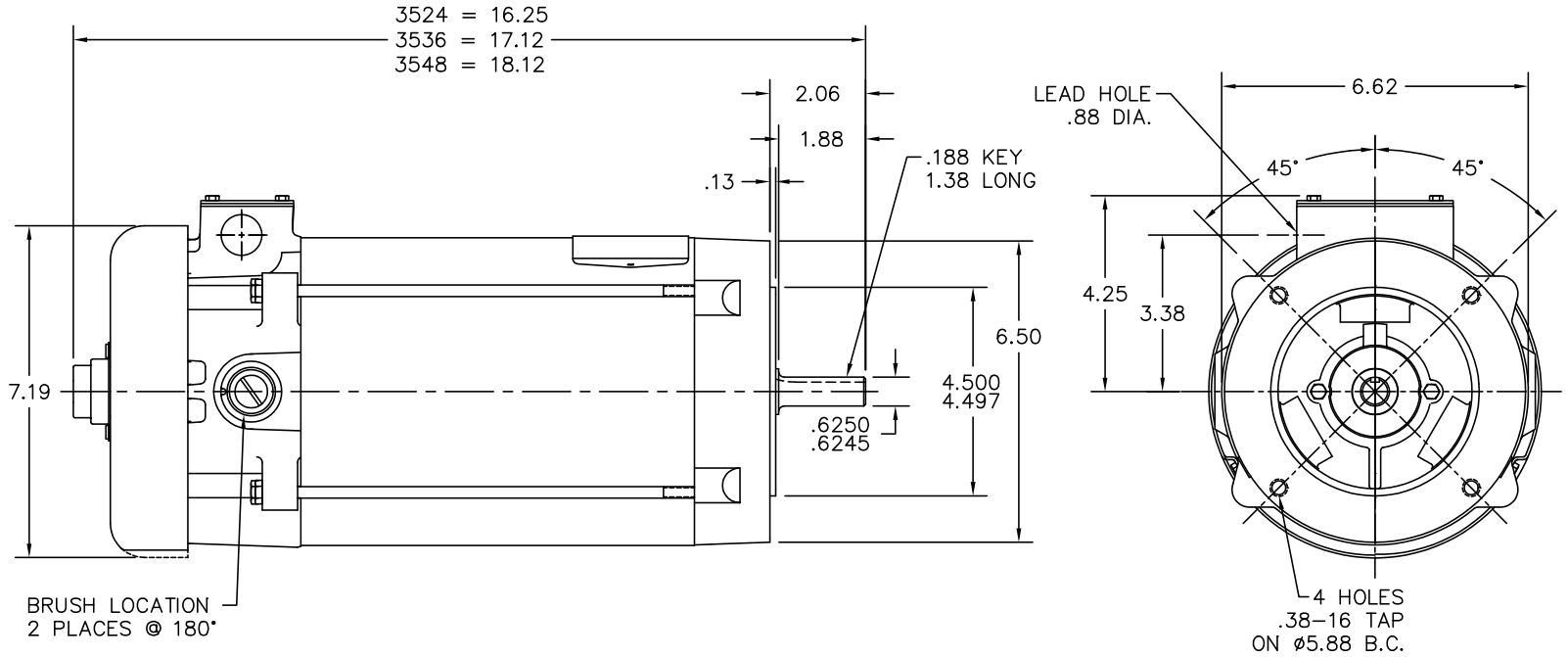
General Characteristics	
Armature Resistance @ 25ºC	0.965 Ω
Voltage Constant	97.47 v/krpm
Armature Inductance	12.959 mH
Armature Inertia	30.342 LI²

Load Characteristics at 180 Armature Volts

Load Point	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Armature Amps	0.5	3.6	5.4	7	8.5	10.2	12
R.P.M.	1819	1762	1727	1701	1682	1661	1632
Torque (LB-FT)	0	2.25	3.375	4.5	5.625	6.75	7.875


ABB Motors and Mechanical Inc.
WINDING # 35WGZ164
1.5 HP DC 1750 RPM 180 V 3536P
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)
11/19/2026, DCPERF, VER 2.0.06, record 388

35P617



CUST. NAME	CUST. P.O.	CERTIFIED BY	MODEL	INSUL	AMB
H.P.	MTG	TYPE	R.P.M.	VOLTS	ENCL	PHASE	FREQ	FRAME
REMARKS:								
REV: – NEW								

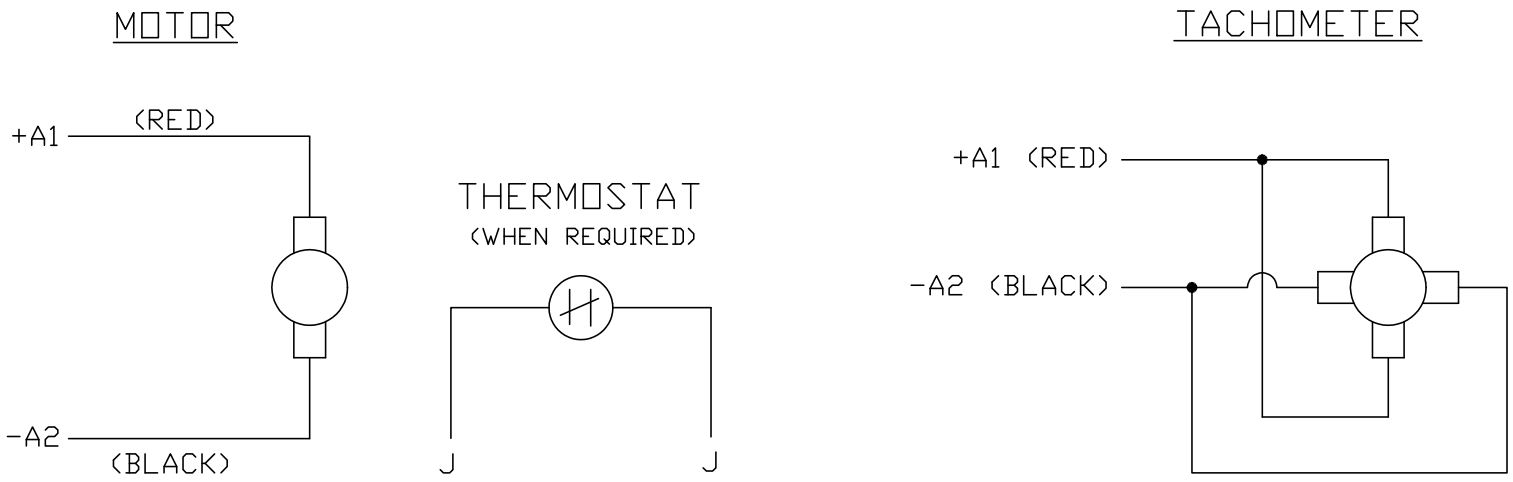
BALDOR ELECTRIC Co.

35P617	REF: 35P430	BY: FN	REVISED: 05/30/96
	FILE: AAA00031680		TDR: 0098051

STD VERT 35PM TEFC NEMA 56C W/M.F.T.K.

35P617

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	