ABB BALDOR RELIANCE

Customer information packet

33-2323Z155G1

1HP, 1750RPM, DC, 56Z, 3336P, TENV, F1

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Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	TENV
Output Power	1.000 HP
Agency Approvals	CE
	CSA
	UR
Ambient Temperature	40 °C
Armature Current	4.9 a
Armature Inertia	8.424 lb-ft2
Duty Rating	30 MIN
Motor Lead Quantity/Wire Size	2 @ 18 AWG
Mounting Arrangement	F1
Overall Length	0.00 IN
Service Factor	1.00
Shaft Diameter	0.000 IN

Part Detail

Revision	D
Type	DC
Mech. spec.	33-2323
Base	
Status	NLA/A
Elec. spec.	33WGZ155
Layout	33LY2323
Eff. date	03-19-2005
CD Diagram	CD0194
Poles	00
Leads	2#18 A Y
Proprietary	False
Created date	01-01-0001

Nameplate

NP0891					
SPEC.	33-2323Z155G1				
HP	1	**ENCL**	TENV		
RPM	1750				
FRAME	56Z	**TYPE**	PM3336P		
ARM V	180	**ARM A**	4.9		
FLD V		**FLD A**			
INSUL	F	**AMB.**	40C		
DUTY	30 MIN	**SUPPLY**	K		
BRG/DE	6205	**BRG/ODE**	6203		
BRUSHES	2/BP5000AW14				
		BLANK			
SER.					
BLANK					
APRV-CE	Y	**APRV-CSA**	Y	**APRV-UL**	Y

DC Motor Performance Data
Record # 2860
Typical performance - not guaranteed values

Winding: 33WGZ155-R002	**Type:** 3336P	**Enclosure:** TENV

Nameplate Data	
Rated Output (HP)	1
R.P.M.	1750
Armature Volts	180
Armature Amps	4.9
Field Volts	
Field Amps	
Rating - Duty	40C AMB-30 MIN
Power Supply Code	K

General Characteristics	
Armature Resistance @ 25ºC	3.138 Ω
Voltage Constant	95.88 v/krpm
Armature Inductance	29.695 mH
Armature Inertia	8.4241 LI²

Load Characteristics at 180 Armature Volts

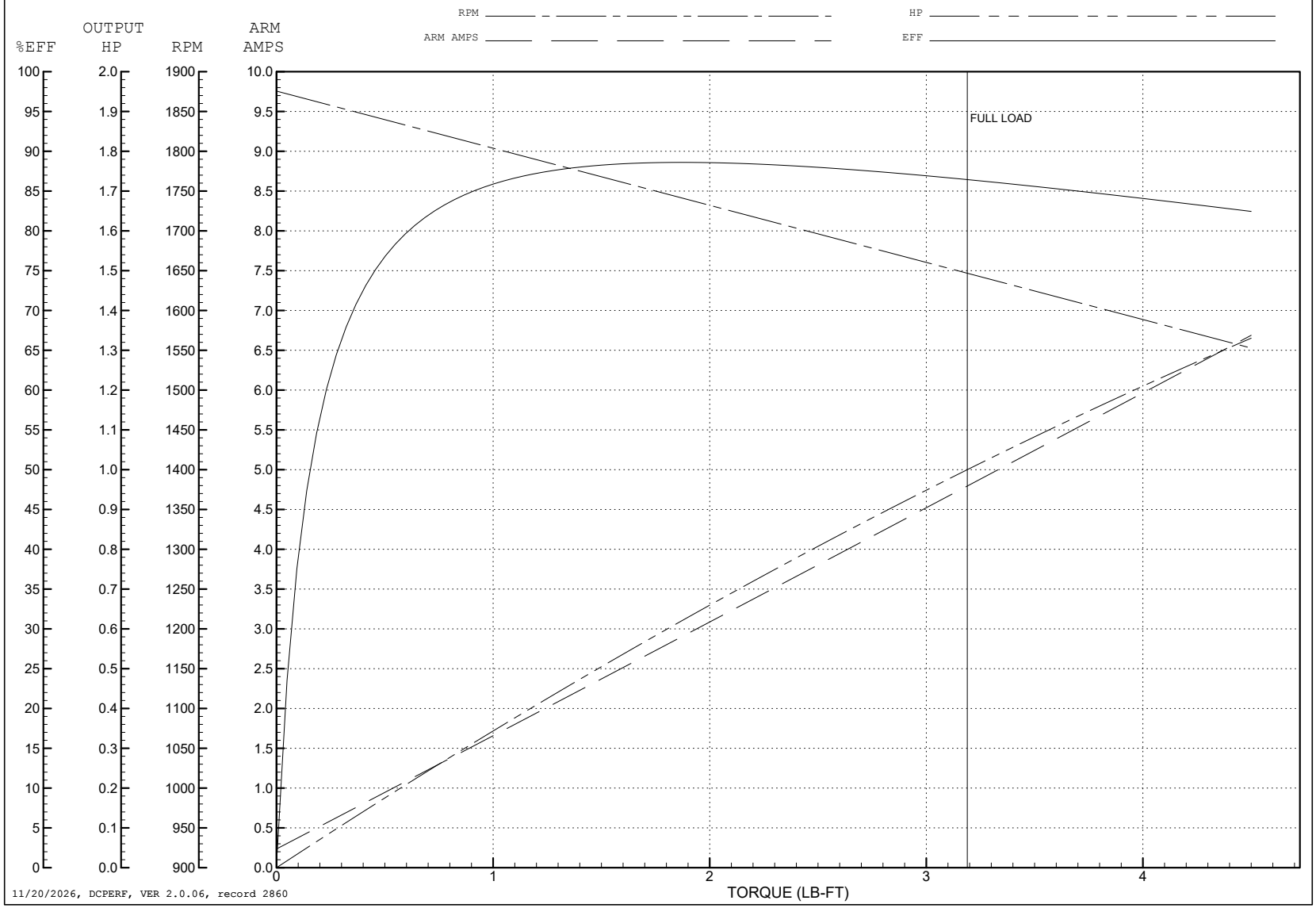
Load Point	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Armature Amps	0.21	1.34	2.4	3.41	4.51	5.6	6.7
R.P.M.	1882	1818	1764	1714	1655	1613	1553
Torque (LB-FT)	0	0.75	1.5	2.25	3	3.75	4.5

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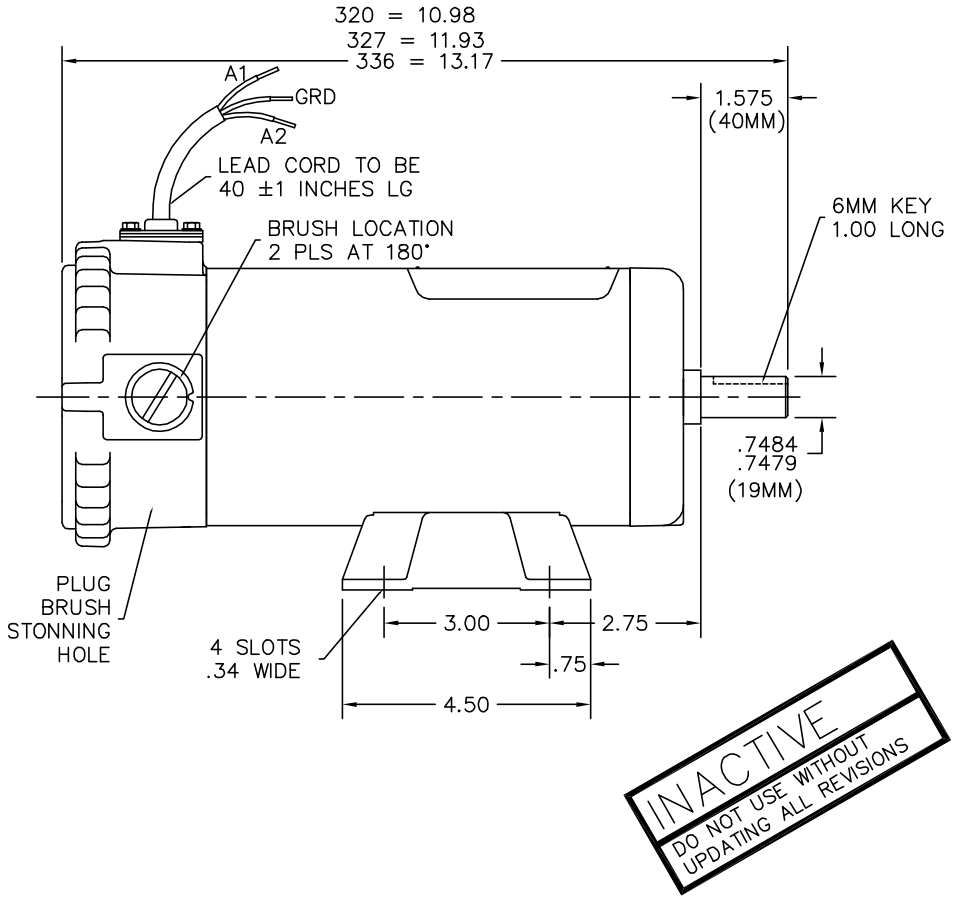
WINDING # 33WGZ155

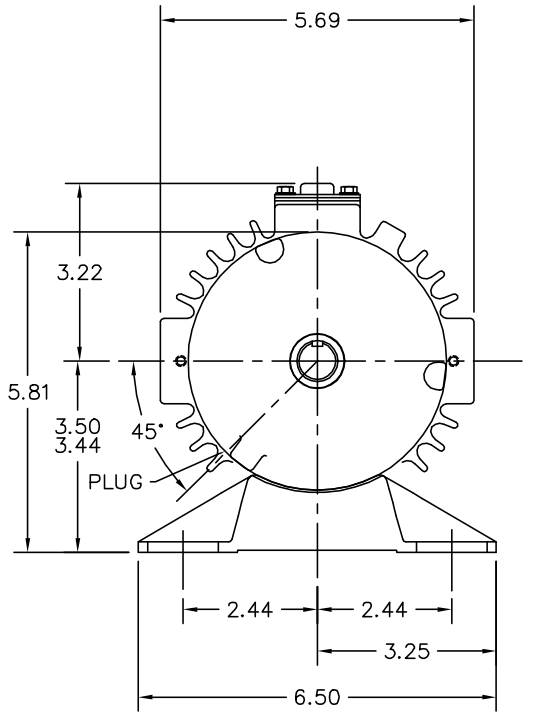
Typical performance - not guaranteed values.

1 HP DC 1750 RPM 180 V 3336P
ENCL: TENV DUTY: 30 MIN CL: F



33LY2323





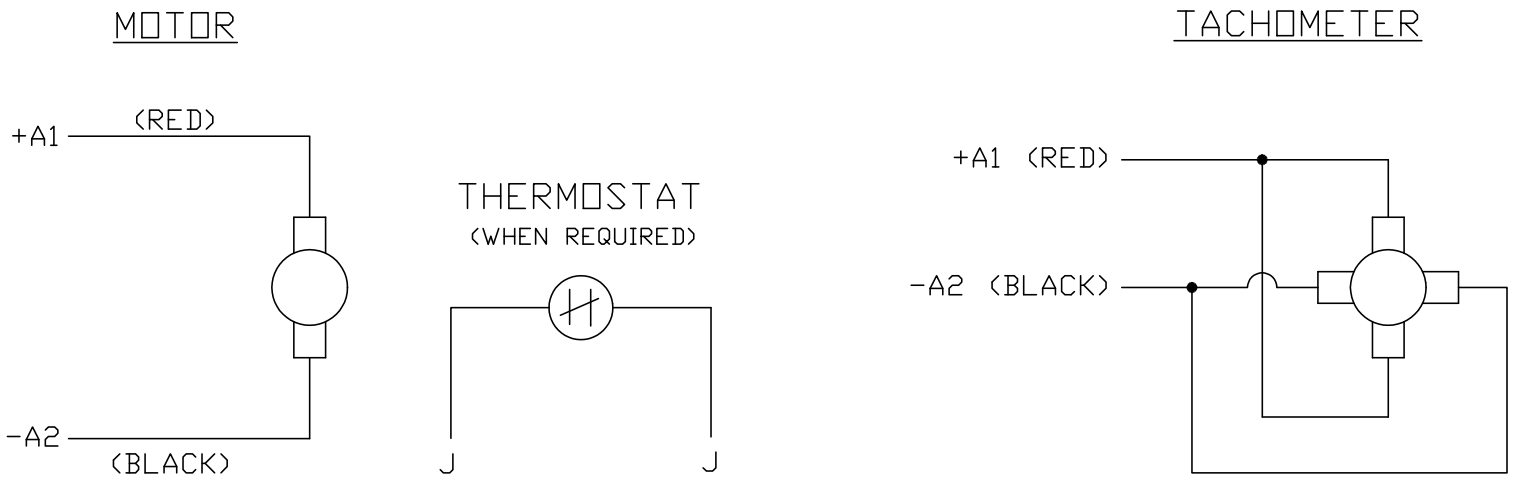
INACTIVE
DO NOT USE WITHOUT UPDATING ALL REVISIONS

33LY2323

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: INACTIVE			BALDOR ELECTRIC Co.
REV. LTR: C	BY: TW	REVISED: 15:46:42 05/02/2003	TDR: 301229
33LY2323		FILE: AAA00046154	REF: 33LY2323
		MTL: –	SPL HORZ 33PM TENV NEMA 56Z 2 POLE MOTOR W/205 BG

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	