

ABB BALDOR RELIANCE III

Customer information packet

CDPT3316

.33HP, 1750RPM, DC, 56C, 3327P, TENV, F1, N

Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	TENV
Frame	56C
Frame Material	Steel
Output Power	0.330 HP
Agency Approvals	CE CSA UR WEEE
Ambient Temperature	40 °C
Armature Current	1.6 a
Armature Inertia	6.318 lb-ft ²
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	TACHOMETER
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	2 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	14.99 IN
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding

Part Detail

Revision	H
Type	DC
Mech. spec.	33-2657
Base	
Status	PRD/A
Elec. spec.	33WGZ131
Layout	33LY2657
Eff. date	10-24-2024
CD Diagram	CD0194
Poles	00
Leads	
Proprietary	False
Created date	06-25-2019

Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger

Nameplate

NP0891L					
CAT.NO.	CDPT3316				
SPEC.	33-2657Z131				
HP	.33/KW.25	ENCL		TENV	
RPM	1750 1/MIN				
FRAME	56C	TYPE		3327P	
ARM V	180	ARM A		1.6	
FLD V		FLD A			
INSUL	F	AMB.		40	
DUTY	CONT	SUPPLY		1.3	
BRG/DE	6203	BRG/ODE		6203	
BRUSHES	2/BP5011CV01				
	IP44	BLANK		KG14	
SER.					
BLANK	IC410				
APRV-CE	Y	APRV-CSA	Y	APRV-UL	Y

DC Motor Performance Data

Record # 217

Typical performance - not guaranteed values

Winding: 33WGZ131-R001		Type: 3327P	Enclosure: TENV
Nameplate Data		General Characteristics	
Rated Output (HP)	0.33	Armature Resistance @ 25°C	4.331 Ω
R.P.M.	1750		
Armature Volts	180		
Armature Amps	1.6		
Field Volts		Armature Inductance	39.666 mH
Field Amps			
Rating - Duty	40C AMB-CONT		
Form Factor	1.3		

Load Characteristics at 180 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	0.18	0.89	1.16	1.53	1.88	2.22	2.87
R.P.M.	1727	1679	1662	1633	1620	1595	1556
Torque (LB-FT)	0	0.516	0.752	1.01	1.268	1.525	2.02

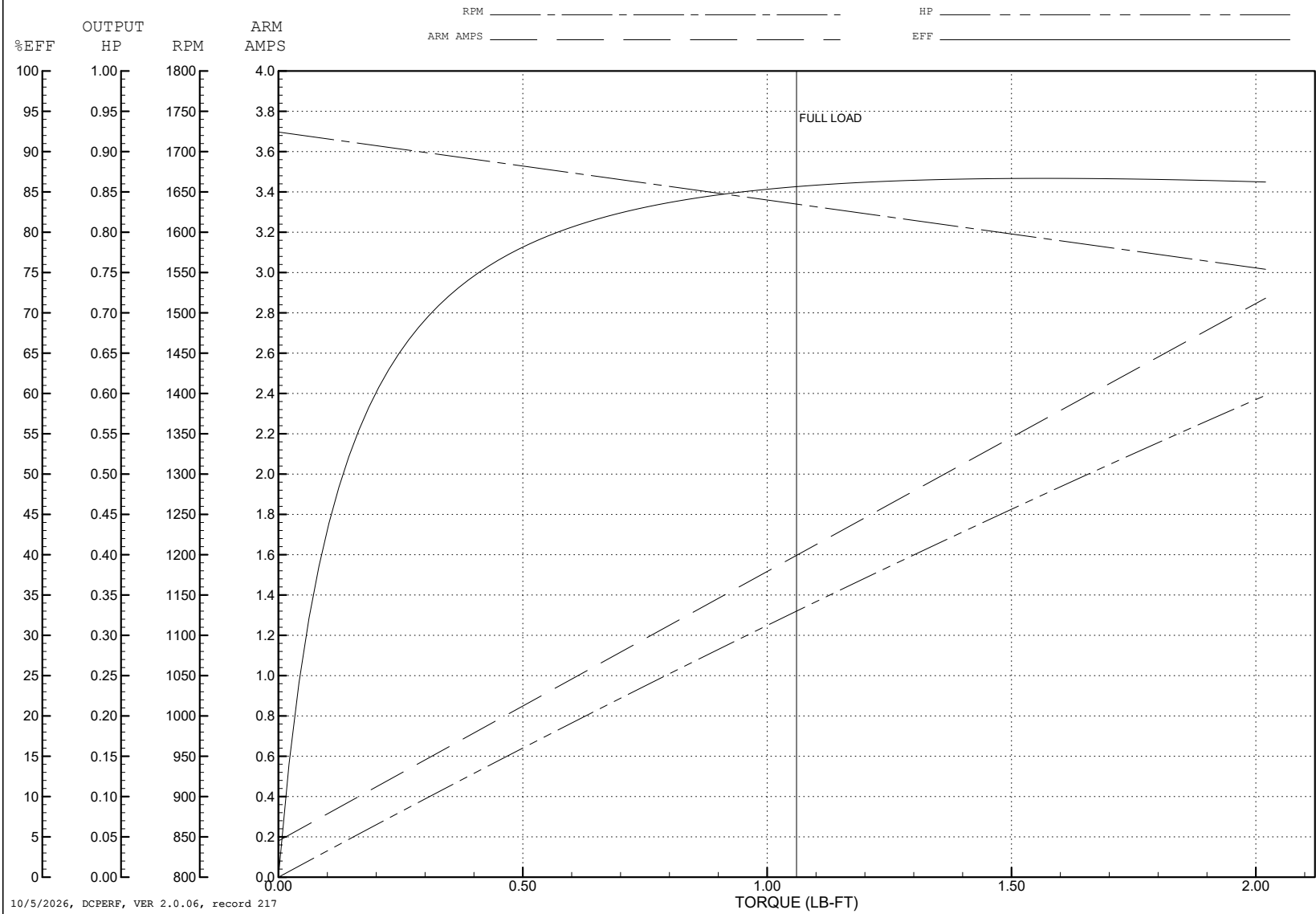
ABB Motors and Mechanical Inc.

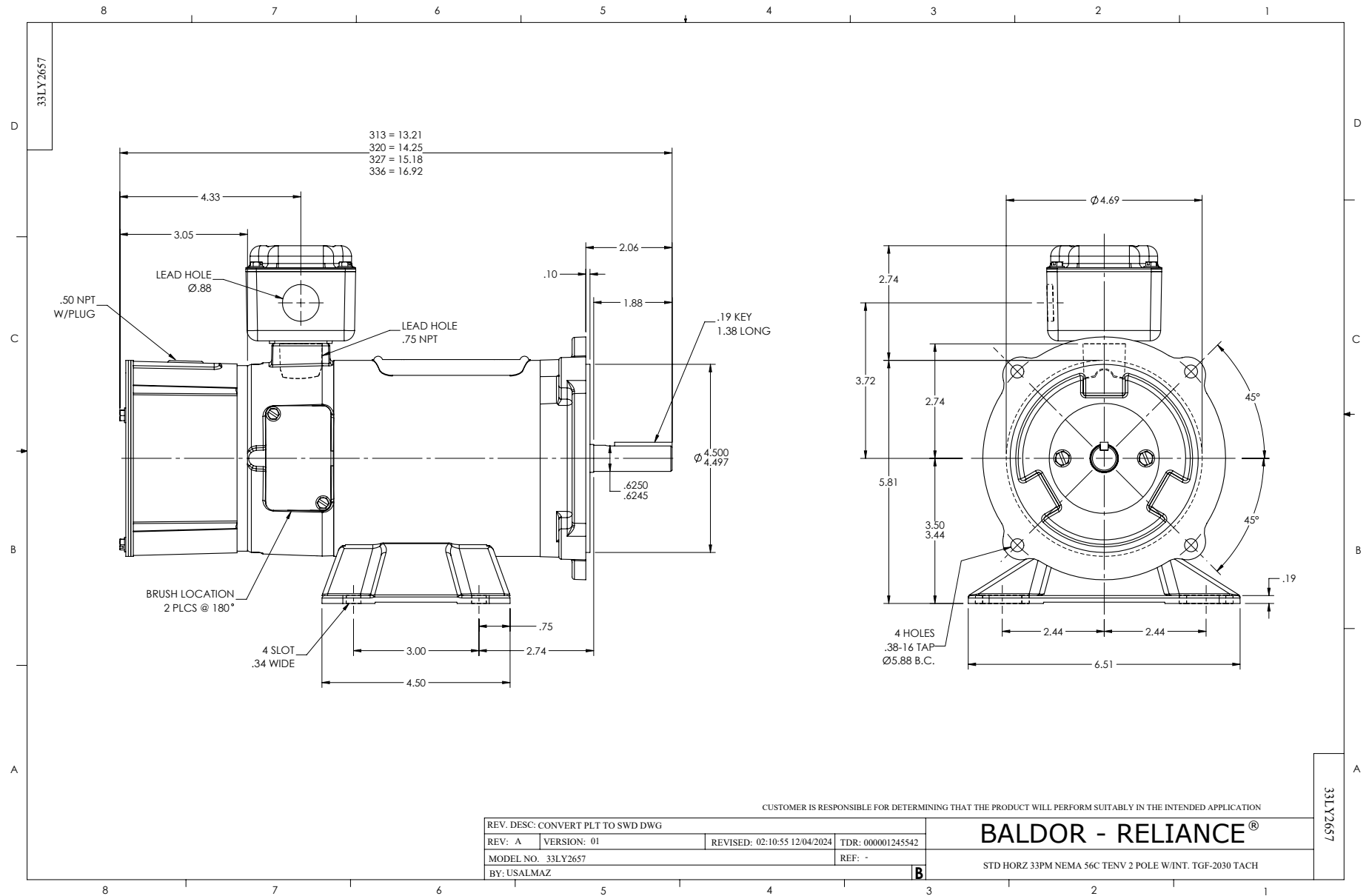
WINDING # 33WGZ131

Typical performance - not guaranteed values.

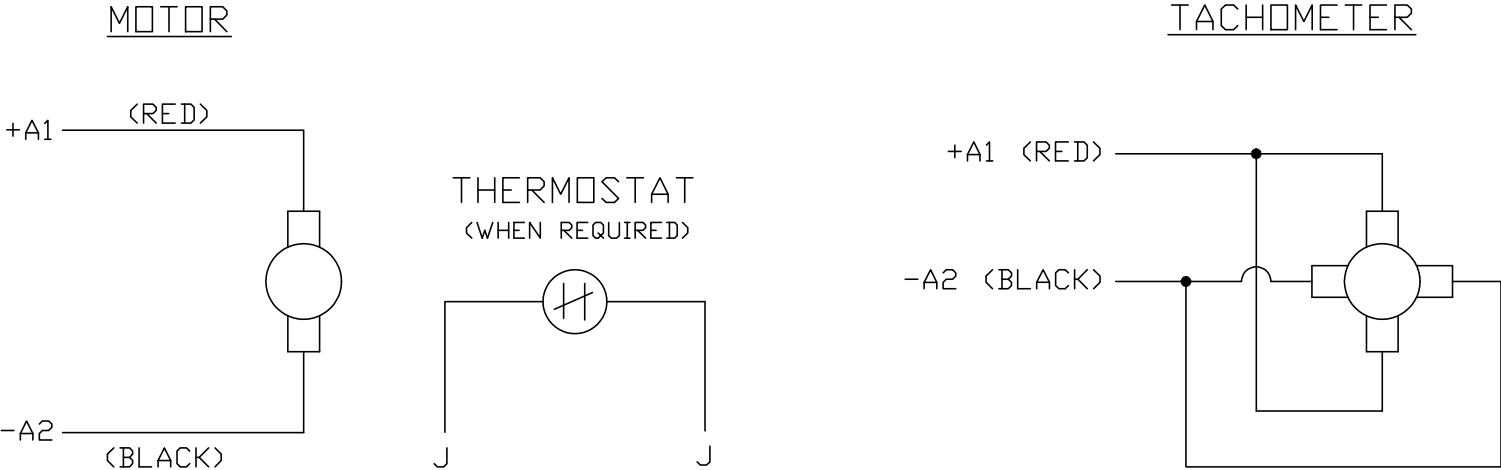
0.33 HP DC 1750 RPM 180 V 3327P

ENCL: TENV DUTY: CONT CL: F





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.

MATL: -			
REV:	E	ADDED NOTE "LEAD COLORS FOR REFERENCE ONLY &..."	
CD0194		SCALE: -	BY: CK
		FILE: AAA00004503	TDR: 0078737

BALDOR ELECTRIC Co.

CD TYPE P DC PERMANENT MAGNET MOTORS AND TACHOMETERS

CD0194