

BALDOR® • RELIANCE

Product Information Packet

CDP3326

.5HP,1750RPM,DC,56C,3336P,TENV,F1

Part Detail							
Revision:	Z	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:	3336P	Elec. Spec:	33WGZ139	CD Diagram:	CD0194
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	33-2051	Layout:	33LY2051
Frame:	56C	Mounting:	F1	Poles:	00	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-21-2016
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Specs			
Enclosure:	TENV		
Frame:	56C		
Frame Material:	Steel		
Agency Approvals:	CE		
	CSA		
	UR		
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		
Insulation Class:	F		
Lifting Lugs:	No Lifting Lugs		
Motor Lead Quantity/Wire Size:	2 @ 18 AWG, A		
Motor Lead Exit:	Ko Box		

Motor Lead Termination:	Flying Leads		
Mounting Arrangement:	F1		
Product Family:	General Purpose		
Pulley End Bearing Type:	Sealed Bearing		
RoHS Status:	ROHS COMPLIANT		
Shaft Extension Location:	Pulley End		
Shaft Ground Indicator:	No Shaft Grounding		
Shaft Rotation:	Reversible		
Shaft Slinger Indicator:	No Slinger		
Motor Standards:	NEMA		

Nameplate NP0891L

CAT.NO.	CDP3326		
SPEC.	33-2051Z139		
HP	.5	ENCL	TENV
RPM	1750		
FRAME	56C	TYPE	3336P
ARM V	180	ARM A	2.5
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	1.3
BRG/DE	6203	BRG/ODE	6203
BRUSHES	2/BP5011CV01		
		BLANK	
SER.			
BLANK	IP44		
APRV-CE	Y	APRV-CSA	Y
		APRV-UL	Y

Parts List		
Part Number	Description	Quantity
SA005043	SA 33-2051Z139	1.000 EA
AA002692	AA 33-2051Z139	1.000 EA
BP5011CV01SP	CARBON BRUSH - 33P, 180V	1.000 EA
BP5012A04SP	BRUSH SPRING FOR DC MOTORS	1.000 EA
33CB5000A03	33P BOX & LEAD ASSY	1.000 EA
33GS1006A01	GASKET CONDUIT BOX (LEXIDE)	1.000 EA
51XT0832A08	8-32 X 1/2 TY23 HXWS SLDSR	3.000 EA
51XW0832G07	8-32 X 7/16 TY23 HXWS SLDSR GR	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
33EP3101A04	FR ENDPLATE, MACH	1.000 EA
33CB4501A01SP	BRUSH INSPECTION COVER	2.000 EA
33GS1005A01	GASKET, BRUSH INSP. COVERELECTRICLY NON-	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
33EP3302A10	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HA6887	SHAFT PROTECTOR STAMPED STEEL 20 GA.	1.000 EA
10XN2520A06	1/4 20X3/8 HX HD CAP	2.000 EA
34CB4512	34 CB LID, GALVANNEAL STAMPED	1.000 EA
34GS1001	GASKET, STD CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.013 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
33RK5004SP	ROCKERARM	1.000 EA
HA3100S03	THRUBOLT- 10-32 X 10.625 302 OR 303 SS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1100/bx) 11/14	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
NP0891L	NP STD LASER ENGRAVED DC MTRS, UL CSA CE	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

Accessories		
Part Number	Description	Multiplier
TK3300	TACHO MOUNTING KIT TK3300	A8
TK3300-HPU	HPU10 MOUNTING KIT 33P/34P TENV	

DC Motor Performance Data

Record # 2018 - Typical performance - not guaranteed values

Winding: 33WGZ139-R010	Type: 3336P	Enclosure: TENV
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Nameplate Data		General Characteristics	
Rated Output (HP)	0.5	Armature Resistance @ 25°C	3.08 Ω
R.P.M.	1750		
Armature Volts	180	Voltage Constant	95.88 v/krpm
Armature Amps	2.5		
Field Volts		Armature Inductance	28.39697 mH
Field Amps		Armature Inertia	8.4241 LI ²
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	0.15	0.65	1.2	1.7	2.2	2.7	3.2
R.P.M.	1880	1848	1831	1803	1781	1762	1745
Torque (LB-FT)	0	0.365	0.752	1.117	1.504	1.869	2.234

Performance Graph at 180.0 Arm V, 0.5HP Typical performance - Not guaranteed values

