

BALDOR® • RELIANCE

Product Information Packet

CDP3420-V24

.33HP,1800RPM,DC,56C,3416P,TENV,F1

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	34WGZ610	CD Diagram:	CD0194
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	34-6943	Layout:	34LY6943
Frame:	56C	Mounting:	F1	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-23-2011
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP0111L			
CAT.NO.	CDP3420-V24		
SPEC.	34-6943Z610		
HP	.333	ENCL	TENV
RPM	1800		
FRAME	56C	TYPE	3416P
ARM V	24	ARM A	13.6
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	A
BRG/DE	6203	BRG/ODE	6203
BRUSHES	2/BP5104BV01		
		BLANK	
SER.			
BLANK			
APRV-CSA		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA112977	SA 34-6943Z610	1.000 EA
AA010139	AA 34-6943Z610	1.000 EA
BP5104BV01SP	CARBON BRUSH - 12 DC - MZ65	1.000 EA
BP5100	SPRING PRESSURE BRACKET ASSY	2.000 EA
34RK5006	ROCKERARM ASSEMBLY MODEL 34 PM	1.000 EA
51XF1032A08	10/32X1/2 HXWSHR HD, SL, TYPE F ,SERATED	4.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
34EP3114A03	FR EP, MACH MODEL 34 TENV W/EXT T-BOLTS	1.000 EA
WD4102A65	HEYCO #2827 (B 625-500) SHORTY BUSHING	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34CB4519	BRUSH INSPECTION COVER	2.000 EA
34GS1022	GASKET, BRUSH COVER LID, NEOPRENE NON CO	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
34EP3300A66	PU ENDPLATE, MACH W/INTERNAL RABBET	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34CB4518	CONDUIT BOX LID, STAMPED F/34P	1.000 EA
34GS1027	GASKET, 34P KOBX LID, CS-301 LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
WD1000A29	3-520140-4 AMP TRM=3.4M/R	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA3100A10	THRUBOLT 10-32 X 6.250	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
NP0111L	NP STD LASER ENGRAVED DC MOTORS, UL CSA	1.000 EA
27PA1001	PACKAGING GROUP	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Performance Data at 24.0 Arm V, 0.33HP (Typical performance - Not guaranteed values)
General Characteristics

Armature Resistance:	0.129 ohms	Commutating Winding Resistance:	
Series Winding Resistance:		Shunt Winding Resistance:	
Armature Inductance:	0.936 mH	Armature Inertia:	
Maximum Rated RPM With Field Weakening:		Maximum Allowable Inrush Amps:	

Load Characteristics

Load Point	1	2	3	4	5	6	7
Armature Amps:	2.4	5.05	7.74	10.65	13.4	16.01	18.82
RPM:	1825.0	1795.0	1753.0	1707.0	1666.0	1635.0	1596.0
Torque (LB-FT):	0.0	0.25	0.5	0.75	1.0	1.25	1.5

Performance Graph at 24.0 Arm V, 0.33HP Typical performance - Not guaranteed values





