

BALDOR® • RELIANCE

Product Information Packet

CD3451

.5HP,1750RPM,DC,56C,3420D,TEFC,F1,N

Part Detail							
Revision:	V	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	34WG2684	CD Diagram:	CD0860C01
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34-6172	Layout:	34LY6172
Frame:	56C	Mounting:	F3	Poles:	2///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-28-2014
Field Type:	Shunt	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP0111L			
CAT.NO.	CD3451		
SPEC.	34-6172-2684		
HP	.5	ENCL	TEFC
RPM	1750		
FRAME	56C	TYPE	3420D
ARM V	180	ARM A	2.6
FLD V	200/100	FLD A	.25/.5
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	1.3
BRG/DE	6203	BRG/ODE	6203
BRUSHES	2/BP5000H03		
		BLANK	
SER.			
BLANK			
APRV-CSA		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA006761	SA 34-6172-2684	1.000 EA
AA003395	AA 34-6172-2684	1.000 EA
34EP3103A01	FR ENDPLATE, MACH	1.000 EA
WD4100A17	PLUG STIMPSON D4036	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A29	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
BP5201A10SP	BRUSH HOLDER ASSY W/BP4509A01 & BP3000A0	1.000 EA
80XN1032A03	10-32 X 3/16 SET SCREW	2.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH5002A01SP	FAN COVER ASSY W/SHAFT COVER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
34CB4504SP	CONDUIT BOX LID, STAMPED	1.000 EA
34GS1011SP	GASKET, CONDUIT BOX LID	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
WD4102A07	STRAIN RELIEF - MICRO PLASTIC #23MP07W20	1.000 EA
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.001 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
BP5000H03SP	BRUSH ASSY, GRADE H619	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0860	CONN. DIAGRAM-DC(SHUNT WOUND MOTOR)	1.000 EA
NP0111L	NP STD LASER ENGRAVED DC MOTORS, UL CSA	1.000 EA
27PA1001	PACKAGING GROUP	1.000 EA

Accessories		
Part Number	Description	Multiplier
TK3400	TACHO MOUNTING KIT FOR TK3400	A8
TK3400-HPU	HPU10 MOUNTING KIT 34P/35P TEFC	

Performance Data at 180.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)**General Characteristics**

Armature Resistance:	5.7398 ohms	Commutating Winding Resistance:	
Series Winding Resistance:		Shunt Winding Resistance:	399.2056 ohms
Armature Inductance:		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:	0.4	1.5	2.2	2.8	3.5	4.3	5.8
RPM:	1977.0	1899.0	1879.0	1860.0	1839.0	1813.0	1807.0
Torque (LB-FT):	0.0	0.75	1.125	1.5	1.875	2.25	3.0

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





