



Product Information Packet

CDPT3436

.75HP,1750RPM,DC,56C,3428P,TEFC,F1

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:	3428P	Elec. Spec:	34WG3946	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34-6432	Layout:	34LY6432
Frame:	56C	Mounting:	F1	Poles:	00	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-16-2018
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Specs			
Enclosure:	TEFC		
Frame:	56C		
Frame Material:	Steel		
XP Class and Group:	None		
Agency Approvals:	CE		
	CSA		
	UR		
	WEEE		
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 @ 14 AWG		
Motor Lead Exit:	Ko Box		
Motor Lead Termination:	Flying Leads		
Mounting Arrangement:	F1		
Product Family:	General Purpose		
Pulley End Bearing Type:	Sealed Bearing		
Shaft Extension Location:	Pulley End		
Shaft Ground Indicator:	No Shaft Grounding		
Shaft Rotation:	Reversible		
Shaft Slinger Indicator:	No Slinger		
Motor Standards:	NEMA		
XP Division:	Not Applicable		

Nameplate NP0891L

CAT.NO.	CDPT3436		
SPEC.	34-6432-3946		
HP	.75	ENCL	TEFC
RPM	1750		
FRAME	56C	TYPE	3428P
ARM V	180	ARM A	3.7
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	1.5
BRG/DE	6203	BRG/ODE	6203
BRUSHES	2/BP5000AW14		
		BLANK	
SER.			
BLANK			
APRV-CE	☒	APRV-CSA	☒
		APRV-UL	☒

Parts List		
Part Number	Description	Quantity
SA005397	SA 34-6432-3946	1.000 EA
AA003046	AA 34-6432-3946	1.000 EA
BP5000AW14SP	CARBON BRUSH - 33P, 180 VOLTS	1.000 EA
HA3210B66	.125 DIA X .281 (AUTO)	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
34EP3103B03	FR. ENDPLATE, MACH	1.000 EA
HA6341A01	TG-300 TACH. ADAPTER MACH'D FOR 34 FRAME	1.000 EA
84XN2520J12	1/4-20 X 3/4 SOC.HD CAP SCR	4.000 EA
HW1002A25	WASHER, 1/4 HI-COLLAR LCKWSHR	4.000 EA
HW1001A04	WASHER, #4 SPLT LK ZINC	2.000 EA
34CB4510	COVER- 34 TACH. ADAP(CLOWTDR10478 ORDER	1.000 EA
34GS5002	GASKET-COVER 34 TACH ADAPTER	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
WD4100A26	HEYCO UNIVERSAL BUSHING P/N 2089, MTG HO	1.000 EA
12XN0440A12	4-40X.750 SLOTTED HEX HD CAP ZN	2.000 EA
WD4100A17	PLUG STIMPSON D4036	1.000 EA
HW5100A03	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
BP5201A11SP	BRUSH HOLDER ASSY W/BP4511A01 & 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
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
X3B003Z029	TACH TG-300 50V .625BORE W/NOTCH CW	1.000 EA
18XN0632A16	FLAT HEAD SCREW	2.000 EA
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA6345A02	SHAFT ADAPTER,34 & 35 MTRTG200 & TG300 T	1.000 EA
HW1005W01	LOCKWASHER, 201 BEARING MO	1.000 EA
ML14A1B14	14 AWG,A1,BLACK	8.500 IN
ML14A2B14	14 AWG,A2,BLACK	8.500 IN
HA3100A47	THRUBOLT 10-32 X 7.625	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
NP0891L	NP STD LASER ENGRAVED DC MTRS, UL CSA CE	1.000 EA
35PA1007	PKG GRP, PRINT PK1034A06	1.000 EA

DC Motor Performance Data

Record # 1048 - Typical performance - not guaranteed values

Winding: 34WG3946-R001	Type: 3428P	Enclosure: TEFC
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Nameplate Data		General Characteristics	
Rated Output (HP)	0.75	Armature Resistance @ 25°C	2.728 Ω
R.P.M.	1750		
Armature Volts	180		
Armature Amps	3.7		
Field Volts		Armature Inductance	27.3166 mH
Field Amps			
Rating - Duty	40C AMB-CONT		
Form Factor	1.5		

Load Characteristics at 180 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	0.16	1.36	2.56	3.76	5.66	6.72	8.16
R.P.M.	1985	1934	1883	1832	1750	1705	1644
Torque (LB-FT)	0	0.75	1.5	2.25	3.44	4.1	5

Performance Graph at 180.0 Arm V, 0.75HP Typical performance - Not guaranteed values





