

BALDOR® • RELIANCE

Product Information Packet

CDPT3603

3HP,1750RPM,DC,184ATC,3649P,TEFC,F1

Part Detail							
Revision:	AD	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	36WGZ507	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36P130	Layout:	36LYP130
Frame:	184ATC	Mounting:	F1	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-12-2013
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP0891L					
CAT.NO.	CDPT3603				
SPEC.	36P130Z507				
HP	3	ENCL	TEFC		
RPM	1750				
FRAME	184ATC	TYPE	3649P		
ARM V	180	ARM A	14		
FLD V		FLD A			
INSUL	F	AMB.	40		
DUTY	CONT	SUPPLY	K		
BRG/DE	6206	BRG/ODE	6206		
BRUSHES	2/BP5031A01				
		BLANK	IP44		
SER.					
BLANK					
APRV-CE	Y	APRV-CSA	Y	APRV-UL	Y

Parts List		
Part Number	Description	Quantity
SA043654	SA 36P130Z507	1.000 EA
AA005129	AA 36P130Z507	1.000 EA
BP5031A01SP	BRUSH ASSY,HELWIG GRADE H45 180 VOLTS	1.000 EA
BP5030	BRUSH SPRING FOR 36DC/PM MOTORS	2.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
19XM3118A08	5/16-18X1/2 HX HD ROLL FM#93882A578 MCMA	4.000 EA
36CB3000SP	CONDUIT BOX, CAST	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
36EP3402A05	SPL FR. E.P. TEFC 36PM FOR TACH ADATER M	1.000 EA
26XW1032A08	10-32 X 1/2 PHILLIPS HEAD TAPTITE-II (SI	4.000 EA
HA6343A01	TG-300 TACH. ADAPTER MACH'D FOR 36 FRAME	1.000 EA
84XN3816J16	3/8-16 X 1 SOCK HD, BK OX	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
36CB4508	COVER 36 TACH ADAPTER	1.000 EA
36GS5003	GASKET-COVER 36 TACH ADAPTER	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
18XN0632A16	FLAT HEAD SCREW	2.000 EA
12XN0440A12	4-40X.750 SLOTTED HEX HD CAP ZN	2.000 EA
HW1001A04	WASHER, #4 SPLT LK ZINC	2.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
HW5010U49	RET. RING 5100-143 TRU ARC	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
36EP3302A01	STD PU ENDPLATE #206 BRG 182TC-184TC 36P	1.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH5000A11	FAN COVER/TACH. ACC. ASSY.08 45823107	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
35CB4514	35 LIPPED CB LID	1.000 EA
36GS1001A08	GASKET - CONDUIT BOX LID 36 FRAME	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
36CB4500SP	CONDUIT BOX LID, STAMPED	2.000 EA
36GS1001A08	GASKET - CONDUIT BOX LID 36 FRAME	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	8.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
WD4100A26	HEYCO UNIVERSAL BUSHING P/N 2089, MTG HO	1.000 EA
HA6346A02	SHAFT ADAPTER,MD 36,TG200&TG300 TACH,A=2	1.000 EA
HW1005W01	LOCKWASHER, 201 BEARING MO	1.000 EA
X3B003Z029	TACH TG-300 50V .625BORE W/NOTCH CW	1.000 EA
WD1000D04	T&B C26M,NON-INS RING, 12-10 GA, #10 BOL	2.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.019 GA
85XU0409A04	4X1/4 U DRIVE PIN/85xu0407a04	2.000 EA
NP0891L	NP STD LASER ENGRAVED DC MTRS, UL CSA CE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
MG5010A01	TRICKLE VARNISH (PEDIGREE 600 S)	0.005 GA
MG5010Z01	488 (TPB) CATALYST	0.001 LB
36RK5009A01	ROCKERARM ASSY, GRADE E45	1.000 EA
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 EA
LC0194	CONNECTION LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
36PA1062	PACKAGING GROUP	1.000 EA

Performance Data at 180.0 Arm V, 3.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:	0.3209 ohms			Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
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	3.37	6.34	9.01	12.28	13.51	20.45
RPM:	1860.0	1844.0	1827.0	1813.0	1795.0	1788.0	1750.0
Torque (LB-FT):	0.0	2.0	4.0	5.8	8.0	8.83	13.5

Performance Graph at 180.0 Arm V, 3.0HP Typical performance - Not guaranteed values





