

BALDOR® • RELIANCE

Product Information Packet

VP3439D

.57/.75HP,3000RPM,DC,D80D,3420P,TEFC,F2

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	34WG5699	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34-6483	Layout:	34LY6483
Frame:	D80D	Mounting:	B35	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-14-2016
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1049L

CAT.NO.	VP3439D		
SPEC.	34-6483-5699		
KW/HP	.56/.75 TE	I.P.	54
RPM	3000 TE		
IEC FRAME	D80D	TYPE	3420P
ARM V	180	ARM A	3.6
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	1.5
BRG/DE	6206	BRG/ODE	6203
BRUSHES	2/BP5000AW14		
SER.		BLANK	
BLANK			
APRV-CE	☐	APRV-CSA	☐
		APRV-UL	☐

Parts List		
Part Number	Description	Quantity
SA053023	SA 34-6483-5699	1.000 EA
AA005945	AA 34-6483-5699	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
34EP3103B14	FR ENDPLATE MACH 34PM TEFC F-2 MTG W/PG-	1.000 EA
WD4100A17	PLUG STIMPSON D4036	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP2505A01	FLG MTG EP IEC F165 ENCL 205 BRG MACH.	1.000 EA
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
51XN1032A24	10-32 X 1 1/2 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
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
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 EA
HW2504E10	KEY, 6 MM X 1.000	1.000 EA
HA7000A11	KEY RETAINER 0.750 DIA SHAFTS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA

Parts List (continued)		
Part Number	Description	Quantity
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.001 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 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
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
NP1049L	NP STD LASER ENGRAVED IEC DC MOTORS, UL	1.000 EA
27PA1006	PKG GRP, PRINT PK1027A06	1.000 EA

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

DC Motor Performance Data

Record # 536 - Typical performance - not guaranteed values

Winding: 34WG5699-R001	Type: 3420P	Enclosure: TEFC
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Nameplate Data		General Characteristics	
Rated Output (KW)	0.56	Armature Resistance @ 25°C	2.1453 Ω
R.P.M.	3000		
Armature Volts	180	Voltage Constant	59.12 v/krpm
Armature Amps	3.6		
Field Volts		Armature Inductance	16.1557 mH
Field Amps		Armature Inertia	7.804 LI ²
Rating - Duty	40C AMB-CONT		
Form Factor	1.5		

Load Characteristics at 180 Armature Volts

Load Point	1	2	3	4	5	6
Armature Amps	0.4	1.6	2.3	3	3.6	4.3
R.P.M.	3028	2961	2919	2879	2859	2827
Torque (LB-FT)	0	0.559	0.859	1.117	1.396	1.697

Performance Graph at 180.0 Arm V, 0.56KW Typical performance - Not guaranteed values





