

BALDOR® • RELIANCE

Product Information Packet

VP3588D

1.5/2HP,3000RPM,DC,D90D,3536P,TEFC,F2

Part Detail							
Revision:	Z	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	35WGZ295	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35P466	Layout:	35LYP466
Frame:	D90D	Mounting:	B35	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-22-2015
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1049L

CAT.NO.	VP3588D		
SPEC.	35P466Z295		
KW/HP	1.5/2 TE	I.P.	54
RPM	3000 TE		
IEC FRAME	D90D	TYPE	3536P
ARM V	180	ARM A	10
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT		
BRG/DE	6206	BRG/ODE	6205
BRUSHES	2/BP5000T15		
SER.			
BLANK			
APRV-CE		APRV-CSA	
		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA005531	SA 35P466Z295	1.000 EA
AA003180	AA 35P466Z295	1.000 EA
35EP3110A04	STD FR EP TEFC F2 MTG FOR EXT T'BOLT 35P	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35EP2500A02	PU ENDPLATE 35DC-PM IEC 165 FLG D80 & D9	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	2.000 EA
HW4600B50SP	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
BP5201A14SP	BRUSH HOLDER ASSY	1.000 EA
80XN1032A03	10-32 X 3/16 SET SCREW	2.000 EA
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.001 EA
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH5001A10SP	FAN COVER ASS'Y TEFC HORZ	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 EA
WD4100A17	PLUG STIMPSON D4036	1.000 EA
35CB4506	CONDUIT BOX LID, STAMPED	1.000 EA
35GS1010	CONDUIT BOX LID, GASKET	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2505A14	KEY, 8 X 7 MM 1.50 INCHES	1.000 EA
HA7000A12	KEY RETAINER 0.945-1.00 DIA SHAFTS	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA

Parts List (continued)		
Part Number	Description	Quantity
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
BP5000T15SP	CARBON BRUSH-35P,180VOLTS	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HA3101A46	tHRUBOLT- 1/4-20 X 10.00 X	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
NP1049L	NP STD LASER ENGRAVED IEC DC MOTORS, UL	1.000 EA
35PA1007	PKG GRP, PRINT PK1034A06	1.000 EA

Accessories		
Part Number	Description	Multiplier
TK3500	TACHO MOUNTING KIT TK3500	A8

DC Motor Performance Data

Record # 546 - Typical performance - not guaranteed values

Winding: 35WGZ295-R001	Type: 3536P	Enclosure: TEFC
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Nameplate Data		General Characteristics	
Rated Output (HP)	2	Armature Resistance @ 25°C	0.336 Ω
R.P.M.	3000		
Armature Volts	180		
Armature Amps	10		
Field Volts			
Field Amps			
Rating - Duty	40C AMB-CONT		
Power Supply Code	K		

Load Characteristics at 180 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	1.4	5.5	7.9	9.8	12.1	14.2	18.8
R.P.M.	3107	3040	3000	2982	2950	2930	2859
Torque (LB-FT)	0	1.75	2.75	3.5	4.5	5.25	7

Performance Graph at 180.0 Arm V, 2.0HP Typical performance - Not guaranteed values





