

BALDOR® • RELIANCE

Product Information Packet

VP3458-14

1HP/.75KW/3000RPM/TEFC/34-6243Z145

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	34WGZ145	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34-6243	Layout:	34LY6243
Frame:	D80C	Mounting:	B34	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-10-2014
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP0111L			
CAT.NO.	VP3458-14		
SPEC.	34-6243Z145		
HP	.75 KW	ENCL	TEFC
RPM	3000		
FRAME	D80C	TYPE	3428P
ARM V	180	ARM A	5.1
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	1.5
BRG/DE	6205	BRG/ODE	6203
BRUSHES	2/BP5000AW14		
		BLANK	
SER.			
BLANK			
APRV-CSA		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA005330	SA 34-6243Z145	1.000 EA
AA002979	AA 34-6243Z145	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	003SS CUP WASHER, FOR #8 SCREW	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
34EP3303A04	PU-E.P. IEC-D80C FLANGE PER B14 34DC/PM	1.000 EA
HW4600B49SP	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
HW2504E10	KEY, 6 MM X 1.000	1.000 EA
HA7000A11	KEY RETAINER 0.750 DIA SHAFTS	1.000 EA
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.014 GA

Parts List (continued)		
Part Number	Description	Quantity
MJ5001A27	32220KN GRAY SEALER	0.001 QT
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.001 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3100A47	THRUBOLT 10-32 X 7.625	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LC0194	CONNECTION LABEL	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, 0.75KW (Typical performance - Not guaranteed values)**General Characteristics**

Armature Resistance:	1.05 ohms	Commutating Winding Resistance:	
Series Winding Resistance:		Shunt Winding Resistance:	
Armature Inductance:	10.111 mH	Armature Inertia:	10.93 L ²
Maximum Rated RPM With Field Weakening:		Maximum Allowable Inrush Amps:	

Load Characteristics

Load Point	1	2	3	4	5	6	7
Armature Amps:	0.8	2.9	4.1	5.1	6.3	7.4	9.7
RPM:	3296.0	3219.0	3180.0	3135.0	3094.0	3056.0	2990.0
Torque (LB-FT):	0.0	0.875	1.375	1.75	2.25	2.625	3.5

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





