

BALDOR® • RELIANCE

Product Information Packet

VEBM3546T-D

1HP,1760RPM,3PH,60HZ,143TC,3519M,TEFC,F3

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Part Detail										
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No			
Type:	AC	Prod. Type:	3519M	Elec. Spec:	35WGM492	CD Diagram:				
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35X050	Layout:				
Frame:	143TC	Mounting:	F3	Poles:	04	Created Date:	08-03-2010			
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-13-2011			
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:				
Nameplate NP2105L										
CAT.NO.		VEBM3546T-D								
SPEC.		35X050M492G1								
HP		1								
VOLTS		208-230/460								
AMP		3.1-3/1.5								
RPM		1760								
FRAME		143TC			HZ			60	PH	3
SER.F.		1.15			CODE			L	DES	B CL F
NEMA-NOM-EFF		85.5			PF			71		
RATING		40C AMB-CONT								
CC		010A			USABLE AT 208V			3.1		
DE		6205			ODE			6205		
ENCL		TEFC			SN					
		IP44								

Parts List		
Part Number	Description	Quantity
SA200825	SA 35X050M492G1	1.000 EA
RA188136	RA 35X050M492G1	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	1.000 EA
S/P111-000-002	CORONA TEST, SUPER E MOTORS - FT. SMITH	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB4007	KOBX, AUTOPHORETIC (REL# 79097-49-C)	1.000 EA
35GS3009	GASKET, KOBX 35CB4006 (411881-15A)	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	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
35EP3119A01	SPL FREP TEFC 205 BRG	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35EP3300A33	SPL FACE MTD EP -ENCL-205 BRG	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35FH3004A01	FAN COVER ASSY, BRAKE MTG	1.000 EA
51XN1032A32	10-32 X 2 HX WS SL SR	4.000 EA
BR2006B01	DBSC SPLINED HUB 5/8 BOR	1.000 EA
35FN3003A01	EXFN, PLASTIC, 5.88 OD, .626 ID	1.000 EA
35CB4519	CB LID RAW & UNPRIMED, REL# 79097-50-B	1.000 EA
35GS3019	GASKET, FOR KOBX LID 35CB4519	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
WD4006A01	WIRE JOINT, RB-4 OR RB-44	1.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1419	CONN LABEL DODGE BRAKE (REL# 411614-15)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000N49	PAINT, 678.50 WILKO, REL GRN (55 GA)	0.017 GA
HA3100A11	THRUBOLT 10-32 X 6.750	4.000 EA
46BK0204B01	DBSC-VP-6-MA-230/460 VAC	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
NP2105L	ALUM SUPER-E UL CSA-EEV CE CC	1.000 EA
G7PA1000	PACKAGING GROUP / BALDOR	1.000 EA
PK3082	STYROFOAM CRADLE	2.000 EA

Performance Data at 460V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		2.97 LB-FT		Start Configuration:		DOL	
No-Load Current:		1.0 Amps		Break-Down Torque:		12.5 LB-FT	
Line-line Res. @ 25°C.:		16.05 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		6.16 LB-FT	
Temp. Rise @ Rated Load:		36 C		Locked-Rotor Torque:		8.49 LB-FT	
Temp. Rise @ S.F. Load:		43 C		Starting Current:		12.1 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	31.0	49.0	62.0	71.0	77.0	80.0	75.0
Efficiency:	72.2	82.1	84.8	85.6	85.3	84.4	85.4
Speed:	1790.9	1781.2	1771.5	1760.7	1749.1	1736.6	1754.0
Line Amperes:	1.05	1.15	1.33	1.54	1.79	2.07	1.69

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