

BALDOR® • RELIANCE

Product Information Packet

VEBM3558T-D

2HP,1755RPM,3PH,60HZ,145TC,3530M,TEFC,F3

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Part Detail									
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3530M	Elec. Spec:	35WGM494	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35X050	Layout:			
Frame:	145TC	Mounting:	F3	Poles:	04	Created Date:	08-02-2010		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-13-2011		
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2105L									
CAT.NO.	VEBM3558T-D								
SPEC.	35X050M494G1								
HP	2								
VOLTS	208-230/460								
AMP	6-5.8/2.9								
RPM	1755								
FRAME	145TC	HZ			60	PH	3		
SER.F.	1.15	CODE			L	DES	B	CL	F
NEMA-NOM-EFF	86.5	PF			73				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6205	ODE			6205				
ENCL	TEFC	SN							
	IP44								

Parts List		
Part Number	Description	Quantity
SA200675	SA 35X050M494G1	1.000 EA
RA187986	RA 35X050M494G1	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
HA3100A56	THRUBOLT 10-32 X 8.625	4.000 EA
46BK0304B01	DBSC-VP-10-MA-230/460 VAC	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	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	1.000 EA

Performance Data at 460V, 60Hz, 2.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		5.95 LB-FT		Start Configuration:		DOL	
No-Load Current:		1.82 Amps		Break-Down Torque:		23.9 LB-FT	
Line-line Res. @ 25°C.:		7.46 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		15.9 LB-FT	
Temp. Rise @ Rated Load:		61 C		Locked-Rotor Torque:		18.1 LB-FT	
Temp. Rise @ S.F. Load:		74 C		Starting Current:		24.3 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	32.0	51.0	64.0	73.0	79.0	82.0	77.0
Efficiency:	75.7	84.2	86.4	87.3	86.2	85.1	86.4
Speed:	1788.5	1778.0	1766.7	1754.5	1740.8	1726.6	1746.0
Line Amperes:	1.92	2.17	2.51	2.94	3.46	4.01	3.25

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