

BALDOR® • RELIANCE

Product Information Packet

VEBM3558T-D

2HP,1755RPM,3PH,60HZ,145TC,3528M,TEFC,F3

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGN909	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35X050	Layout:	35LYX050
Frame:	145TC	Mounting:	F3	Poles:	04	Created Date:	06-21-2013
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	05-06-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2105L										
CAT.NO.	VEBM3558T-D									
SPEC.	35X050N909G1									
HP	2									
VOLTS	208-230/460									
AMP	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			75					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6205	ODE			6205					
ENCL	TEFC	SN								
	IP44									

Parts List		
Part Number	Description	Quantity
SA265085	SA 35X050N909G1	1.000 EA
RA251789	RA 35X050N909G1	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	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
WD4101A13	STEEL CAPLUG,BP-1 1/8, PLUG D3561S	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,T&B 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	CONNECTION LABEL	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000N49	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.017 GA
HA3100A13	THRUBOLT 10-32 X 7.750	4.000 EA
46BK0304B01	DBSC-VP-10-MA-230/460 VAC	1.000 EA
LB1119N	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
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
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

AC Induction Motor Performance Data

Record # 42530 - Typical performance - not guaranteed values

Winding: 35WGN909-R001	Type: 3528M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	5.985 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	24.9 LB-FT
R.P.M.	1755			Pull-up Torque	15.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.2 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	23.9 A
Service Factor (S.F.)	1.15			No-load Current	1.81 A
NEMA Nom. Eff.	86.5	Power Factor	75	Line-line Res. @ 25°C	8.1641 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	65°C
S.F. Amps				Temp. Rise @ S.F. Load	77°C
				Rotor inertia	0.165 LF ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	66	75	80	83	78
Efficiency	75.7	84.1	86.3	86.5	85.9	84.6	86.1
Speed	1790	1779.4	1768.5	1756.1	1742.7	1727.9	1748
Line amperes	1.89	2.11	2.46	2.91	3.4	4	3.2

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





