

BALDOR® • RELIANCE

Product Information Packet

VSSEWDM3711T

10HP,3500RPM,3PH,60HZ,215TC,3744M,TEFC,F

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3744M	Elec. Spec:	37WGS137	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37N188	Layout:	37LYN188
Frame:	215TC	Mounting:	F1	Poles:	02	Created Date:	01-27-2015
Base:	N	Rotation:	R	Insulation:	H	Eff. Date:	02-16-2017
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953C01

CAT.NO.	VSSEWDM3711T									
SPEC.	37N188S137G1									
HP	10									
VOLTS	230/460									
AMP	21.2/10.6									
RPM	3500									
FRAME	215TC					HZ		60		
SER.F.	1.15			CODE		L	DES		A	
NEMA-NOM-EFF	91.7				PF		94			
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					23
DE	6307				ODE		6307			
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA292856	SA 37N188S137G1	1.000 EA
RA278964	RA 37N188S137G1	1.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
HW3200S01	EYEBOLT 3/8-16 X3/4 S.S. TDR #35988	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37FE1910A06	FREP TEFC 307 BRG NO GRSR W/SEAL 4X.125N	1.000 EA
RM1070A48	O-RING, .070 C.S. X 8.656 ID, VITON	1.000 EA
HW4600F34	35MM X 53MM X 4.5MM, VITON FACE SEAL	1.000 EA
HW4600F34	35MM X 53MM X 4.5MM, VITON FACE SEAL	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
37PE1911A11	PUEP, MACH - 307 BRG WD8 (STAINLESS)	1.000 EA
RM1070A48	O-RING, .070 C.S. X 8.656 ID, VITON	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
RM1070A47	O-RING, -011 VITON/FKM .070CS X .301ID	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
37FH4000A45	STAINLESS FAN COVER, NO GREASER SLOT (FO	1.000 EA
10XN1032S06	HEX HD CAP SCREW, SS	3.000 EA
36CB4517	LIPPED CB LID #304 STAINLESS - CLEANED	1.000 EA
37GS3010	1/16"WHITE LID GASKET	1.000 EA
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 EA
HW2502F21	#303 SS,SQ KEY 5/16 X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.005 QT

Parts List (continued)		
Part Number	Description	Quantity
MJ5004A37	#76732 LOCTITE ANTISEIZE THRD COMPOUND	0.005 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 EA
HA3104S17	THRUBOLT 13.250LG SS	4.000 EA
37PA1039	PALLET PACK GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA

AC Induction Motor Performance Data

Record # 57389 - Typical performance - not guaranteed values

Winding: 37WGS137-R011	Type: 3744M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	21.2/10.6			Breakdown Torque	89.4 LB-FT
R.P.M.	3500			Pull-up Torque	39 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	46.5 LB-FT
NEMA Design Code	A	KVA Code	L	Starting Current	124 A
Service Factor (S.F.)	1.15			No-load Current	4.28 A
NEMA Nom. Eff.	91.7	Power Factor	94	Line-line Res. @ 25°C	0.659 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	67°C
S.F. Amps				Temp. Rise @ S.F. Load	82°C
				Locked-rotor Power Factor	31.5
				Rotor inertia	0.402 LB-FT ²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	86	91	91	92	91
Efficiency	81.8	88.7	90.2	91	90.1	89.7	90.5
Speed	3579	3557	3535	3510	3486	3459	3496
Line amperes	4.99	6.82	8.93	11.3	14.2	17	13

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values





