

BALDOR® • RELIANCE

Product Information Packet

JMSSEWDM3714T

10HP,1770RPM,3PH,60HZ,215JM,3756M,TEFC,F

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3756M	Elec. Spec:	37WGS251	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37J863	Layout:	37LYJ863
Frame:	215JM	Mounting:	F1	Poles:	04	Created Date:	01-25-2011
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	02-15-2017
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953C02

CAT.NO.	JMSSEWDM3714T										
SPEC.	37J863S251G1										
HP	10										
VOLTS	230/460										
AMP	25/12.5										
RPM	1770										
FRAME	215JM					HZ		60		PH	3
SER.F.	1.15		CODE		K	DES		B	CLASS		H
NEMA-NOM-EFF	92.4				PF		81				
RATING	40C AMB-CONT										
CC	010A				USABLE AT 208V						26.7
DE	6309				ODE		6307				
ENCL	TEFC		SN								

Parts List		
Part Number	Description	Quantity
SA245069	SA 37J863S251G1	1.000 EA
RA231956	RA 37J863S251G1	1.000 EA
37FN3002B01	EXFN, PLASTIC, 7.50 OD, 1.155 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 GR SR 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
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
37PE1911A13	PUEP 213-5T 309 LKD BRG NO GR SR W/SEAL,	1.000 EA
RM1070A48	O-RING, .070 C.S. X 8.656 ID, VITON	1.000 EA
HW4600F80	45MM X 62MM X 4.5MM,VITON FACE SEAL AFS	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
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	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
HA3104S25	THRUBOLT-5/16-18X14.75 SS	4.000 EA
37PA1039	PALLET PACK GROUP, BLANK PK1148	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 # 62567 - Typical performance - not guaranteed values

Winding: 37WGS251-R016	Type: 3756M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	29.9 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	25/12.5			Breakdown Torque	102 LB-FT
R.P.M.	1770			Pull-up Torque	53.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	74.2 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	105 A
Service Factor (S.F.)	1.15			No-load Current	5.44 A
NEMA Nom. Eff.	92.4	Power Factor	81	Line-line Res. @ 25°C	0.799 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	76°C
S.F. Amps				Temp. Rise @ S.F. Load	93°C
				Locked-rotor Power Factor	31.7
				Rotor inertia	1.38 LB-FT ²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	65	76	81	83	84	82
Efficiency	88	92.6	93	92.9	92.2	91.5	92.5
Speed	1793	1786	1778	1770	1762	1752	1765
Line amperes	6.18	7.79	10	12.5	15.3	18.3	14.2

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





