

BALDOR® • RELIANCE

Product Information Packet

JMSSEWDM3615T

5HP,1750RPM,3PH,60HZ,184JM,3646M,TEFC,F1

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646M	Elec. Spec:	36WGS953	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36G579	Layout:	36LYG579
Frame:	184JM	Mounting:	F1	Poles:	04	Created Date:	06-04-2012
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	02-14-2017
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953B01

CAT.NO.	JMSSEWDM3615T									
SPEC.	36G579S953G1									
HP	5									
VOLTS	230/460									
AMP	13/6.5									
RPM	1750									
FRAME	184JM					HZ		60		
SER.F.	1.15			CODE		J	DES		B	
NEMA-NOM-EFF	89.5			PF		81			CLASS	
RATING	40C AMB-CONT									
CC	010A			USABLE AT 208V			13.8			
DE	6207			ODE		6206				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA245912	SA 36G579S953G1	1.000 EA
RA232797	RA 36G579S953G1	1.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
36FE1912A05	FREP TEFC 206 BRG (STAINLESS)	1.000 EA
RM1070A42	O-RING,(#70-7.239) VITON .070X7.239	1.000 EA
HW4600F25	AXIAL FACE SEAL AFX-30 304SS/V107 SS CAS	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
36PE1908A25	PU ENDPLATE ASSY	1.000 EA
RM1070A42	O-RING,(#70-7.239) VITON .070X7.239	1.000 EA
HW4600F79	35MM X 53MM X 4.5MM,VITON FACE SEAL AFS	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
RM1070A14	O-RING, -010 VITON/FKM .070CS X .239ID	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4007	FAN COVER #304 STAINLESS W/OUT GREASER	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
HW3200S01	EYEBOLT 3/8-16 X3/4 S.S. TDR #35988	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
HA3101S29	THRUBOLT- 1/4-20X13.00 SS	4.000 EA
G0PA1000	PKG 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 # 57384 - Typical performance - not guaranteed values

Winding: 36WGS953-R006	Type: 3646M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	15.2 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	13/6.5			Breakdown Torque	49.7 LB-FT
R.P.M.	1750			Pull-up Torque	27.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	32.3 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	48.3 A
Service Factor (S.F.)	1.15			No-load Current	2.91 A
NEMA Nom. Eff.	89.5	Power Factor	81	Line-line Res. @ 25°C	2.32 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	87°C
S.F. Amps				Temp. Rise @ S.F. Load	107°C
				Locked-rotor Power Factor	39
				Rotor inertia	0.428 LB-FT ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	75	81	83	84	82
Efficiency	86.7	90.5	90.8	90.1	88.4	86.6	89.1
Speed	1788	1776	1763	1748	1732	1714	1738
Line amperes	3.27	4.1	5.2	6.49	8.02	9.69	7.41

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values





