

BALDOR® • RELIANCE

Product Information Packet

CSSEWDFM3615T

5HP,1750RPM,3PH,60HZ,184TC,3646M,TEFC,F2

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646M	Elec. Spec:	36WGS953	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36M549	Layout:	36LYM549
Frame:	184TC	Mounting:	F2	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 NP1953F01

CAT.NO.	CSSEWDFM3615T										
SPEC.	36M549S953G1										
HP	5										
VOLTS	208-230/460										
AMP	13.8-13/6.5										
RPM	1750										
FRAME	184TC					HZ		60			
SER.F.	1.15			CODE		J	DES		B	CLASS	PH 3
NEMA-NOM-EFF	89.5				PF		81				
RATING	40C AMB-CONT										
CC	010A					USABLE AT 208V					
DE	6206					ODE		6206			
ENCL	TEFC		SN								

Parts List		
Part Number	Description	Quantity
SA245917	SA 36M549S953G1	1.000 EA
RA232802	RA 36M549S953G1	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
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
36PE1913A03	PUEP 182-4TC ENCL 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
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
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	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
MJ5004A37	#76732 LOCTITE ANTISEIZE THRD COMPOUND	0.005 EA

Parts List (continued)		
Part Number	Description	Quantity
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 # 38664 - Typical performance - not guaranteed values

Winding: 36WGS953-R001	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	208-230/460			Start Configuration	direct on line
Full Load Amps	13.8-13/6.5			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	2.3457 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	87°C
S.F. Amps				Temp. Rise @ S.F. Load	109°C

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	86.6	90.5	90.7	89.8	88.4	86.5	89
Speed	1788.2	1775.9	1762.8	1747.9	1731.9	1713.7	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





