

BALDOR® • RELIANCE

Product Information Packet

CESSWDM3615T

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

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646M	Elec. Spec:	36WGS719	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36L738	Layout:	36LYL738
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	04-13-2011
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-03-2017
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953B01

CAT.NO.	CESSWDM3615T									
SPEC.	36L738S719G1									
HP	5									
VOLTS	230/460									
AMP	13/6.5									
RPM	1750									
FRAME	184TC					HZ		60		
SER.F.	1.15				CODE	J	DES		B	
NEMA-NOM-EFF	89.5				PF	81				
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					
DE	6206				ODE	6205				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA221365	SA 36L738S719G1	1.000 EA
RA208503	RA 36L738S719G1	1.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
36CB1003A01	CONDUIT BOX	1.000 EA
36GS1025	36 MOLDED GASKET W/LIP, LEAD SEAL, FOR	1.000 EA
51XN1032A10	10-32 X 0.625 HX WS SL SR ZN	2.000 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	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
36FE1907A01	FR EP ASSY W/EP FROM SOUTHERN TOOL STAIN	1.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE1908A03	PU ENDPLATE ASSY	1.000 EA
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	4.000 EA
HA1049A02	DUBO LOK WASHER SIZE 1/4 (NYLON LOCK SEA	4.000 EA
HA1049A02	DUBO LOK WASHER SIZE 1/4 (NYLON LOCK SEA	4.000 EA
36FH4011	WASHDOWN FAN COVER #304 STAINLESS W/NOTC	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
HW4609A03	TZUJ SEAL 1.156 SHAFT 1.875 BORE	1.000 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

Parts List (continued)		
Part Number	Description	Quantity
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 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
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
HA3101S29	THRUBOLT- 1/4-20X13.00 SS	4.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 36851 - Typical performance - not guaranteed values

Winding: 36WGS719-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 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	2.3457 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	86.3	90.3	90.6	89.8	88.4	86.5	89
Speed	1788.5	1776.4	1763.2	1748.5	1732.5	1714.2	1739
Line amperes	3.26	4.07	5.17	6.44	7.96	9.65	7.35

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





