

BALDOR® • RELIANCE

Product Information Packet

CEWAM3708T

5HP,1160RPM,3PH,60HZ,215TC,3750M,TEFC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3750M	Elec. Spec:	37WGT921	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37J961	Layout:	37LYJ961
Frame:	215TC	Mounting:	F1	Poles:	06	Created Date:	04-26-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-05-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1669L									
CAT.NO.	CEWAM3708T								
SPEC.	37J961T921G1								
HP	5								
VOLTS	208-230/460								
AMP	15.6-14.4/7.2								
RPM	1160								
FRAME	215TC	HZ			60	PH		3	
SER.F.	1.15	CODE			K	DES		A	CLASS
NEMA-NOM-EFF	89.5	PF			72				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6307	ODE			6206				
ENCL	TEFC	SN							
BLANK									

Parts List		
Part Number	Description	Quantity
SA193967	SA 37J961T921G1	1.000 EA
RA181561	RA 37J961T921G1	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB1000A17A	37 KOBX W/ .75 NPT @ 6: W/ AUTOPHORETIC	1.000 EA
37GS1016B01	SANTOPRENE KOBX GASKET W/LIP (BLACK)	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
37EP1100C05A	FRONT TEFC 206 BRG WD3 W/ CLIPPER (AUTOP	1.000 EA
HW4606A03	JM CLIPPER/SEAL (LWE-1156-1875-AL44)	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP1300A95A	PULLEY 213-5TC ENCL 307 BRG WD3 W/ AUTOP	1.000 EA
HW4606A04	JM CLIPPER/SEAL (LWE-1376-2125-AL45)	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	4.000 EA
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4011	WASHDOWN IEC FH W/AUTOPHORETIC PRIMER	1.000 EA
10XN1032S08	10-32X1/2 HEX HEAD S STL	3.000 EA
36CB4518	36 LIPPED CB LID AUTOPHORETIC	1.000 EA
37GS1003	1/16 NEOPRENE GASKET-BLACK, CONDUIT BOX	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
MG1025A01	PAINT, 770.02 WILKOFASST CLEAR EPOXY	0.010 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ5001A23	P.D. GEORGE B-276 AIR DRY VARNISH	0.001 GA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3104S18	THRUBOLT 5/16-18X14 SS	4.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1669L	SS WD SUPER-E UL CSA-EEV PREM REV MTG	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 35797 - Typical performance - not guaranteed values

Winding: 37WGT921-R005	Type: 3750M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	22.6 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	15.6-14.4/7.2			Breakdown Torque	76.5 LB-FT
R.P.M.	1160			Pull-up Torque	41 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	51.7 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	51.2 A
Service Factor (S.F.)	1.15			No-load Current	3.52 A
NEMA Nom. Eff.	89.5	Power Factor	72	Line-line Res. @ 25°C	1.57 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	56°C
S.F. Amps				Temp. Rise @ S.F. Load	69°C
				Rotor inertia	1.24 LF ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	66	72	75	77	74
Efficiency	86.7	90.7	91.1	90.4	89.2	87.3	89.7
Speed	1190	1182	1172	1162	1150	1137	1155
Line amperes	3.85	4.69	5.81	7.17	8.72	10.5	8.1

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





