

BALDOR® • RELIANCE

Product Information Packet

CEM2394T

15HP,3520RPM,3PH,60HZ,254TC,0930M,TEFC,F

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0930M	Elec. Spec:	09WGZ602	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09C102	Layout:	09LYC102
Frame:	254TC	Mounting:	F1	Poles:	02	Created Date:	06-09-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-07-2016
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441LUA

CAT.NO.	CEM2394T												
SPEC.	09C102Z602G1												
HP	15												
VOLTS	230/460												
AMP	35/17.5												
RPM	3520												
FRAME	254TC				HZ		60			PH		3	
SER.F.	1.15		CODE		G	DES		B	CL		F		
NEMA-NOM-EFF	91		PF		87								
RATING	40C AMB-CONT												
CC	010A		USABLE AT 208V						38				
DE	6309				ODE		6208						
ENCL	TEFC		SN										
NVERTER READY													
10:1)VT3-60H(20:1													
50Hz 15HP 190/380V 42/21A													

Parts List		
Part Number	Description	Quantity
SA198120	SA 09C102Z602G1	1.000 EA
RA185487	RA 09C102Z602G1	1.000 EA
37FN3002C02	EXFN, PLASTIC, 6.00 OD, 1.500 ID	1.000 EA
S/P107-000-005	SUPER-E PROC'S(254/6 FR.) ZK PLANT - POL	1.000 EA
HW1002A63	WASHER, 5/8 HI-COLLAR SPRLCKWASHER	1.000 EA
09CB3002	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
09FE1100A194	FREP 09EP1100A194 FOR PLANT ROUTING	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
09EP1300A155	PUEP MACH W/309 BRG & "O" DRAIN, SLINGER	1.000 EA
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3113A02	THRUBOLT 3/8-16 X 16.750	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA2081A05	SPACER TUBE, 309 FAN HSG, 2.00 LONG	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
09CB3501	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HW4500A05	1669B ALEM/UNIV860 GR FTG X	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 EA
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
09FH4000SP	FAN COVER, STAMPED	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA

NP3441LUA	ALUM SUPER-E VPWM INV READY UL	1.000 EA
09PA1000	PACKAGING GROUP COMBINED PRINT	1.000 EA

AC Induction Motor Performance Data

Record # 31412 - Typical performance - not guaranteed values

Winding: 09WGZ602-R001	Type: 0930M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	22.1 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	35/17.5			Breakdown Torque	105 LB-FT
R.P.M.	3525			Pull-up Torque	26.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	36.3 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	110 A
Service Factor (S.F.)	1.15			No-load Current	5.58 A
NEMA Nom. Eff.	91	Power Factor	87	Line-line Res. @ 25°C	0.68654 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	78°C
				Locked-rotor Power Factor	30
				Rotor inertia	0.766 LB-FT ²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	77	85	87	89	89	88
Efficiency	86.4	91	91.6	91	90	88.6	90.4
Speed	3582.7	3563.6	3542.7	3520.9	3495.8	3468.3	3506
Line amperes	6.93	9.78	13.5	17.5	21.6	26.4	20

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values





