

BALDOR® • RELIANCE

Product Information Packet

CEM2513T

15HP,1765RPM,3PH,60HZ,254TC,3938M,OPSB,F

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3938M	Elec. Spec:	39WGW916	CD Diagram:	CD0180
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	39D102	Layout:	39LYD102
Frame:	254TC	Mounting:	F1	Poles:	04	Created Date:	08-03-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-05-2014
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L									
CAT.NO.	CEM2513T								
SPEC.	39D102W916G2								
HP	15								
VOLTS	230/460								
AMP	35.4/17.7								
RPM	1765								
FRAME	254TC	HZ			60	PH	3		
SER.F.	1.15	CODE			G	DES	B	CL	F
NEMA-NOM-EFF	93	PF			86				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			37.4				
DE	6309	ODE			6208				
ENCL	OPSB	SN							

Parts List		
Part Number	Description	Quantity
SA200896	SA 39D102W916G2	1.000 EA
RA188206	RA 39D102W916G2	1.000 EA
S/P107-000-005	SUPER-E PROC'S(254/6 FR.) ZK PLANT - POL	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
HA6016	ADAPTER, CAST CONDUIT BOX	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	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
39EP3200A01SP	FR/PU ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
39EP3400A01	STD FACE MTD ENDPLATE 309 BRG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	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
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.030 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.050 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
HA3154A09	TB STUD 3/8-16 X 16.25	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
39PA1000	PACKAGING GROUP 39 PRINT	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 12993 - Typical performance - not guaranteed values

Winding: 39WGW916-R001	Type: 3938M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	44.6 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	35.4/17.7			Breakdown Torque	171 LB-FT
R.P.M.	1765			Pull-up Torque	78.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	99.4 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	118 A
Service Factor (S.F.)	1.15			No-load Current	7.27 A
NEMA Nom. Eff.	93	Power Factor	86	Line-line Res. @ 25°C	0.622 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	22°C
S.F. Amps				Temp. Rise @ S.F. Load	29°C
				Rotor inertia	1.66 LF ²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	47	70	81	86	88	89	87
Efficiency	90.1	93.3	93.5	93.1	92.2	91	92.6
Speed	1792	1784	1775	1765	1754	1742	1759
Line amperes	8.27	10.72	13.99	17.67	21.74	26.21	20.11

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





