

BALDOR® • RELIANCE

Product Information Packet

CM3713T

15HP,3450RPM,3PH,60HZ,215TC,3750M,TEFC

Part Detail							
Revision:	N	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3750M	Elec. Spec:	37WGY719	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37H478	Layout:	37LYH478
Frame:	215TC	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-11-2009
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	CM3713T								
SPEC.	37H478Y719H1								
HP	15								
VOLTS	208-230/460								
AMP	37.5-34/17								
RPM	3450								
FRAME	215TC	HZ			60	PH		3	
SER.F.	1.15	CODE			K	DES		A	CLASS
NEMA-NOM-EFF	90.2	PF			91				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			37.5				
DE	6307	ODE			6206				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA062751	SA 37H478Y719H1	1.000 EA
RA056978	RA 37H478Y719H1	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3004	37 CB CASTING W/1.09 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	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
37EP3101A01SP	FR ENDPLATE,TEFC, 37 L&M, W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3300A01	FACE MT ENDPLATE-ENCL-307 BRG-213TC-215T	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A30	HEX HD CAP SCREW-STD THD-.25 X 20 THD PE	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3104A25	THRUBOLT .31-18 X 14.75	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007SP	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008SP	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
S/P101-000-000	EPACT PROCEDURES-FS PLANT-POLYREX EM, NO	1.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 12513 - Typical performance - not guaranteed values

Winding: 37WGY719-R001	Type: 3750M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	22.2 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	37.5-34/17			Breakdown Torque	122 LB-FT
R.P.M.	3450			Pull-up Torque	43.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	58.1 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	157 A
Service Factor (S.F.)	1.15			No-load Current	4.25 A
NEMA Nom. Eff.	90.2	Power Factor	91	Line-line Res. @ 25°C	0.571 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	80°C
S.F. Amps				Temp. Rise @ S.F. Load	101°C
				Rotor inertia	0.457 LF ²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	68	86	91	93	93	93	93
Efficiency	85.8	90.4	90.8	90.2	88.8	87.3	89.4
Speed	3572	3545	3514	3483	3447	3410	3461
Line amperes	5.64	8.7	12.5	16.4	20.9	25.6	19.1

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





