



Product Information Packet

CM3313T

10HP,1765RPM,3PH,60HZ,215TC,3733M,OPSB,F

Part Detail							
Revision:	C	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGS131	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37B102	Layout:	37LYB102	Poles:	04	Created Date:	10-05-2006
Base:	RG	Eff. Date:	05-19-2009	Leads:	9#14		

Specs			
Catalog Number:	CM3313T	Insulation Class:	B
Enclosure:	ODP	Inverter Code:	Not Inverter
Frame:	215TC	KVA Code:	J
Output @ Frequency:	10.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	208.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3733M
Agency Approvals:	CSA	Mounting Arrangement:	F1
	UR	Power Factor:	78
Auxillary Box:	No Auxillary Box	Product Family:	General Purpose
Auxillary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	Rigid	Pulley Face Code:	C-Face
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Standard
Blower:	None	Rodent Screen:	None
Current @ Voltage:	13.400 A @ 460.0 V	Shaft Extension Location:	Pulley End
	26.800 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	29.000 A @ 208.0 V	Shaft Rotation:	Reversible
Design Code:	A	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	CM3313T										
SPEC.	37B102S131H1										
HP	10										
VOLTS	208-230/460										
AMP	29-26.8/13.4										
RPM	1765										
FRAME	215TC				HZ		60			PH	3
SER.F.	1.15			CODE	J	DES		A	CLASS	B	
NEMA-NOM-EFF	89.5			PF	78						
RATING	40C AMB-CONT										
CC	010A			USABLE AT 208V							
DE	6307			ODE	6206						
ENCL	OPSB		SN								

Parts List		
Part Number	Description	Quantity
SA149186	SA 37B102S131H1	1.000 EA
RA138123	RA 37B102S131H1	1.000 EA
S/P101-000-000	EPACT PROCEDURES-FS PLANT-POLYREX EM, NO	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3203A00	FR ENDPLATE, 37L&M, OPEN, MACH, W/GREASE	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3400A01	FACE MT EP-OPEN-307 BRG-213-215TC W/GREA	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
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	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
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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
37AD2001A01	BAFFLE PLATE, PLASTIC 0.63" WIDTH	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA3104A39	THRUBOLT-5/16-18 X 12.250	4.000 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 INDUSTRIAL MOTOR A60	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 52458 - Typical performance - not guaranteed values

Winding: 37WGS131-R014	Type: 3734M	Enclosure: OPSB
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Nameplate Data				400 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	35.81 LB-FT
Volts	200/400			Start Configuration	direct on line
Full Load Amps	31/15.5			Breakdown Torque	100 LB-FT
R.P.M.	1450			Pull-up Torque	66.89 LB-FT
Hz	50	Phase	3	Locked-rotor Torque	74.74 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	98.6 A
Service Factor (S.F.)	1			No-load Current	7.88 A
NEMA Nom. Eff.	87.5	Power Factor	79	Line-line Res. @ 25°C	1.14 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
				Locked-rotor Power Factor	44
				Rotor inertia	0.836 LB-FT ²

Load Characteristics 400 V, 50 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	37	59	72	78	82	83
Efficiency	82.7	88.5	89.2	88.7	87.5	85.9
Speed	1490	1483	1473	1464	1454	1441
Line amperes	8.4	10.07	12.47	15.45	18.71	22.52

Performance Graph at 400V, 50Hz, 10.0HP Typical performance - Not guaranteed values





