



Product Information Packet

CM3713T

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

Part Detail							
Revision:	N	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGY719	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37H478	Layout:	37LYH478	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	12-11-2009	Leads:	9#14		

Specs			
Catalog Number:	CM3713T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	215TC	KVA Code:	K
Output @ Frequency:	15.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	3600 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:	3750M
Agency Approvals:	CSA	Mounting Arrangement:	F1
	UR	Power Factor:	91
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:	17.000 A @ 460.0 V	Shaft Extension Location:	Pulley End
	34.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	37.500 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.	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	F	
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	FRONT TEFC 206 BRG 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
36FN3000C02SP	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007SP	PRIMED	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
37GS1008	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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	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 INDUSTRIAL MOTOR A60	1.000 EA
37PA1039	PALLET PACK GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	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
				Locked-rotor Power Factor	32
				Rotor inertia	0.457 LB-FT 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





