



Product Information Packet

CL3712T

10HP,1740RPM,1PH,60HZ,213TC,3748LC,TEFC

Part Detail

Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGT875	CD Diagram:	CD1084	Mfg Plant:	
Mech. Spec:	37M317	Layout:	37LYM317	Poles:	04	Created Date:	02-05-2010
Base:	RG	Eff. Date:	08-10-2016	Leads:	2#10 A PH,2#14 B PH		

Specs

Catalog Number:	CL3712T	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	F
Frame:	215TC	Lifting Lugs:	Standard Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	10.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	2 @ 10 AWG, A PH
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Cap Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3748LC
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	98
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	38.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	L	Shaft Rotation:	Reversible

Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	No Slinger
Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Direct on line
Front Face Code:	Standard	Thermal Device - Bearing:	None
Front Shaft Indicator:	None	Thermal Device - Winding:	None
Heater Indicator:	No Heater	Vibration Sensor Indicator:	No Vibration Sensor
Insulation Class:	F	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	CL3712T									
SPEC.	37M317T875									
HP	10									
VOLTS	230									
AMP	38									
RPM	1740									
FRAME	215TC				HZ		60		PH	1
SER.F.	1.00		CODE		F		DES		L	
NEMA-NOM-EFF	86.5		PF		98		CLASS		F	
RATING	40C AMB-CONT									
CC			USABLE AT 208V							
DE	6307			ODE		6206				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA190775	SA 37M317T875	1.000 EA
RA178441	RA 37M317T875	1.000 EA
OC3050F09SP	CAPACITOR 50 MFD 370 VAC	2.000 EA
RE5029	MARS 91423 DOUBLE POLE 230-240V CONTACTO	1.000 EA
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	4.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37EP3101A01	FR ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
37CB3804A42	CAPAC. BOX 37 MOTORS FOR 6-7 CAPAC. W/RE	1.000 EA
37CB2804	ADAPTER, 37 KO BOX (SHOE BOX)	2.000 EA
37GS1017	GASKET - CONDUIT BOX .06 THK NEOPRENE	4.000 EA
19XW2520A16	SCREW,1/4-20X1 TAPTITE-II OR ROLOC 91	4.000 EA
HA6003A47	CAPAC CLAMP	1.000 EA
HA6003A45	CAPAC CLAMP - CLIP (WHITE ZINC PLATED)	2.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	4.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37PE3300A01	PUEP ASSEMBLY FOR ROUTING	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

Parts List (continued)		
Part Number	Description	Quantity
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007A06	IEC FH W/GRS, NOT @6, 3 F/C HOL & NOT FO	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4509	CAPAC BOX LID, STAMPED	1.000 EA
37GS3016	GASKET, CAPAC BOX LID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	6.000 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
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
SP5172A06	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	12.000 EA
HA3104A25	THRUBOLT .31-18 X 14.75	4.000 EA
NS2539	INSULATOR FOR 37 FRAMESWITCH (MH1011A10)	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	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 # 37141 - Typical performance - not guaranteed values

Winding: 37WGT875-R001	Type: 3748LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	29.8 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	38			Breakdown Torque	84 LB-FT
R.P.M.	1740			Pull-up Torque	56.4 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	76.8 LB-FT
NEMA Design Code	L	KVA Code	F	Starting Current	234 A
Service Factor (S.F.)	1			No-load Current	4.37 A
NEMA Nom. Eff.	86.5	Power Factor	98	Line-line Res. @ 25°C	0.17 Ω A Ph 0.488 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	96°C

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	96	98	98	98	97	95
Efficiency	75.4	86.2	87.7	86.8	84.1	79.4
Speed	1788	1775	1759	1741	1720	1696
Line amperes	10.7	18.9	28	37.7	49.1	64.9

Performance Graph at 230V, 60Hz, 10.0HP Typical performance - Not guaranteed values





