

MK Diamond Products, Inc.  
 1315 Storm Parkway  
 Torrance, CA 90509-2803

<b>SPECIFICATION SHEET</b>			<b>Date</b> 01/04/19
MK Part Number <b>172796</b>	MK Description MTR, 10HP 230V 60HZ 1PH, 1725RPM OV, L1512T	Revision -	
Manufacturer/Supplier P/N <b>L1512T</b>	Manufacturer/Vendor Description L1512T 10HP, 1725RPM, 1PH, 60HZ, 215T, 3737LC, OPSB, F		
Manufacturer Information BALDOR RELIANCE	Supplier Information POWER REPS, INC.	Alternate Manufacturer NONE	
Specifications:			
SEE FOLLOWING PAGES FOR SPECIFICATIONS			
			
<u>Replacement Parts</u> 168289 CAPACITOR, RUN, OC3050F09SP (1 each per motor) 162710 CAPACITOR, START, EC1216C06SP (2 each per motor) 173090 CAPACITOR, START, EC1189C06SP (2 each per motor)			
Rev	Description	Date	Approved
-	INITIAL RELEASE, ECO# 2429	01/04/19	SMH

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**Product Information Packet**

**L1512T**

**10HP,1725RPM,1PH,60HZ,215T,3737LC,OPSB,F**

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGT923	CD Diagram:	CD1084	Mfg Plant:	
Mech. Spec:	37L969	Layout:	37LYL969	Poles:	04	Created Date:	11-16-2007
Base:	RG	Eff. Date:	07-16-2018	Leads:	2#10 A PH,2#14 B PH		

Specs			
Catalog Number:	L1512T	Inverter Code:	Not Inverter
Enclosure:	OPSB	KVA Code:	E
Frame:	215T	Lifting Lugs:	Standard Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No 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:	3737LC
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	97
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
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:	39.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	L	Shaft Rotation:	Reversible

Product Information Packet: L1512T - 10HP,1725RPM,1PH,60HZ,215T,3737LC,OPSB,F

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.	L1512T									
SPEC.	37L969T923G1									
HP	10									
VOLTS	230									
AMP	39									
RPM	1725									
FRAME	215T				HZ	60			PH	1
SER.F.	1.00		CODE	E	DES	L		CLASS	F	
NEMA-NOM-EFF	85.5		PF	97						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6307				ODE	6206				
ENCL	OPSB			SN						

Parts List		
Part Number	Description	Quantity
SA165065	SA 37L969T923G1	1.000 EA
RA153477	RA 37L969T923G1	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.	2.000 EA
EC1189C06SP	ELEC CAP, 189-227 MFD, 250V, 2.06D X 4.	2.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
37CB3804A42	CAPAC. BOX 37 MOTORS FOR 6-7 CAPAC. W/RE	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	4.000 EA
HA6003A45	CAPAC CLAMP - CLIP (WHITE ZINC PLATED)	2.000 EA
51XB1016A07	10-16 X 7/16 HWSSLD SERTYB	4.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3203A00	MASTER,ODE,206 BRG,GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
37AD2005	BAFFLE PLATE, FOR OPSB 1 PHASE	1.000 EA
HW5100A06	W2420-025 WY WSHR (WB)	1.000 EA
37EP3204D00	MASTER,DE,307 BRG,GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
37CB4509	CAPAC BOX LID, STAMPED	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

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
SP5172A06	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 EA
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	12.000 EA
37AD2001A01	BAFFLE PLATE, PLASTIC 0.63" WIDTH	1.000 EA
HA3104A35	THRUBOLT .31-18 X 13.687	4.000 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
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-1404	C FACE KIT	A8



**AC Induction Motor Performance Data**  
Record # 61323 - Typical performance - not guaranteed values

<b>Winding:</b> 37WGT923-R003	<b>Type:</b> 3737LC	<b>Enclosure:</b> OPSB
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	30.3 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	39			Breakdown Torque	76.1 LB-FT
R.P.M.	1725			Pull-up Torque	51.8 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	78.4 LB-FT
NEMA Design Code	L	KVA Code	E	Starting Current	211 A
Service Factor (S.F.)	1			No-load Current	6.2 A
NEMA Nom. Eff.	85.5	Power Factor	97	Line-line Res. @ 25°C	0.242 Ω A Ph 0.538 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	73°C

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125
Power Factor	94	97	98	97	96
Efficiency	76.1	86	87.5	85.7	81.8
Speed	1785	1770	1751	1727	1699
Line amperes	11.3	19.2	28.3	38.8	50.9

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





