

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

SPECIFICATION SHEET			Date 09/06/13
MK Part Number 168022G	MK Description MTR, 1-1/2HP, 115V, GRN	Revision -	
Manufacturer P/N 34F818R006G1	Manufacturer/Vendor Description MOTOR, 1.5HP, 3400RPM, 1PH, 60HZ, 56YZ, 3416LC, TCFC		
Manufacturer Information BALDOR ELECTRIC CO. FORT SMITH, AR 72901	Vendor Information POWER REPS, INC. V# 002520	Alternate Manufacturer NONE	
Specifications:			
SEE FOLLOWING PAGES FOR FULL SPECIFICATIONS			
<u>REPLACEMENT PARTS</u>			
171021 CAPACITOR, START, 189-227MFD, EC1189A02SP (USE FOR MOTORS 158297, 168022 AND 168022G)			
171022 CAPACITOR, RUN, 30MFD, OC3030F115P (USE FOR MOTORS 158297, 168022 AND 168022G)			
171023 SWITCH, THERM O/L, 0.75MAN, TPMRJ22RB (USE FOR MOTORS 168022 AND 168022G)			
171033 FAN, MTR, 34FN3002A01SP (USE FOR MOTORS 158297, 160127, 163165, 168022, 168022G AND 168501)			
153419 CORD, POWER, 14/3 115V OR 153419-TL CORD, POWER, 14/3 115V, TL (FOR 168022-TLG)			
158253 CORD, PUMP 18/3 SJTW X 5-15R			
168969 HOUSING, CAPACITOR, 34CB3801A12			
Rev	Description	Date	Approved
-	INITIAL RELEASE, ECO# 2082	09/06/13	SMH

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SPECIFICATION SHEET			Date 09/06/13
MK Part Number 168022G-NL	MK Description MTR, 1-1/2HP, 115V, GRN, NL	Revision -	
ITEM TYPE TYPE 0	PLANNER 90000		
<p>AS400 BOM FOR 168022G-NL: ITEM #1: 1EA 168022G MTR, 1-1/2HP, 115V, GRN</p>			
<p>MODIFICATION INSTRUCTIONS:</p> <p>GRIND OR MILL TO REMOVE MK LOGO FROM TOP OF CAPACITOR BOX AND TOUCH UP WITH APPROPRIATE COLOR SPRAY PAINT.</p>			
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-	INITIAL RELEASE, ECO# 2082	09/06/13	SMH

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SPECIFICATION SHEET		Date	
MK Part Number 168022-TLG		MK Description MTR, 1-1/2HP, 115V, GRN, NL	
		Revision -	
ITEM TYPE TYPE 0		PLANNER 90000	
<p>AS400 BOM FOR 168022G-NL: ITEM 1: 1EA 168022G MTR, 1-1/2HP, 115V, GRN ITEM 2: 1EA 157549 PLUG,TWIST-LOCK 3-PRONG L5-15P</p>			
<p>MODIFICATION INSTRUCTIONS:</p> <p>CUT MOLDED ON 5-15P STRAIGHT PRONG PLUG OFF OF THE END OF THE POWER CORD. ADD WIRE ON L5-15P TWIST LOCK PLUG TO END OF POWER CORD, FOLLOWING PLUG MANUFACTURER INSTRUCTIONS FOR ROJ (REMOVAL OF JACKET), BWS (BARE WIRE STRIP) LENGTHS, AND ALL OTHER ASSEMBLY REQUIREMENTS.</p>			
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Product Information Packet

34F818R006G1

1.5HP,3400RPM,1PH,60HZ,56YZ,3416LC,TEFC

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	Yes
Type:	AC	Prod. Type:	3416LC	Elec. Spec:	34WGR006	CD Diagram:	CD0815B04
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34F818	Layout:	34LYF818
Frame:	56YZ	Mounting:	F1	Poles:	02	Created Date:	03-06-2013
Base:	RG	Rotation:	FS	Insulation:	F	Eff. Date:	08-11-2015
Leads:	1#14 #4TH,5#16,3#18 8,E,W/ 8,E AND W/RED					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1308L							
CAT.NO.							
SPEC.	34F818R006G1						
HP	1.5						
VOLTS	115						
AMP	14.5						
RPM	3400						
FRAME	56YZ	HZ	60	PH	1		
SER.F.	1.00	CODE	D	DES	-	CLASS	F
NEMA-NOM-EFF		PF					
RATING	25C AMB-30 MIN						
CC		USABLE AT 208V					
DE	6203	ODE	6203				
ENCL	TEFC	SN					
	168022						

Parts List		
Part Number	Description	Quantity
SA260289	SA 34F818R006G1	1.000 EA
RA247035	RA 34F818R006G1	1.000 EA
OC3030F11SP	CYL OIL CAP 30MFD/370V	1.000 EA
TPMRJ22RB	THERMAL 1PH 0.75 MAN 120C	1.000 EA
EC1189A02SP	61B2D120189NNBA ELEC CAP, 189-227MFD, 12	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
HA6001A03	THERMAL RETAINER (PLATED)	1.000 EA
NS2500A04	THERMAL INSULATOR W/OD OF 1.170	1.000 EA
34CB5008A02	LC BOX ASSY. W/OFF/ON SWITCH, CORDS W/	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	1.000 EA
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	2.000 EA
34EP3109A27	FR ENDPLATE, MACH	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
RM1101	BOOT PROTECTOR FOR MANUAL THERMAL	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3109A28	FR ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A03SP	IEC FH NO GREASER W/.88 DIA SHAFT HOLE,	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	3.000 EA
WD4006A04	T&B RC-6,WIRE JOINT (BULK PACK)	4.000 EA
HW3207A02	7 1/2" DENN CABLE TIE (F/S)	1.000 EA
MG1025N02	PAINT- 788-02 WILKOFAS MK DIAMOND GREEN	0.014 GA
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	2.000 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
SP5051A26	MODEL 35 TORQ STATIONARY SWITCH W/ LEADS	1.000 EA
HA3100A47	THRUBOLT 10-32 X 7.625	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
NP1308L	NAMEPLATE "MK DIAMOND" UL,CSA	1.000 EA
35PA1088	PALLET PACK KIT, 8 PK	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

AC Induction Motor Performance Data
Record # 41347 - Typical performance - not guaranteed values

Winding: 34WGR006-R001	Type: 3416LC	Enclosure: TEFC
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.32 LB-FT
Volts	115			Start Configuration	direct on line
Full Load Amps	14.5			Breakdown Torque	4.11 LB-FT
R.P.M.	3400			Pull-up Torque	1.73 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.7 LB-FT
NEMA Design Code	-	KVA Code	D	Starting Current	55.2 A
Service Factor (S.F.)	1			No-load Current	6.13 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	0.651 Ω A Ph 4.17 Ω B Ph
Rating - Duty	25C AMB-30 MIN			Temp. Rise @ Rated Load	

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125
Power Factor	71	86	91	94	93
Efficiency	53.4	67.6	73.3	68.5	62.3
Speed	3544	3492	3444	3352	3222
Line amperes	6.68	8.63	11	15	19.9

Performance Graph at 115V, 60Hz, 1.5HP Typical performance - Not guaranteed values





