

# **BALDOR® • RELIANCE**

## **Product Information Packet**

# **MK DIAMOND PRODUCTS**

**1.5 SAW DUTYHP,1140RPM,1PH,60HZ,56CZ,354**

Product Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	Yes
Type:	AC	Prod Type:	3546LC	Elec. Spec:	35WGP084	CD Diagram:	CD1560A01
Enclosure	TEFC	Mfg Plant:		Mech Spec:	35U026	Layout:	35LYU026
Frame:	56CZ	Mounting:	F1	Poles:	06	Created Date:	08-04-2005
Base:	N	Rotation:	FOS	Insulation:	F	Eff. Date:	04-04-2008
Leads:	4#16 SEE NOTE,1#14		Y			Replaced By:	
Nameplate NP1308L							
CAT.NO.							
SPEC.	35U026P084G1						
HP	1.5 SAW DUTY						
VOLTS	115/208-230						
AMP	15.6/8.4-7.8						
RPM	1140						
FRAME	56CZ	HZ	60	PH	1		
SER.F.	1.15	CODE	H	DES	L	CLASS	F
NEMA-NOM-EFF	72	PF	88				
RATING	40C AMB-CONT						
CC		USABLE AT 208V					
DE	6205	ODE	6203				
ENCL	TEFC	SN					
	163929						

<b>Parts List</b>			
<b>Product ID</b>	<b>Description</b>	<b>Quantity</b>	<b>List Price</b>
SA132580	SA 35U026P084G1	1.000	351.00
RA122508	RA 35U026P084G1	1.000	293.00
OC3060C09	CYL OIL CAP 60MFD/240V	1.000	24.00
TPCRJ38CBSP	THERMAL 1PH 1.0 MAN 120C	1.000	29.00
EC1400A03SP	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	1.000	23.00
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000	2.00
HW3001A01	D3019 BRASS WASHER(STIMP)	1.000	2.00
WD1000B03	BURNDY YAV14 TERML (1M/PK)	1.000	2.00
35EP3100M02	FREP TEFC 203 BRG W/O GRSR (RAISED FH MT	1.000	28.00
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000	2.00
SP9001A02	0121-0052W/O RG//2GL50-78 CARLING (KIT)	1.000	40.00
NS2536	INS.-HI VOLT SW (EIS) (.014 MYLAR)	1.000	2.00
HW1003A50	LOCKWASHER, 1/2",EXT.TOOTHZINC PLATED	1.000	2.00
HA6216	V.C. SWITCH GUARD X	1.000	13.00
12XN1032A20	10-32X1 1/4 HXWS SLTD	1.000	2.00
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000	2.00
WD4002A05	SW BOOT.MFS-5168/MULTIFLX	1.000	10.00
WD4500A07	RSR212/2535 T&B CRD CLAMP X	1.000	25.00
LD5030A07	#12-5 CORD TYPE SOOW X 54"	1.000	83.00
LD6012A15	CORD, TYPE SO, 12-3 27"	1.000	10.00
WD4500B10	KILLARK ZS109 .500-.625 CORD(SEE EO03 FO	1.000	24.00
WD1400A04	CWL520P A-H COOPER/2311 HUBBELL PLG	1.000	31.00
NS2501A01	INSULATOR, CAPACITOR X	1.000	2.00
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	1.000	16.00

<b>Parts List (continued)</b>			
<b>Product ID</b>	<b>Description</b>	<b>Quantity</b>	<b>List Price</b>
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000	4.00
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000	2.00
35CB3801A97L	CAPACITOR BOX, MACH (BLACK)	1.000	44.00
HA7010	CAPACITOR RETENTION CLAMP	1.000	2.00
34GS3002	GASKET, CAPACITOR BOX	1.000	2.00
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000	2.00
HA6015A02	THERMAL RETAINER (PLATED)	1.000	2.00
NS2500A02	INSULATOR, MAN THER PROT	1.000	2.00
RM1014A01SP	BUTYL RUB.THRM COV. (MENA)	1.000	4.00
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000	3.00
HW5100A03SP	WAVY WASHER (W1543-017)	1.000	2.00
35EP3300A33	SPL FACE MTD EP -ENCL-205 BRG	1.000	80.00
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000	2.00
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000	2.00
35FH4005A32SP	IEC FH NO GRSSR W/3 HOLES - W/AUTOPHERETI	1.000	23.00
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000	3.00
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000	2.00
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000	2.00
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000	2.00
LB1009	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000	2.00
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000	2.00
LB5003A01	TAG, CONNECTION	1.000	2.00
MJ1000A02	GREASE, POLYREX EM EXXON	0.050	10.00
35FN3002A05SP	EXTERNAL FAN, PLASTIC, FOR .637 DIA JOUR	1.000	22.00

<b>Parts List (continued)</b>			
<b>Product ID</b>	<b>Description</b>	<b>Quantity</b>	<b>List Price</b>
MG1025N02	PAINT- 788-02 WILKOFAS MK DIAMOND GREEN	0.017	240.00
HA3100A24	THRUBOLT 10-32 X 10.625	4.000	2.00
SP5051A14	TORQ MODEL 35 LEAD CONFIGURATION	1.000	32.00
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000	2.00
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000	2.00
LB1119	WARNING LABEL	1.000	2.00
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000	2.00
NP1308L	NAMEPLATE "MK DIAMOND" UL,CSA	1.000	
G7PA1000	PACKAGING GROUP / BALDOR	1.000	21.00
PK3082	STYROFOAB CRADLE	1.000	2.00

**Performance Data at 230V, 60Hz, 1.5HP (Typical performance - Not guaranteed values)**

**General Characteristics**

<b>Full Load Torque:</b>	6.91 LB-FT	<b>Start Configuration:</b>	DOL
<b>No-Load Current:</b>	4.04 Amps	<b>Break-Down Torque:</b>	15.2 LB-FT
<b>Line-line Res. @ 25°C.:</b>	2.17 Ohms A Ph / 2.9 Ohms B Ph	<b>Pull-Up Torque:</b>	7.91 LB-FT
<b>Temp. Rise @ Rated Load:</b>	0°C	<b>Locked-Rotor Torque:</b>	11.8 LB-FT
<b>Temp. Rise @ S.F. Load:</b>	0°C	<b>Starting Current:</b>	45.5 Amps

**Load Characteristics**

<b>% of Rated Load:</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor:</b>	63.0	76.0	83.0	88.0	90.0	91.0	89.0
<b>Efficiency:</b>	46.2	63.1	71.2	72.6	73.8	71.0	73.3
<b>Speed:</b>	1191.0	1183.0	1175.0	1164.0	1153.0	1138.0	1157.0
<b>Line Amperes:</b>	4.4	5.31	6.35	7.8	9.27	11.3	8.68

Performance Graph at 230V, 60Hz, 1.5HP (Typical performance - Not guaranteed values)







