

# **BALDOR® • RELIANCE**

## **Product Information Packet**

# **17E949X279G1**

**1.5HP,3400RPM,1PH,60HZ,56YZ,1716LC,TEFC**

Product Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	Yes
Type:	AC	Prod Type:	1716LC	Elec. Spec:	17WGX279	CD Diagram:	CD0815B04
Enclosure	TEFC	Mfg Plant:		Mech Spec:	17E949	Layout:	17LYE949
Frame:	56YZ	Mounting:	F1	Poles:	02	Created Date:	08-03-2009
Base:	RG	Rotation:	FS	Insulation:	F	Eff. Date:	01-06-2010
Leads:	1#14,9#16	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1203							
CAT.NO.		ENCL		TEFC			
SPEC.	17E949X279G1	FRAME		56YZ			
HP	1.5						
VOLTS	115						
AMPS	14.5						
RPM	3400						
HZ	60	PH		1	CL	F	
SER.F.	1.00	DES		-	CODE	D	
FL EFF		PF					
RATING	25C AMB-30 MIN						
SF AMP		USABLE AT 208V					
SER.							
MANUAL	Y	AUTO		N	NONE	N	
BLANK	168022						

Parts List		
Product ID	Description	Quantity
SA184295	SA 17E949X279G1	1.000
RA172135	RA 17E949X279G1	1.000
OC3030F11SP	CYL OIL CAP 30MFD/370V	1.000
EC1189A02SP	61B2D120189NNBA ELEC CAP, 189-227MFD, 12	1.000
TB0167A03	6 POS SHORT FOOT 500 SERIES (22-17 AWG)	1.000
WD1540A01	TERMINAL, 187 SERIES 500 SERIES MAG-MATE	2.000
WD1540A02	TERMINAL, 187 SERIES 500 SERIES MAG-MATE	4.000
RM1101	BOOT PROTECTOR FOR MANUAL THERMAL	1.000
HA6001A01	THERMAL RETAINER (PLATED)	1.000
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000
34CB5008A02	LC BOX ASSY. W/OFF/ON SWITCH, CORDS W/	1.000
34GS3002	GASKET, CAPACITOR BOX	1.000
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	2.000
11XA1214A08	1214 X 1/2 HEX SLT WS HD	2.000
11XT1032G04	10-32 X 1/4" GRD SCREW	2.000
34EP3109A07	FR ENDPLATE, MACH - SPECIAL RABBET	1.000
HW5100A03SP	WAVY WASHER (W1543-017)	1.000
17EP3100C06	PU ENDPLATE, MACH (ENCLOSED)	1.000
XY1032A08	10-32X.125 HEX NUT SERRATED ON BOTH SID	4.000
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000
34FH4002A01SP	IEC FH NO GREASER	1.000
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	3.000
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000

Parts List (continued)		
Product ID	Description	Quantity
LB1385	MTO WARNING LABEL 1.25"OD X .75 ID	1.000
WD4006A04	RC-6 T&B WIRE JOINT (BULK PACK)	3.000
HA3100A67	THRU BOLT #10-32 X 9.063	4.000
SP5056SP	MODEL 34/35 SINGLE ARM STAT. SWITCH W/ T	1.000
LB1171	LABEL CARTON 6X6 ON LINE BLANK ROLLS	0.063
LB5040	INSTRUCTION TAG, AC & DC	1.000
NP1203	NP LABEL (FOR COMMERCIAL MOTOR)	1.000
35PA1088	BULK PACK KIT, 8 PK	1.000
LD5000A298	LEAD ASSY, ML1400AC16, 8", W/FLAGS	1.000
LD53203A01	LEAD ASSY, ML14-EB16, 10", W/(2) WD1000A	1.000
LD53247A01	LD ASSY, ML14-JH14, 10", STRIPS	1.000
LD53248A01	LD ASSY, ML14-4F14, 10", STRIPS	1.000
LD5000A394	LEAD ASSY, ML1400AF14, 10", STRIP'D ENDS	1.000
LD53743	LEAD ASSY. MAG MATE	1.000

**Performance Data at 115V, 60Hz, 1.5HP (Typical performance - Not guaranteed values)**

General Characteristics							
<b>Full Load Torque:</b>	2.31 LB-FT			<b>Start Configuration:</b>	DOL		
<b>No-Load Current:</b>	4.29 Amps			<b>Break-Down Torque:</b>	4.1 LB-FT		
<b>Line-line Res. @ 25°C.:</b>	0.70377 Ohms A Ph / 3.9485 Ohms B Ph			<b>Pull-Up Torque:</b>	1.71 LB-FT		
<b>Temp. Rise @ Rated Load:</b>	118°C			<b>Locked-Rotor Torque:</b>	3.65 LB-FT		
<b>Temp. Rise @ S.F. Load:</b>	0°C			<b>Starting Current:</b>	54.8 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>	84.0	93.0	95.0	96.0	96.0	0.0	0.0
<b>Efficiency:</b>	53.6	67.9	73.8	68.6	62.8	0.0	0.0
<b>Speed:</b>	3545.9	3495.4	3450.1	3360.8	3234.0	0.0	0.0
<b>Line Amperes:</b>	5.71	7.96	10.5	14.5	19.3	0.0	0.0

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





