

BALDOR® • RELIANCE

Product Information Packet

L1403

1.5HP,1725RPM,1PH,60HZ,184,3623L,OPEN,F1

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3623L	Elec. Spec:	36WG0078	CD Diagram:	CD0001
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	36D011	Layout:	36LYD011
Frame:	184	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	05-05-2011
Leads:	4#14 A PH,2#16 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	L1403									
SPEC.	36D11-78									
HP	1.5									
VOLTS	115/230									
AMP	19/9.5									
RPM	1725									
FRAME	184	HZ			60	PH		1		
SER.F.	1.15	CODE			K	DES		L	CLASS	B
NEMA-NOM-EFF	68	PF			67					
RATING	40C AMB-CONT									
CC		USABLE AT 208V			10					
DE	6206	ODE			6205					
ENCL	OPEN	SN								

Parts List		
Part Number	Description	Quantity
SA034380	SA 36D11-78	1.000 EA
RA030408	RA 36D11-78	1.000 EA
EC1850A06SP	ELEC CAP 115V 2.0 X 4.3 X	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3200A01SP	FR ENDPLATE, MACH	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
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3201A01	PU ENDPLATE, MACH 182-4T	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
HA3101A23	THRUBOLT 1/4-20 X 9.625 DEMBY	4.000 EA
SP5061A01	MODEL 36 TYPE L,F1,SMALL CAP CAN	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-486	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 20841 - Typical performance - not guaranteed values

Winding: 36WG0078-R001	Type: 3623L	Enclosure: OPEN
-------------------------------	--------------------	------------------------

Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.5 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	19/9.5			Breakdown Torque	12 LB-FT
R.P.M.	1725			Pull-up Torque	10.5 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	11.5 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	54 A
Service Factor (S.F.)	1.15			No-load Current	7.4 A
NEMA Nom. Eff.	68	Power Factor	67	Line-line Res. @ 25°C	0.341 Ω A Ph 0.925 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	72°C
S.F. Amps				Temp. Rise @ S.F. Load	88°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	48	59	68	74	79	72
Efficiency	47.8	63	69.3	71.9	72.6	71.8	72.3
Speed	1785	1773	1759	1744	1727	1708	1734
Line amperes	7.6	8.1	8.9	9.95	11.2	12.9	10.7

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





