

BALDOR® • RELIANCE

Product Information Packet

410B

1.5HP,3600RPM,1PH,60HZ,3528C,BUFF

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Part Detail							
Revision:	AX	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528C	Elec. Spec:	G0WG0001	CD Diagram:	
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	G10-168	Layout:	
Frame:		Mounting:	F1	Poles:	02	Created Date:	08-08-2007
Base:	RG	Rotation:	FOS	Insulation:	B	Eff. Date:	04-03-2012
Leads:	4#18 12" LG	Literature:	Y	Elec. Diagram:		Replaced By:	
Nameplate NP1625							
CAT.NO.	410B						
HP	1.5	VOLTS			115/230		
PHASE	1	AMPS			13.8/6.9		
HZ	60	RPM			3600		
SER.NO							
SPEC.	G10-168-1						

Parts List		
Part Number	Description	Quantity
SA037588	SA G10-168-1	1.000 EA
RA033613	RA G10-168-1	1.000 EA
OC3016F12SP	CYL OIL CAP 16MFD/370V	1.000 EA
G8BA3000A01	BASE, MACH	1.000 EA
19XX2510A14	1/4-10 X 7/8 HEX HD PLASTITE SCREW	4.000 EA
HW1000A25	1/4 SAE FLAT WASHER (FS)	4.000 EA
SP9000SP	80600BJ A-H OR 1520237-2 TYCO;2PST,125/2	1.000 EA
HW1003A50	LOCKWASHER,1/2",EXT.TOOTHZINC PLATED	1.000 EA
HA6053A01ZP	CLAMP, CAPACITOR 2" DIA, WHITE ZINC PLAT	1.000 EA
51XN1032A04	10-32 X 0.25 HX WS SL SR	2.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	2.000 EA
LD5000A05	LEAD ASSY, JUMPER FOR CAP	1.000 EA
G8CB4500A02	G8-272 BASE COVER,STPD X PLATED	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
RM1005A01SP	BUMPER- #2089 (R-R CO)	4.000 EA
15XF1032A10	10-32X5/8 PIN HD PHL TY FSEE JT	4.000 EA
G8EP3900A01SP	ENDPLATE, MACH	1.000 EA
G8EP3900A01SP	ENDPLATE, MACH	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
HA1000A34	DR2463A .02 BRG GUARD B N	4.000 EA
HA1025A03	FELT WSH 2.1875 OD X 1.170 ID X .25 #321	2.000 EA
HA3100A14	THRUBOLT 10-32 X 7.875	4.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
19XW2520A16	SCREW,1/4-20X1 TAPTITE-II OR ROLOC 91	8.000 EA
HW3020E04	1/8 X 3/8 A GROOVE PIN (DRIV-LOCK #118	2.000 EA
HA6100SP	WHEEL FLANGE, CAST	4.000 EA
HA2050A01	G10-18SP 1-1/2 DIA C.R.STC1137(WELKER)	2.000 EA
XY8809A62SP	7/8-9 NUT L.H. HEX (NC)	1.000 EA
XY8809A12SP	7/8-9 NUT R.H. HEX (NC)	1.000 EA
RM1010A05SP	VNYL CAP 1.375-16 701-89 BLACK S/R Q=1	2.000 EA
WD4502A01A02	CONDUIT BOX W/KNOCKOUTS, FOR 7,8 & 10 GR	1.000 EA
51XB1016A06	10-16X3/8 HXWSSLD SERTYB	2.000 EA
WD4503A01	LID R860 HANDY BOX LID, USED WITH BOX WD	1.000 EA
MG2000A02	RUST VETO-377-HF HOUGHTON	0.001 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	1.000 EA
WD4006B01	TYPE O/B+ 3M SCOTCHLOK WIRE CONNECTOR	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000G01	400-0116 BATTLESHIP GRAY LACQUER (55G)	0.017 GA
LB1092	LABEL, WARNING BUFFERS	1.000 EA
LB1009	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB1076	LABEL, "ON" AND "OFF"	1.000 EA
LC0279A01	CONNECTION LABEL X	1.000 EA
NP1625	BUFFER, ALUM, UL	1.000 EA
37PA1016	PACKAGING GROUP	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MN906	Baldor Buffer 9/10	1.000 EA

Accessories		
Part Number	Description	Multiplier
GA16	PEDESTAL INDUSTRIAL, CAST IRON 6" - 10"	A8
GA14	PEDESTAL FABRICATED STEEL W/SHELVES	A8
GA20	PEDESTAL INDUSTRIAL, CAST IRON 8"-14"	A8
GA20E	PEDESTAL LIGHT INDUSTRIAL,STEEL	A8
A103	10" COTTON BUFFING WHEEL (G0AP3004)	A8
BQ1-015-CC	1PH Bake, NEMA 1,110-125 VAC, 50/60Hz	E7
BQ1-015-CP	1PH Brake, Panel 110-125 VAC, 50/60 Hz	E7

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

General Characteristics			
Full Load Torque:	2.4 LB-FT	Start Configuration:	DOL
No-Load Current:	2.75 Amps	Break-Down Torque:	3.6 LB-FT
Line-line Res. @ 25°C.:	1.97 Ohms A Ph / 7.6 Ohms B Ph	Pull-Up Torque:	0.5 LB-FT
Temp. Rise @ Rated Load:		Locked-Rotor Torque:	1.0 LB-FT
Temp. Rise @ S.F. Load:		Starting Current:	24.0 Amps

Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	49.0	71.0	80.0	86.0	88.0	0.0	0.0
Efficiency:	70.5	76.4	78.4	74.1	63.3	0.0	0.0
Speed:	3512.0	3429.0	3330.0	3200.0	2951.0	0.0	0.0
Line Amperes:	3.5	4.5	5.83	7.65	10.95	0.0	0.0

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





