

BALDOR® • RELIANCE

Product Information Packet

1458

5HP,1500/1800RPM,3PH,50/60HZ,3735M,BUFF

Copyright © All product information within this document is subject to Baldor Electric Company copyright © protection, unless otherwise noted.

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3735M	Elec. Spec:	G4WG0036	CD Diagram:	
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	G14-117	Layout:	
Frame:		Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	POS	Insulation:	B	Eff. Date:	11-01-2011
Leads:	9#14 11"FROM ENDTUB	Literature:	Y	Elec. Diagram:		Replaced By:	
Nameplate NP0678							
CAT.NO.	1458						
HP	5			VOLTS	230		
PHASE	3			AMPS	13.6		
HZ	50//60			RPM	1500//1800		
SER.NO							
SPEC.	G14-117C-0036G1						

Parts List		
Part Number	Description	Quantity
SA051924	SA G14-117C-0036G1	1.000 EA
RA046749	RA G14-117C-0036G1	1.000 EA
G4BA1000A01	BASE, MACH	1.000 EA
19XA3812A20	38-12X1 1/4 HEX WSHR HD TYPE AB	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
G4GS5000	G14-23 GASKET X	1.000 EA
19XB2514A20	1/4-14X1-1/4 HX WS, TY B	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HA2025A01	LEAD BUSHING	1.000 EA
RM1006A01	GROMMET,#2196:.75ID,.9375GROOVE DIA,.062	1.000 EA
52XN1032A04	10-32X1/4 HX HD SLTD SER X	3.000 EA
52XN1032A08	SCREW, SER HX SLT HD, ZN X	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	2.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
G4EP1900A01	ENDPLATE, MACH	2.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	2.000 EA
HA1000A59	.020 BEARING GUARD 3.931 OD	2.000 EA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
10XN3816A20	3/8-16X1 1/4 HEX HD CAP	8.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	8.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA6051SP	FLANGE, WHEEL, CAST	4.000 EA
HW3022J06	1/4X.625 ROLLED SPR PIN	2.000 EA
XZ2007A62SP	1 1/4-7 NUT LH HEX (NC)	1.000 EA
XZ2007A12SP	1 1/4-7 NUT RH HX(NC)(F/S	1.000 EA
RM1010A07	VNYL CAP 1.875-21 701-89 BLACK S/R Q=1	2.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	1.000 EA
HA6194A05	BRACKET, 14" GRINDER FOR 'GE' MAGNETIC S	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000G01	400-0116 BATTLESHIP GRAY LACQUER (55G)	0.017 GA
LB1009	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 EA
LB1092	LABEL, WARNING BUFFERS	1.000 EA
LB5010	TAG, CAUTION PRINT SHOP	1.000 EA
CN1900A03	MAGNETIC STARTER 'GE' NO. CR306C10300AAA	1.000 EA
CN2006151B	HEATER, 'GE' NO. CR123C151B (FOR 'GE' ST	3.000 EA
MG2000A02	RUST VETO-377-HF HOUGHTON	0.001 GA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
NP0678	STD. NAMEPLATE - BALDOR BUFFER W/UL & CS	1.000 EA
G2PA1001	PACKAGING GROUP	1.000 EA
MN906	Baldor Buffer 9/10	1.000 EA

Accessories		
Part Number	Description	Multiplier
GA20	PEDESTAL INDUSTRIAL, CAST IRON 8"-14"	A8

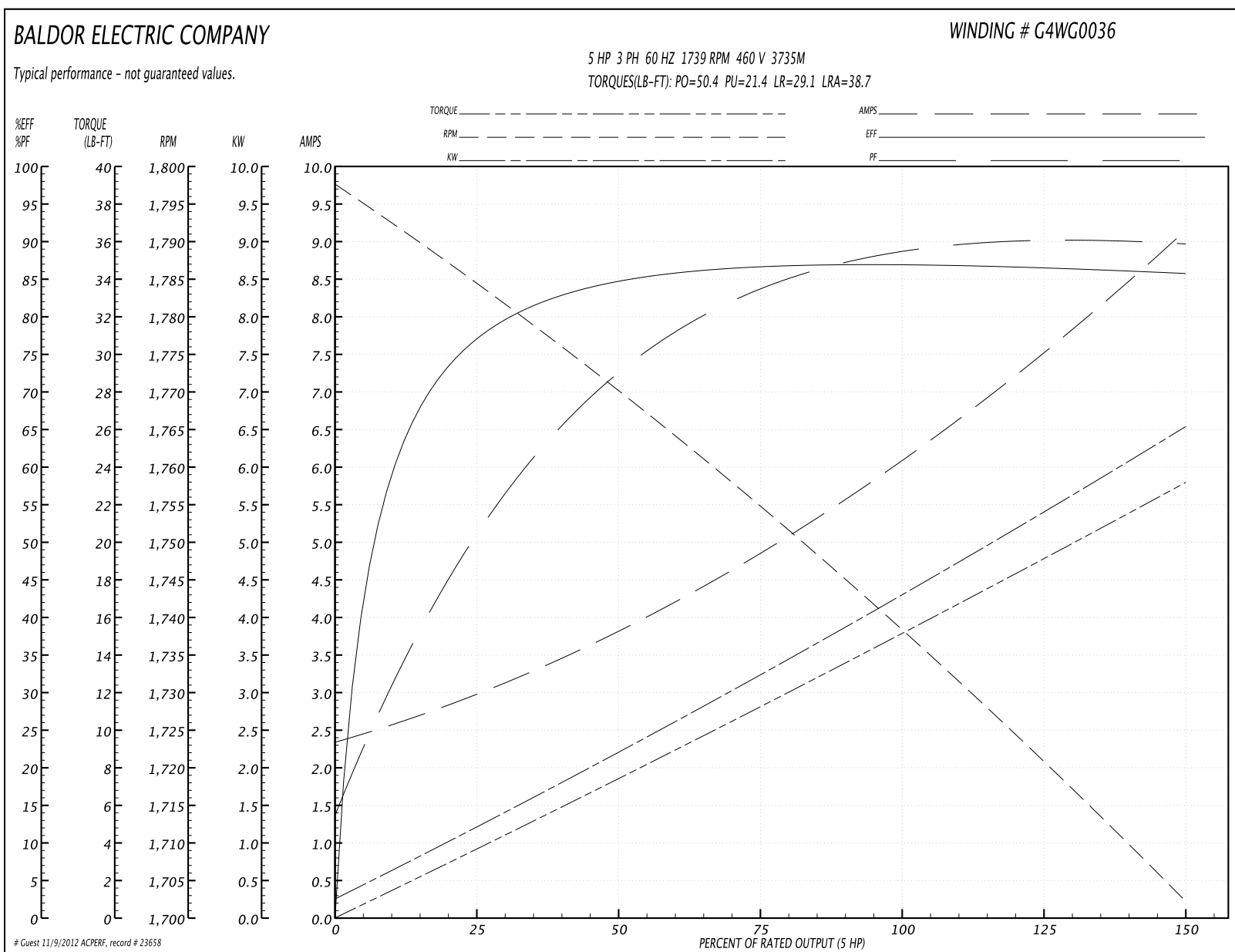
Performance Data at 460V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)**General Characteristics**

Full Load Torque:	15.1 LB-FT	Start Configuration:	DOL
No-Load Current:	2.43 Amps	Break-Down Torque:	50.4 LB-FT
Line-line Res. @ 25°C.:	2.24 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	21.4 LB-FT
Temp. Rise @ Rated Load:		Locked-Rotor Torque:	29.1 LB-FT
Temp. Rise @ S.F. Load:		Starting Current:	38.7 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	53.0	74.0	83.0	87.0	90.0	90.0	0.0
Efficiency:	76.9	84.7	86.7	87.1	86.5	85.5	0.0
Speed:	1784.0	1770.0	1755.0	1739.0	1721.0	1702.0	0.0
Line Amperes:	2.87	3.74	4.87	6.15	7.56	9.09	0.0

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values



Performance Data at 460V, 50Hz, 5.0HP (Typical performance - Not guaranteed values)**General Characteristics**

Full Load Torque:	18.1 LB-FT	Start Configuration:	DOL
No-Load Current:	3.33 Amps	Break-Down Torque:	71.6 LB-FT
Line-line Res. @ 25°C.:	2.24 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	35.3 LB-FT
Temp. Rise @ Rated Load:		Locked-Rotor Torque:	47.8 LB-FT
Temp. Rise @ S.F. Load:		Starting Current:	46.0 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	43.0	64.0	76.0	83.0	86.0	88.0	0.0
Efficiency:	73.7	82.7	85.4	86.0	85.7	84.9	0.0
Speed:	1487.0	1475.0	1462.0	1449.0	1434.0	1419.0	0.0
Line Amperes:	3.67	4.4	5.4	6.58	7.91	9.36	0.0

Performance Graph at 460V, 50Hz, 5.0HP Typical performance - Not guaranteed values

