

BALDOR® • RELIANCE

Product Information Packet

GHM35040

G.M. Q16PF 230/460VAC 40:1 58 RPM

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:		Prod. Type:		Elec. Spec:		CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	34A63-872K5
Frame:	H	Mounting:		Poles:		Created Date:	09-21-2007
Base:		Rotation:	R	Insulation:		Eff. Date:	11-04-2015
Leads:	9#18	Y				Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1907A02		
CAT.	GHM35040	
SPEC.	34A63-872K5	
SER.		
RATIO	40:1	
R.P.M.	43	
TORQ/IN LB		528

Parts List		
Part Number	Description	Quantity
SR001861	SR 34A63-872K5	1.000 EA
VM3538	.5HP,1140RPM,3PH,60HZ,56C,3416M,TEFC,F1	1.000 EA
10XN3816A16	3/8-16 X 1 HEX HD CAP SCREW	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HG0070A01G	HSG,H HOL W/ GRAY POWDER COATING	1.000 EA
HA1194B01	BLADDER,CJK EXPANSION	1.000 EA
15XM0632A06	SCREW, 6-32X .375, THREAD FORMING	3.000 EA
HA4021A04	1/8 NPTF-HX SOC PIPE PLUG TAPER DRY SEAL	1.000 EA
HW5000A94	N5000-206 RETAINER RING	2.000 EA
HW4600G25	SEAL 35MM X 52MM X 8MM SGL LIP FT802	1.000 EA
WM0082B01	WORM,H 40:1 RATIO, 5/8 BORE ASSY KNURLSS	1.000 EA
BG6205C03	6205 D.SH,C3,POLYREX EM	1.000 EA
HW5060A58	RET RING 5160-98 WALDES FOR .984 OR 1.00	1.000 EA
GF0066A01G	FLG,H 56C W/ GRAY POWDER COATING	1.000 EA
10XN3118A16	5/16-18X1 HEX HD CAP	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT .591 OD, .319 I	4.000 EA
HA3555A04	EXPANSION PLUG 2.053/2.049 X 9/32	1.000 EA
BS0187A01G	BS,H HOL 6207 W/GRAY POWDER COATING	1.000 EA
HW4600G43	SEAL 35 X 62 X 7MM DBLLIP, FT802	1.000 EA
10XN2520A10	1/4-20X 5/8 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
BS0187A02G	BS,H HOL 6207 STD W/SNAP RING & GRAY PO	1.000 EA
BG6207A01	6207 OPEN,C3,SLUSH	1.000 EA
HW5002A92	RET RING N5002-281 (WALDES) BEVELED 2.81	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA1241	SHIM, .005 THICK PLASTIC FOR "H" BOX (B	1.000 EA
HA1242	SHIM, .010 THICK PLASTIC FOR "H" BOX (B	2.000 EA
HW4600G43	SEAL 35 X 62 X 7MM DBLLIP, FT802	1.000 EA
10XN2520A10	1/4-20X 5/8 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
MJ1000A90	KLUBERSYNTH UH1-6-460 WORMGEAR OIL	0.050 GA
NP1907A02	NP,GR AD NONE H	1.000 EA
MJ1000B01	ANTISEIZE - ALTEMP Q NB 50, 750 GRAM CAN	0.001 EA
LB5042	TOE TAG, OIL PREFILL KLUBERSYN (5000/bx)	1.000 EA
G1PA1004	PKG GRP, PRINT PK1035A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
HW2513A11	KEY .250 X 1.250 1018 STEEL	1.000 EA
PK1182	O.P.F. CARTON, OIL	1.000 EA
HA3622A01K	TORQUE ARM, ASSEMBLY	1.000 EA
HA6462A01	COVER,MOLDED PLASTIC,25F Johnson Plastic	1.000 EA
15XN1032A04	10-32X1/4 PN HD PHIL MS	3.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
MP1009A01	4 X 4 ZIP POLYBAG, 4 MIL	1.000 EA
LT0066A15	H-BOX TORQUE ARM, ASSEMBLY INSTRUCTIONS	1.000 EA

AC Induction Motor Performance Data

Record # 6598 - Typical performance - not guaranteed values

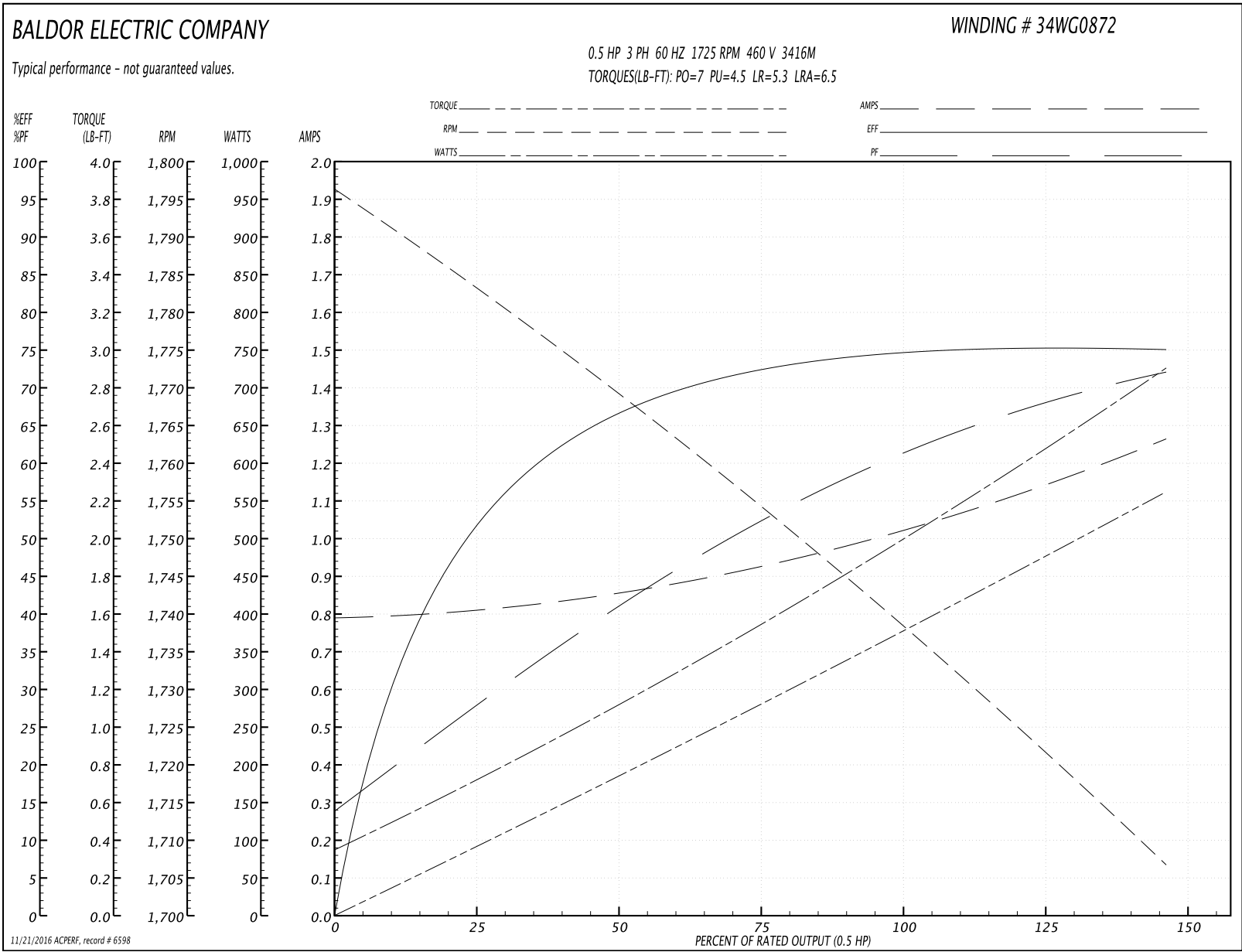
Winding: 34WG0872-R001	Type: 3416M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2/1			Breakdown Torque	7 LB-FT
R.P.M.	1725			Pull-up Torque	4.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.3 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	6.5 A
Service Factor (S.F.)	1.25			No-load Current	0.8 A
NEMA Nom. Eff.	74	Power Factor	63	Line-line Res. @ 25°C	32 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	65°C
S.F. Amps	2.4/1.2			Temp. Rise @ S.F. Load	77°C
				Locked-rotor Power Factor	66
				Rotor inertia	0.0381 LB-FT ²

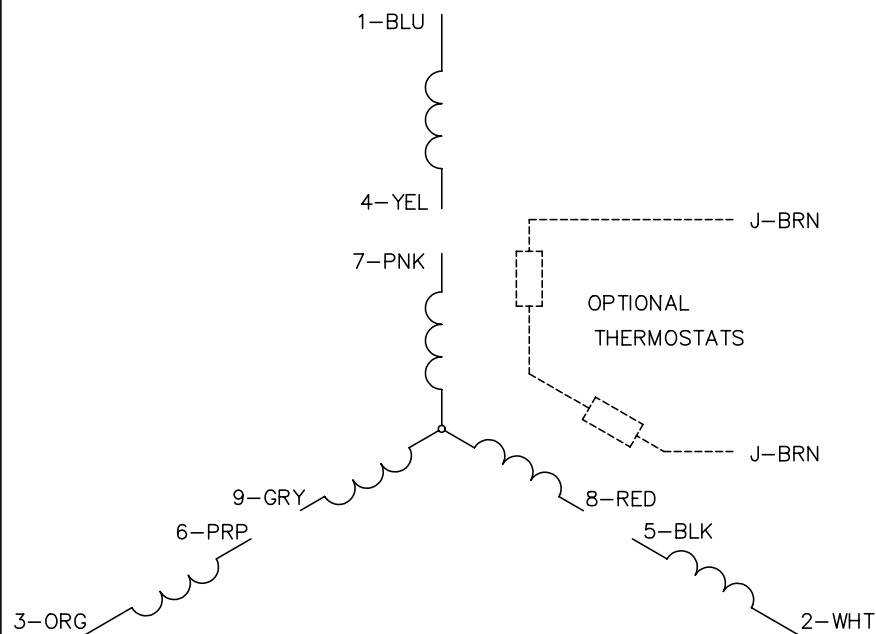
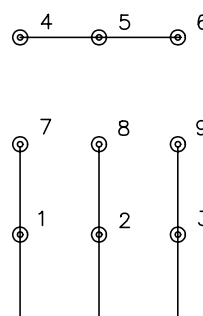
Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	43	55	63	69	75	0
Efficiency	53.2	66.4	72.5	74.6	75.3	75.1	0
Speed	1782	1769	1754	1739	1724	1706	0
Line amperes	0.8	0.85	0.92	1.03	1.15	1.25	1.15

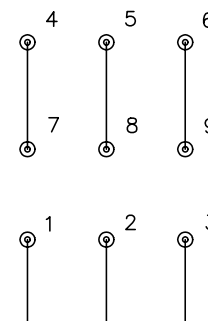
Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values



CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005