

BALDOR® • RELIANCE

Product Information Packet

M7013-5

1HP,3450RPM,3PH,60HZ,56,X3416M,XPFC,F1

Part Detail							
Revision:	Z	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3416M	Elec. Spec:	34WG0497	CD Diagram:	CD0006
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	34-5325	Layout:	34LY5325
Frame:	56	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	08-12-2013
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSL					
NO.		CC			
SER.					
SPEC.	34-5325-497				
CAT.NO.	M7013-5				
HP	1	T. CODE	T3C		
VOLTS	575				
AMPS	1.2				
RPM	3450				
HZ	60	PH	3	CL	B
SER.F.	1.00	DES	B	CODE	H
RATING	40C AMB-CONT				
FRAME	56	NEMA-NOM-EFF	75.5		
USABLE AT 208V		PF	76		
BLANK					

Parts List		
Part Number	Description	Quantity
SA008968	SA 34-5325-497	1.000 EA
RA005415	RA 34-5325-497	1.000 EA
MJ5000A01	SEALANT, CHICO A COMPOUND	0.050 LB
35CB3001A01SP	EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE	1.000 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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34EP3703A01	FR ENDPLATE, MACH XP	1.000 EA
HW4002A02	1-11.5X2LG PIPE NIPPLE (F/S)	1.000 EA
HA1025A13	WSHR,FELT,.38" THICK F-26 CLASS	1.000 EA
HW3021E06	1/8 DIA X 5/8 ROLLPIN (F/S)	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3704A01	PU ENDPLATE, MACH XP	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01	IEC FH NO GREASER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	3.000 EA
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.014 GA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407A04	#4-7 X 1/4 DRIVE PIN	6.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	3.000 EA
SP5037A05	TERNIMAL PLATE ASS'Y MODEL 34 - 3 PHASE	1.000 EA
HA3104A05	THRUBOLT, 5/16-18 X 8.375	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1426XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
34PA1005	PACKING GROUP, BALDOR	1.000 EA

AC Induction Motor Performance Data

Record # 36342 - Typical performance - not guaranteed values

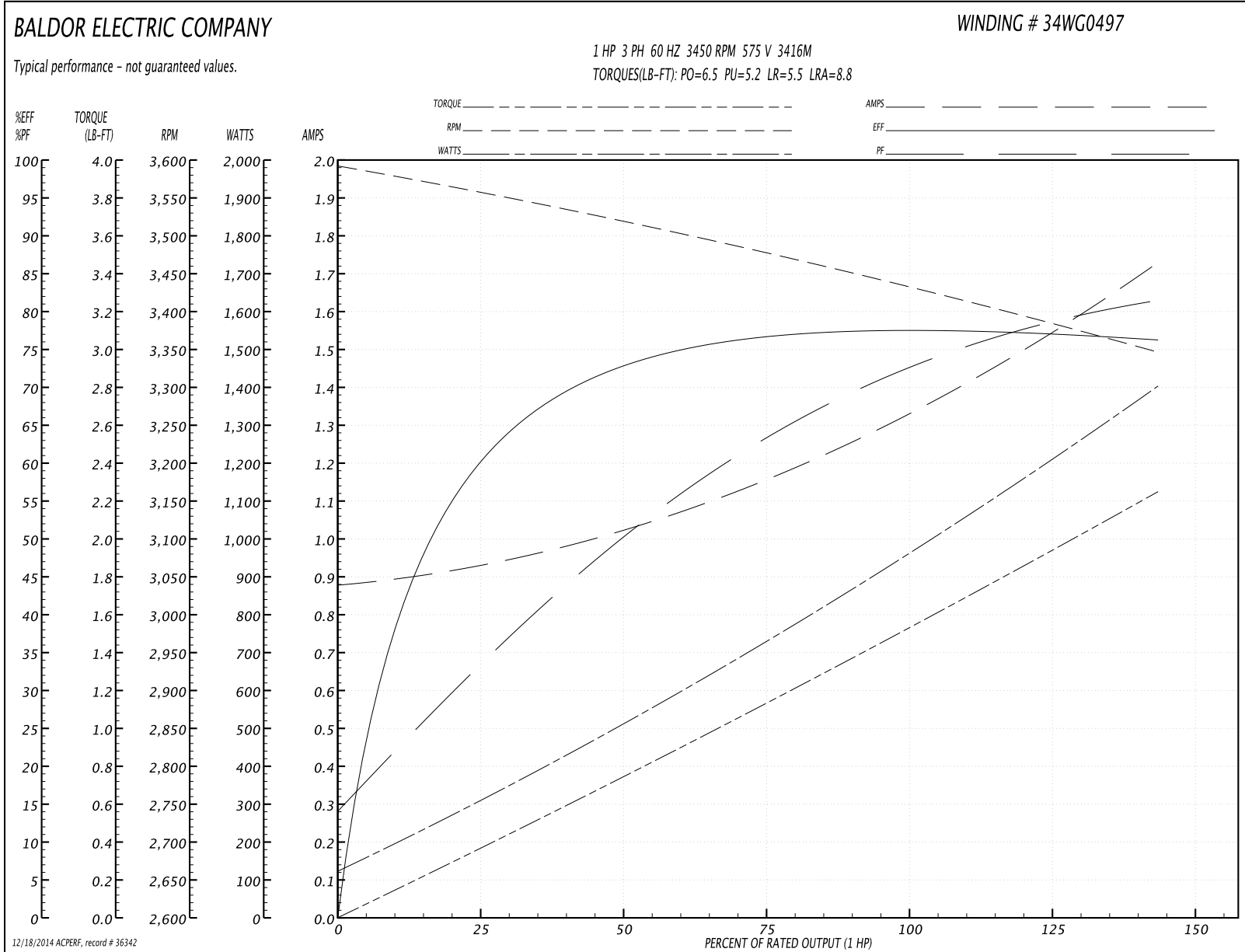
Winding: 34WG0497-R011	Type: 3416M	Enclosure: XPFC
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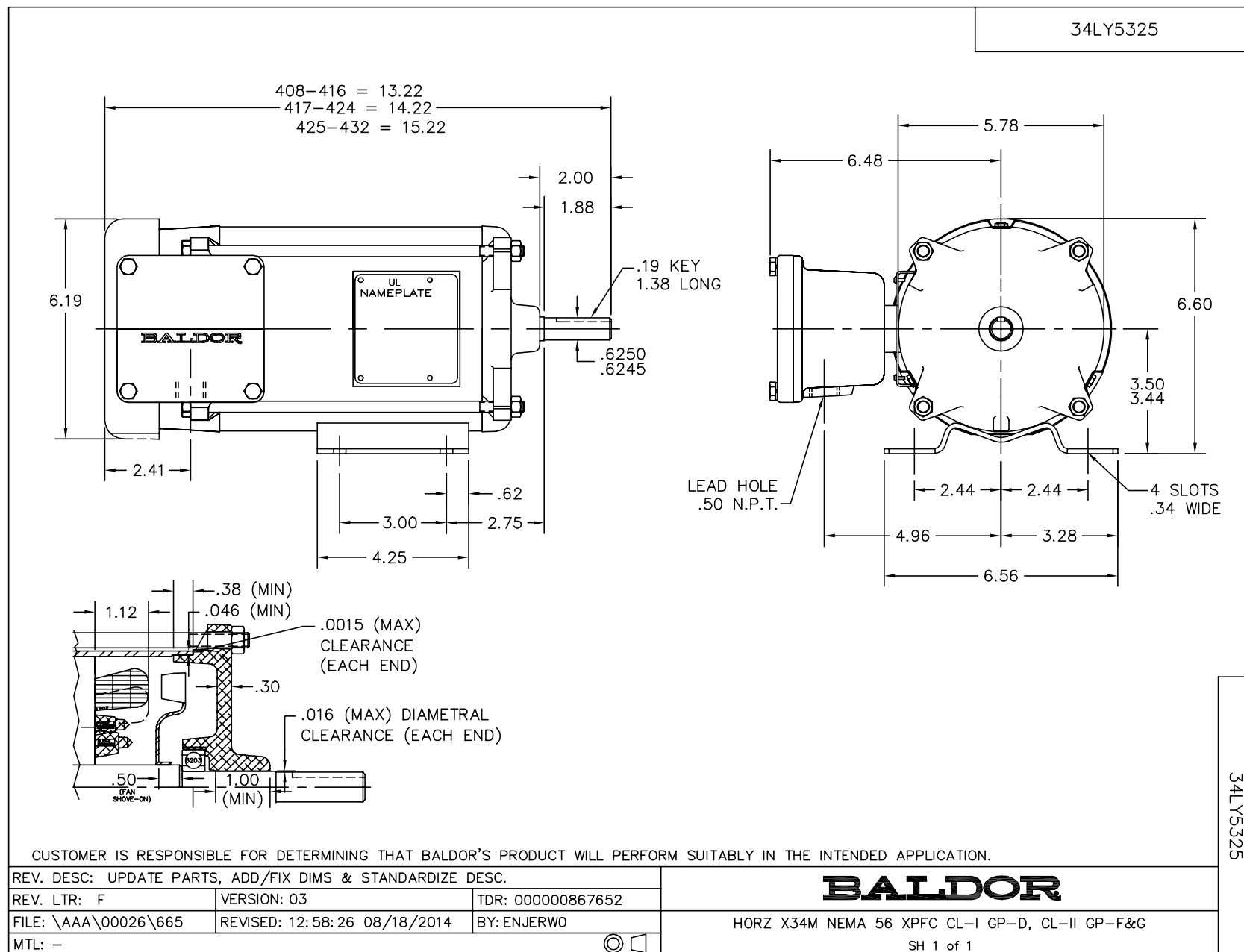
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1			Full Load Torque	1.5 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	1.4			Breakdown Torque	6.5 LB-FT
R.P.M.	3450			Pull-up Torque	5.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.5 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	8.8 A
Service Factor (S.F.)	1			No-load Current	0.88 A
NEMA Nom. Eff.	75.5	Power Factor	76	Line-line Res. @ 25°C	26.5 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	71°C
				Rotor inertia	0.0148 LF ²

Load Characteristics 575 V, 60 Hz, 1 HP

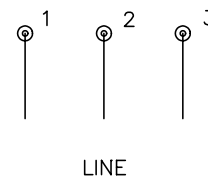
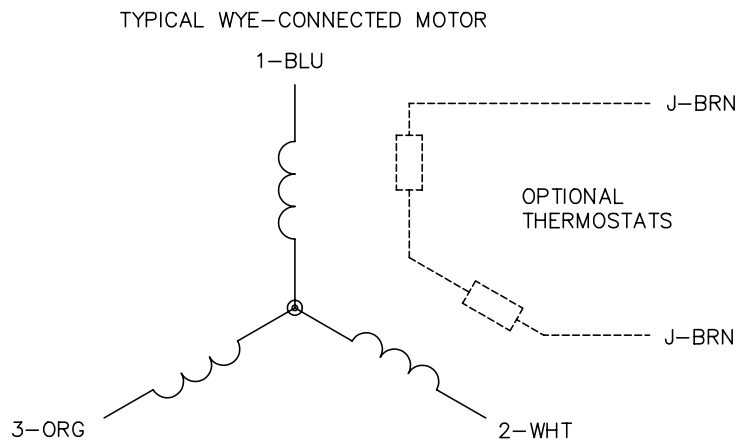
% of Rated Load	25	50	75	100	125	150
Power Factor	37	53	68	76	77	76
Efficiency	61.2	72.1	76.8	77.7	77.2	76.2
Speed	3558	3524	3476	3434	3390	3349
Line amperes	0.94	1	1.16	1.32	1.52	1.72

Performance Graph at 575V, 60Hz, 1.0HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006