



BALDOR® • RELIANCE

Product Information Packet

P56H4301

.75HP,1425RPM,3PH,50HZ,56,3428M,TEFC,F1

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3428M	Elec. Spec:	34WGW672	CD Diagram:	CD0044
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34A061	Layout:	34LYA061
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	05-22-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-26-2015
Leads:	12#18					Replaced By:	
Literature:		Elec. Diagram:					

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Nameplate NP1256L										
CAT.NO.	P56H4301									
SPEC.	34A061W672G4									
HP	.75									
VOLTS	220/380/440									
AMP	2.8/1.6/1.4									
RPM	1425									
FRAME	56				HZ	50			PH	3
SER.F.	1.15		CODE	K	DES	B		CLASS	F	
NEMA-NOM-EFF	75.5		PF	76						
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6203				ODE	6203				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA157990	SA 34A061W672G4	1.000 EA
RA146648	RA 34A061W672G4	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000N49	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3100A45	THRUBOLT 10-32 X 8.875	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0044	CONNECTION DIAGRAM	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
27PA1001	PKG GRP, PRINT PK1027A06	1.000 EA

AC Induction Motor Performance Data

Record # 50703 - Typical performance - not guaranteed values

Winding: 34WGW672-R006	Type: 3428M	Enclosure: TEFC
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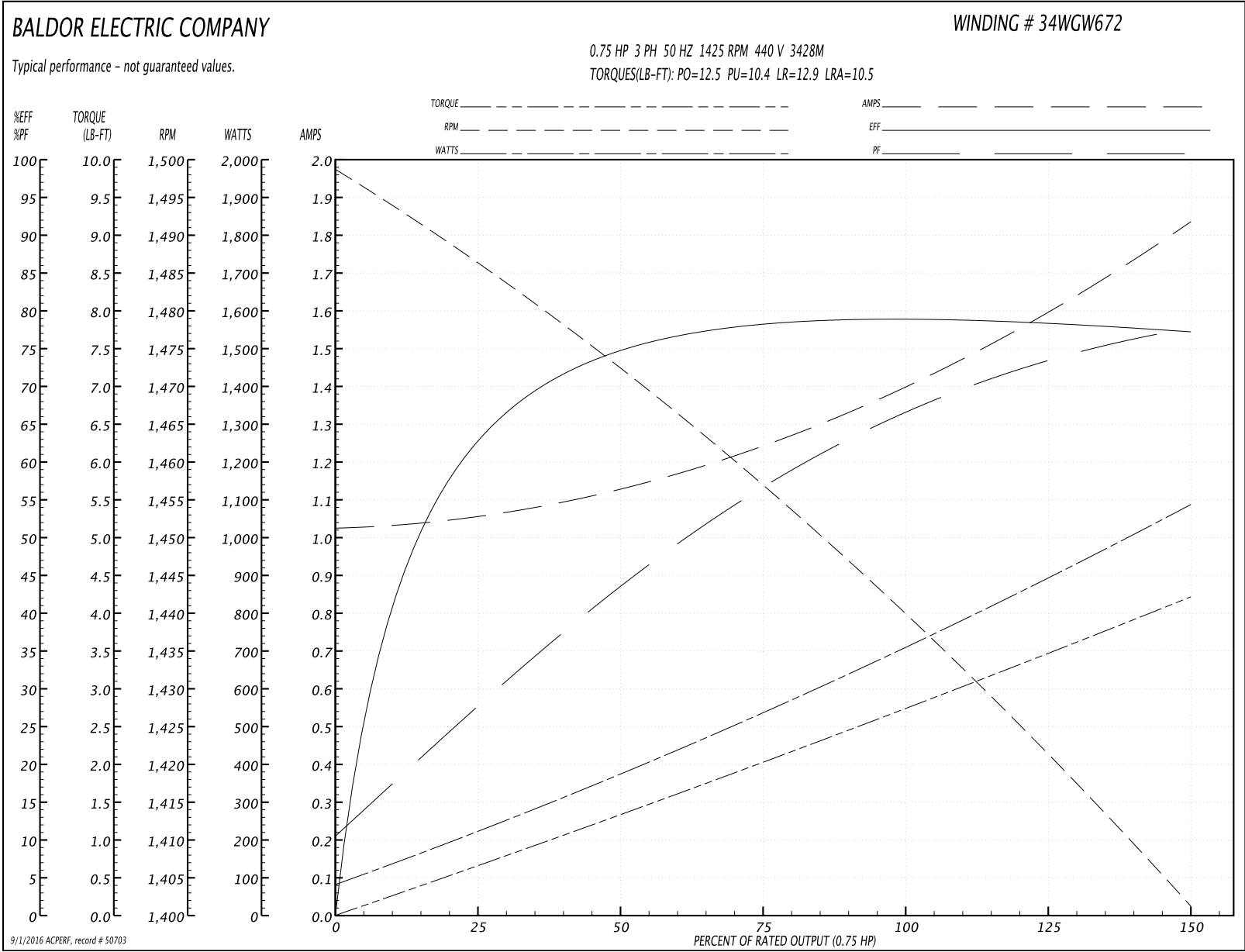
Nameplate Data				440 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.73 LB-FT
Volts	220/380/440			Start Configuration	direct on line
Full Load Amps	2.8/1.6/1.4			Breakdown Torque	12.5 LB-FT
R.P.M.	1425			Pull-up Torque	10.4 LB-FT
Hz	50	Phase	3	Locked-rotor Torque	12.9 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	10.5 A
Service Factor (S.F.)	1.15			No-load Current	1.03 A
NEMA Nom. Eff.	75.5	Power Factor	76	Line-line Res. @ 25°C	17.787 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	51°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C

Load Characteristics 440 V, 50 Hz, 0.75 HP

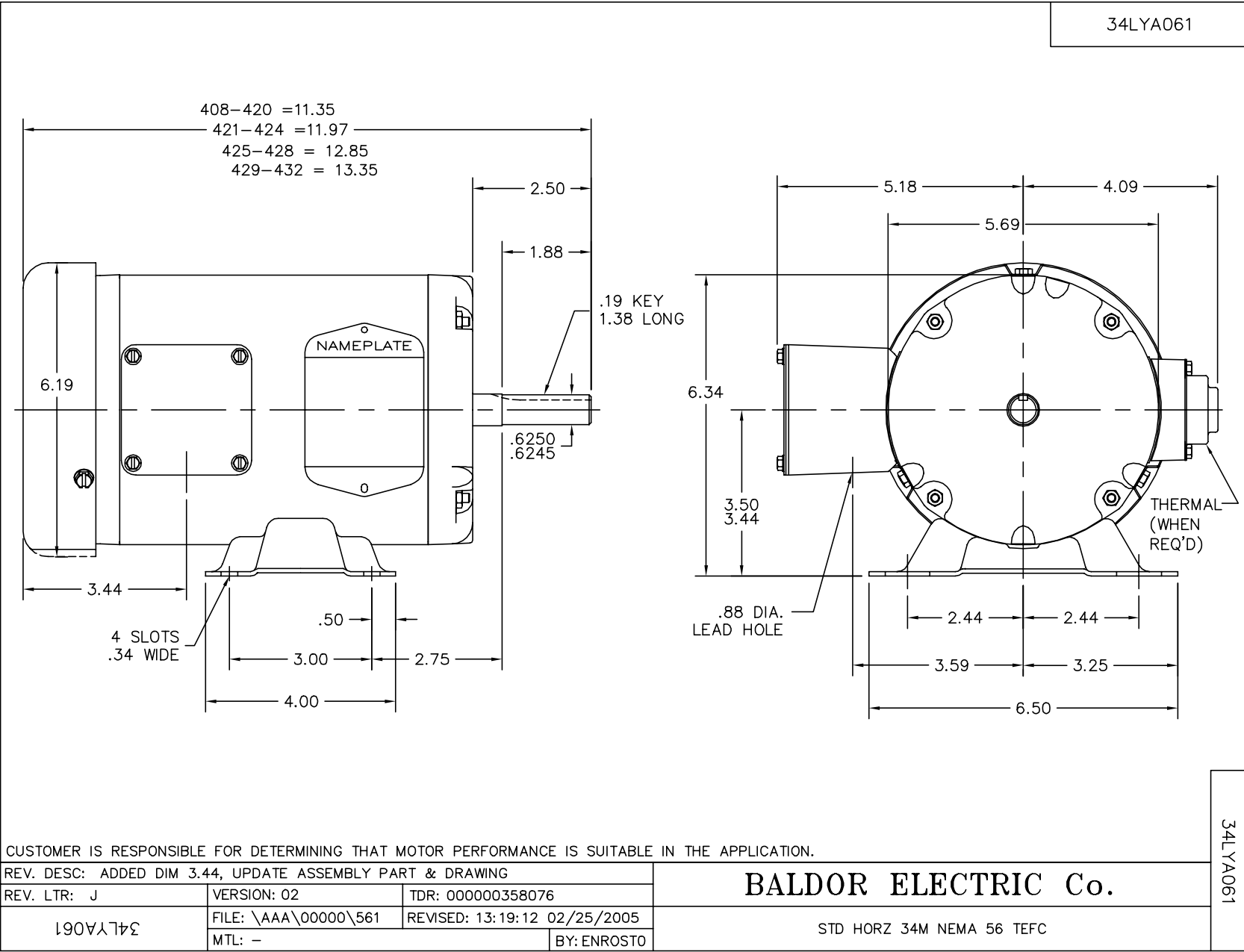
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	44	56	66	73	78	73
Efficiency	61.7	74.4	78.2	79.2	78.6	77.1	78.6
Speed	1486.9	1471.8	1457.7	1440.6	1422.5	1401.1	1422
Line amperes	1.05	1.12	1.24	1.4	1.59	1.83	1.59

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Performance Graph at 440V, 50Hz, 0.75HP Typical performance - Not guaranteed values



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CD0044

1-BLU

4-YEL

7-PNK

10

12

11

9-GRY

6-PRP

3-ORG

8-RED

5-BLK

2-WHT

J-BRN

OPTIONAL THERMOSTATS

J-BRN

LOW VOLTAGE (2D)

MED. VOLTAGE (2Y)

HIGH VOLTAGE (1D)

12 10 11

6 4 5

7 8 9

1 2 3

LINE

10 11 12

4 5 6

7 8 9

1 2 3

LINE

7 8 9

4 5 6

12 10 11

1 2 3

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: G BY: JLP

REVISED: 01/19/99 4:09

TDR: 0171435

FILE: AAA00008373

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, TV, 12 LEADS, 2D/2Y/1D

CD0044

Page 9 of 9

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