

BALDOR® • RELIANCE

Product Information Packet

JM3542

.75HP, 1725RPM, 3PH, 60HZ, 56J, 3420M, TEFC, F1

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Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3420M	Elec. Spec:	34WG0883	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34K036	Layout:	
Frame:	56J	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	11-05-2012
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L							
CAT.NO.	JM3542						
SPEC.	34K36-883						
HP	.75						
VOLTS	208-230/460						
AMP	3.2-3/1.5						
RPM	1725						
FRAME	56J	HZ	60	PH	3		
SER.F.	1.25	CODE	K	DES	B	CLASS	B
NEMA-NOM-EFF	75.5	PF	60				
RATING	40C AMB-CONT						
CC	USABLE AT 208V			3.6			
DE	6203	ODE	6203				
ENCL	TEFC	SN					
	SFA 3.6-3.4/1.7						

Parts List		
Part Number	Description	Quantity
SA018246	SA 34K36-883	1.000 EA
RA014401	RA 34K36-883	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
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A24SP	PU ENDPLATE, MACH	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A03SP	IEC FH NO GREASER W/.88 DIA SHAFT HOLE	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4100A81	CAPLUG BPF-7/8, FOR .86-.88 HOLE	1.000 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
RM1010A01	35-968-1 VINYL CLS	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA

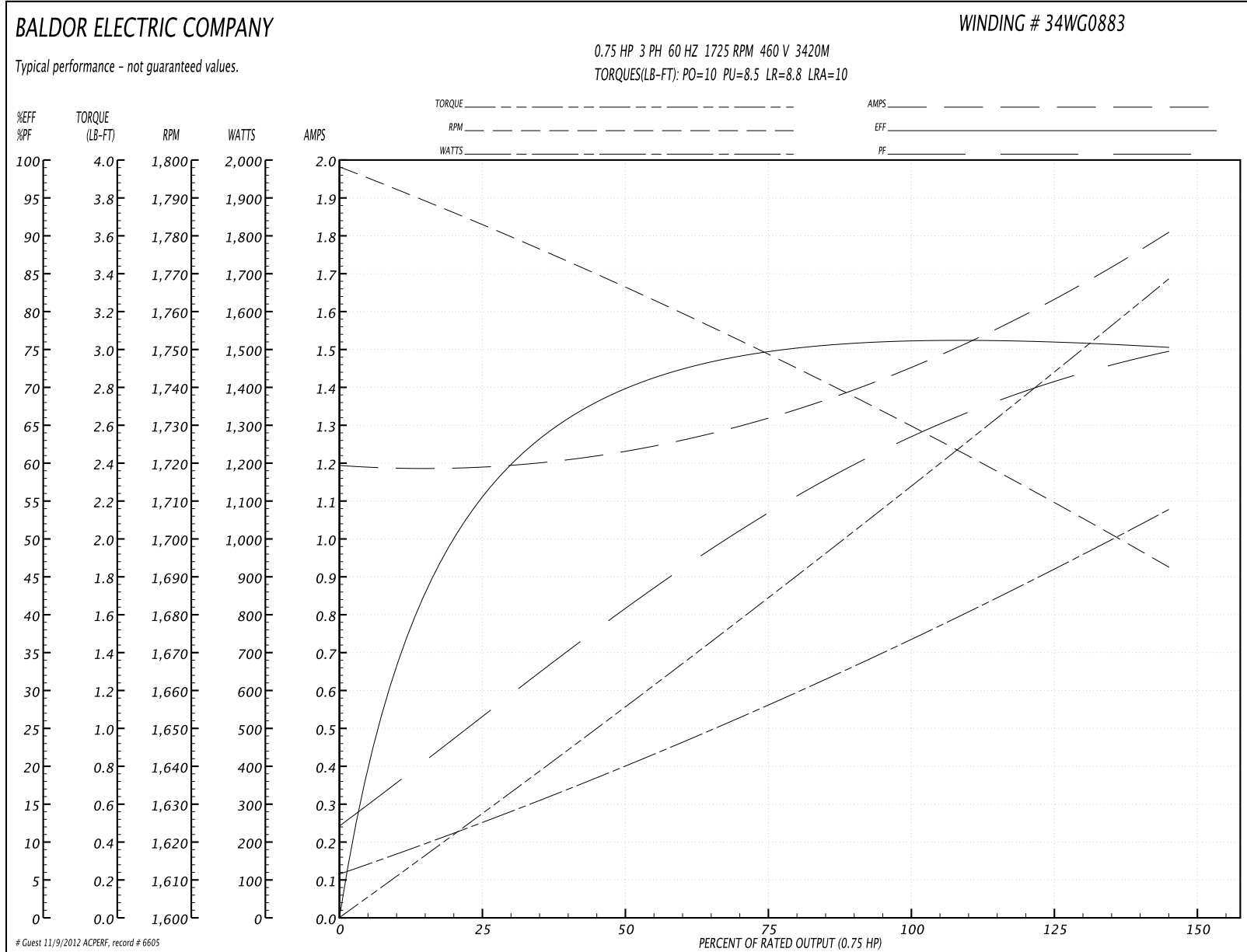
Parts List (continued)		
Part Number	Description	Quantity
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
34PA1002	PACKING GROUP, BALDOR	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

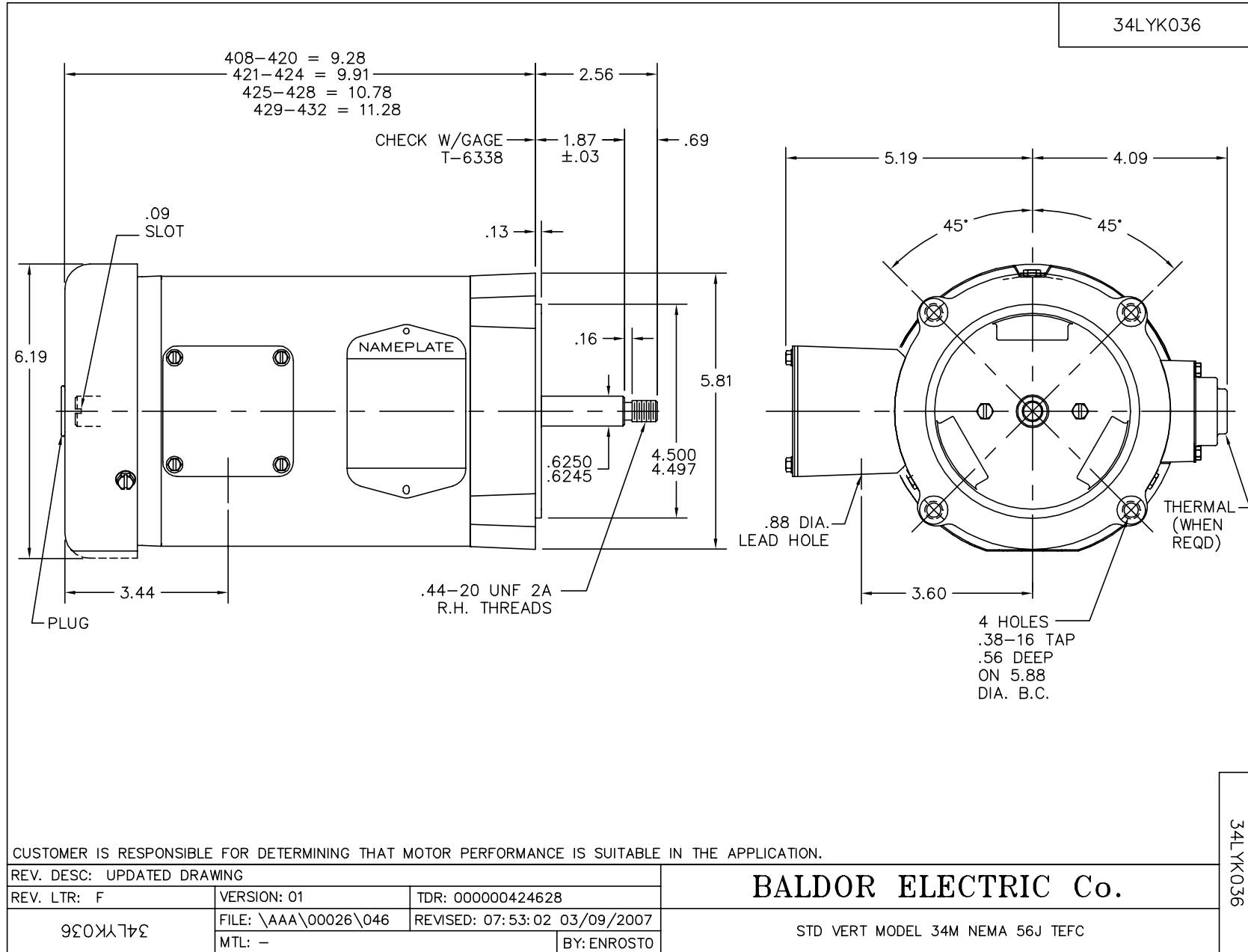
Accessories		
Part Number	Description	Multiplier
34-171	C FACE KIT	A8

Performance Data at 460V, 60Hz, 0.75HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:	2.25 LB-FT			Start Configuration:	DOL		
No-Load Current:	1.2 Amps			Break-Down Torque:	10.0 LB-FT		
Line-line Res. @ 25°C.:	17.68 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	8.5 LB-FT		
Temp. Rise @ Rated Load:	74 C			Locked-Rotor Torque:	8.8 LB-FT		
Temp. Rise @ S.F. Load:	91 C			Starting Current:	10.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	28.0	42.0	55.0	64.0	71.0	76.0	71.0
Efficiency:	56.1	69.7	74.7	76.2	76.1	75.2	76.1
Speed:	1783.0	1766.0	1749.0	1731.0	1711.0	1693.0	1711.0
Line Amperes:	1.2	1.2	1.3	1.5	1.6	1.8	1.6

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values





CD0005

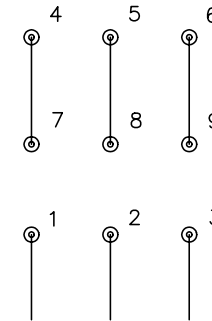


LOW VOLTAGE
(2Y)



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
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005