

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **VM3537-57**

**.5HP,2850 IP44RPM,3PH,50HZ,56C,3413M**

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Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3413M	Elec. Spec:	34WGX538	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34A063	Layout:	
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	09-08-2011
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	08-10-2012
Leads:	6#18	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1372L									
CAT.NO.	VM3537-57								
SPEC.	34A063X538G1								
HP	.5								
VOLTS	230/400								
AMP	1.9/1.1								
RPM	2850 IP44								
FRAME	56C	HZ			50	PH	3		
SER.F.	1.25	CODE			L	DES	B	CL	F
NEMA-NOM-EFF	72	PF			74				
RATING	40C AMB-CONT								
CC				USABLE AT 208V					
DE	6203	ODE			6203				
ENCL	TEFC	SN							
	SFA 2.1/1.2								

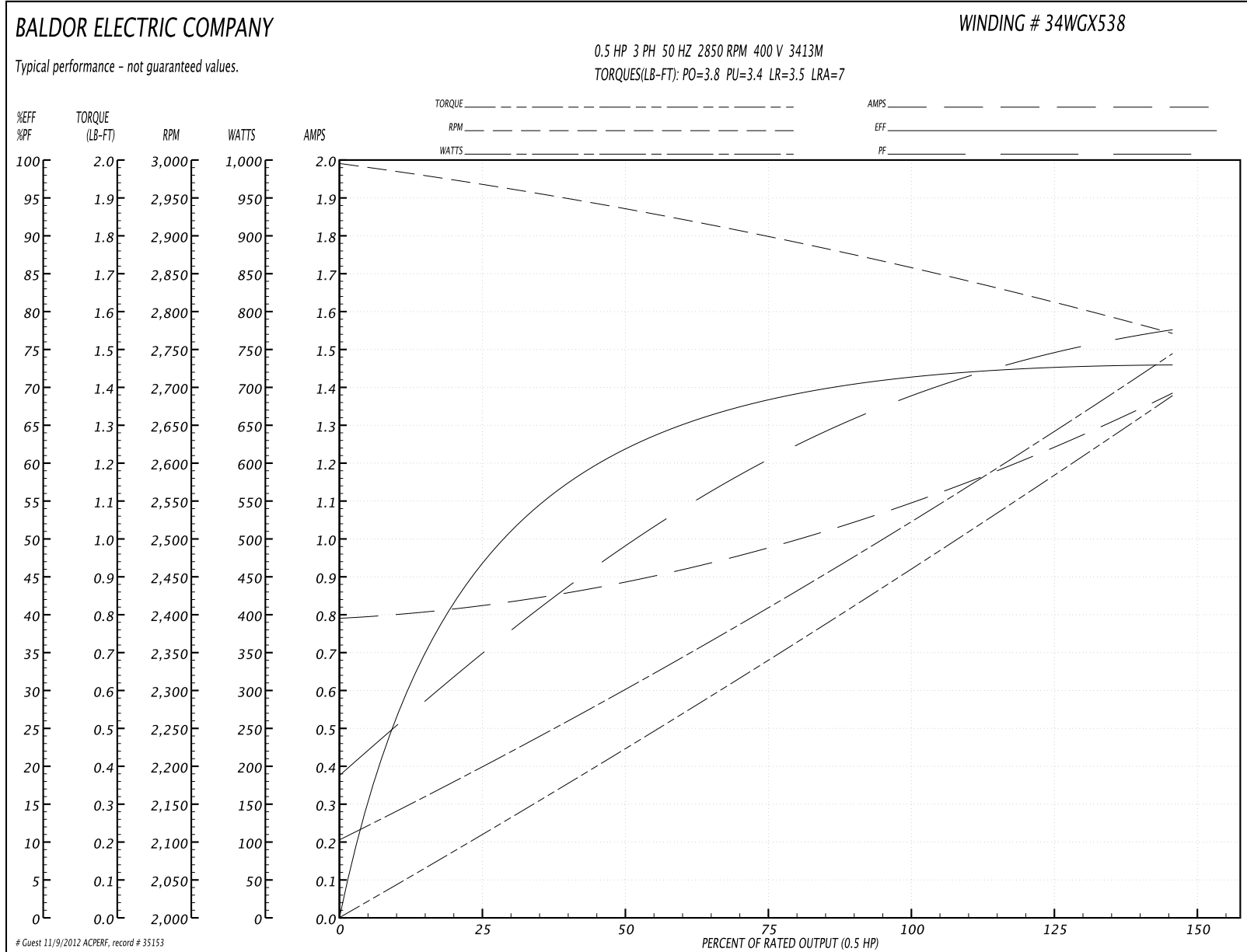
Parts List		
Part Number	Description	Quantity
SA230330	SA 34A063X538G1	1.000 EA
RA217360	RA 34A063X538G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	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
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	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
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
34FH4002A01	IEC FH NO GREASER	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.014 GA
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 EA
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA

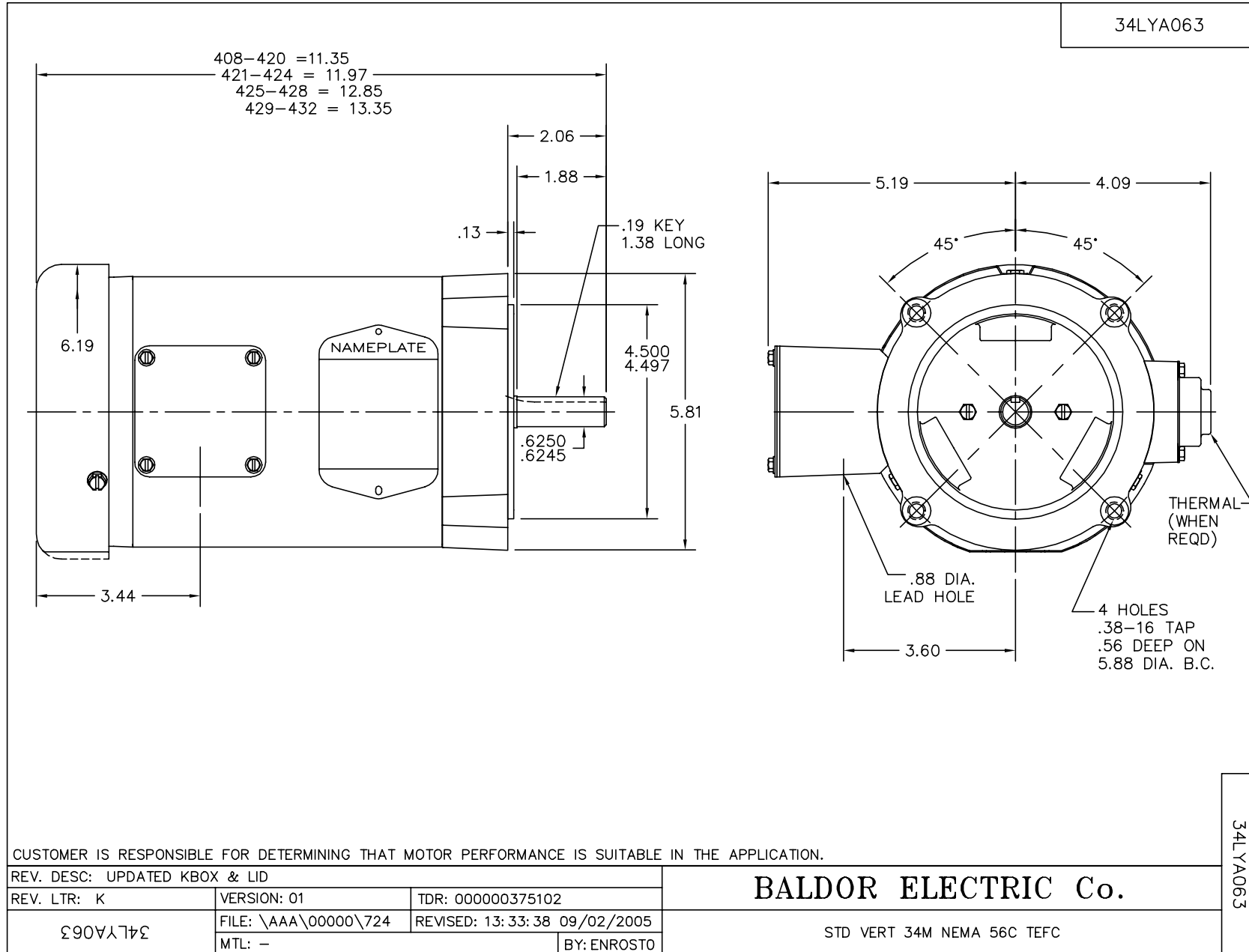
Parts List (continued)		
Part Number	Description	Quantity
LB1119	WARNING LABEL	1.000 EA
LC0034	CONNECTION LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
NP1372L	ALUM UL CSA CE CC	1.000 EA
34PA1002	PACKING GROUP, BALDOR	1.000 EA

**Performance Data at 400V, 50Hz, 0.5HP (Typical performance - Not guaranteed values)**

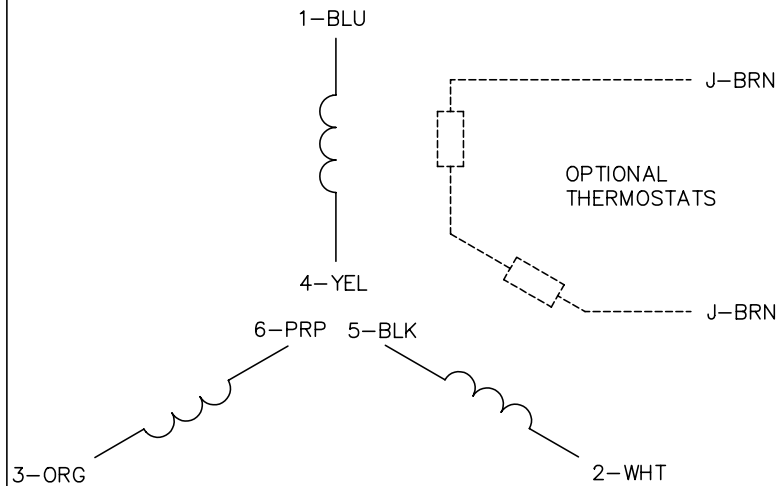
General Characteristics							
Full Load Torque:	0.92 LB-FT			Start Configuration:	DOL		
No-Load Current:	0.8 Amps			Break-Down Torque:	3.8 LB-FT		
Line-line Res. @ 25°C.:	27.0 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	3.4 LB-FT		
Temp. Rise @ Rated Load:	63 C			Locked-Rotor Torque:	3.5 LB-FT		
Temp. Rise @ S.F. Load:	75 C			Starting Current:	7.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	34.0	49.0	61.0	70.0	77.0	81.0	77.0
Efficiency:	46.8	62.0	68.7	71.7	72.8	72.7	72.8
Speed:	2985.0	2927.0	2893.0	2857.0	2817.0	2772.0	2817.0
Line Amperes:	0.8	0.9	1.0	1.1	1.2	1.4	1.2

Performance Graph at 400V, 50Hz, 0.5HP Typical performance - Not guaranteed values

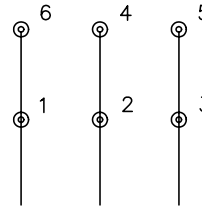




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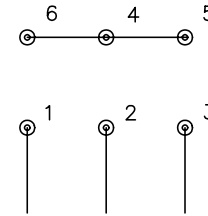


LOW VOLTAGE  
(1D)



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: F	BY: JLP	REVISED: 01/21/99 3:54	TDR: 0171435
CD0022		FILE: AAA00005144	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 6 LEADS, DELTA/WYE CONNECTION

CD0022