

BALDOR® • RELIANCE

Product Information Packet

VM3535

.33HP,1140RPM,3PH,60HZ,56C,3414M,TEFC,F1

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3414M	Elec. Spec:	34WG5883	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34A063	Layout:	34LYA063
Frame:	56C	Mounting:	F1	Poles:	06	Created Date:	
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	08-27-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	VM3535											
SPEC.	34A63-5883											
HP	.33											
VOLTS	230/460											
AMP	1.8/.9											
RPM	1140											
FRAME	56C				HZ		60			PH	3	
SER.F.	1.35		CODE		K		DES		B		CLASS	B
NEMA-NOM-EFF	70			PF		51						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								2.1
DE	6203			ODE		6203						
ENCL	TEFC		SN									
	SFA 2/1											

Parts List		
Part Number	Description	Quantity
SA009881	SA 34A63-5883	1.000 EA
RA006326	RA 34A63-5883	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
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	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
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

AC Induction Motor Performance Data

Record # 6833 - Typical performance - not guaranteed values

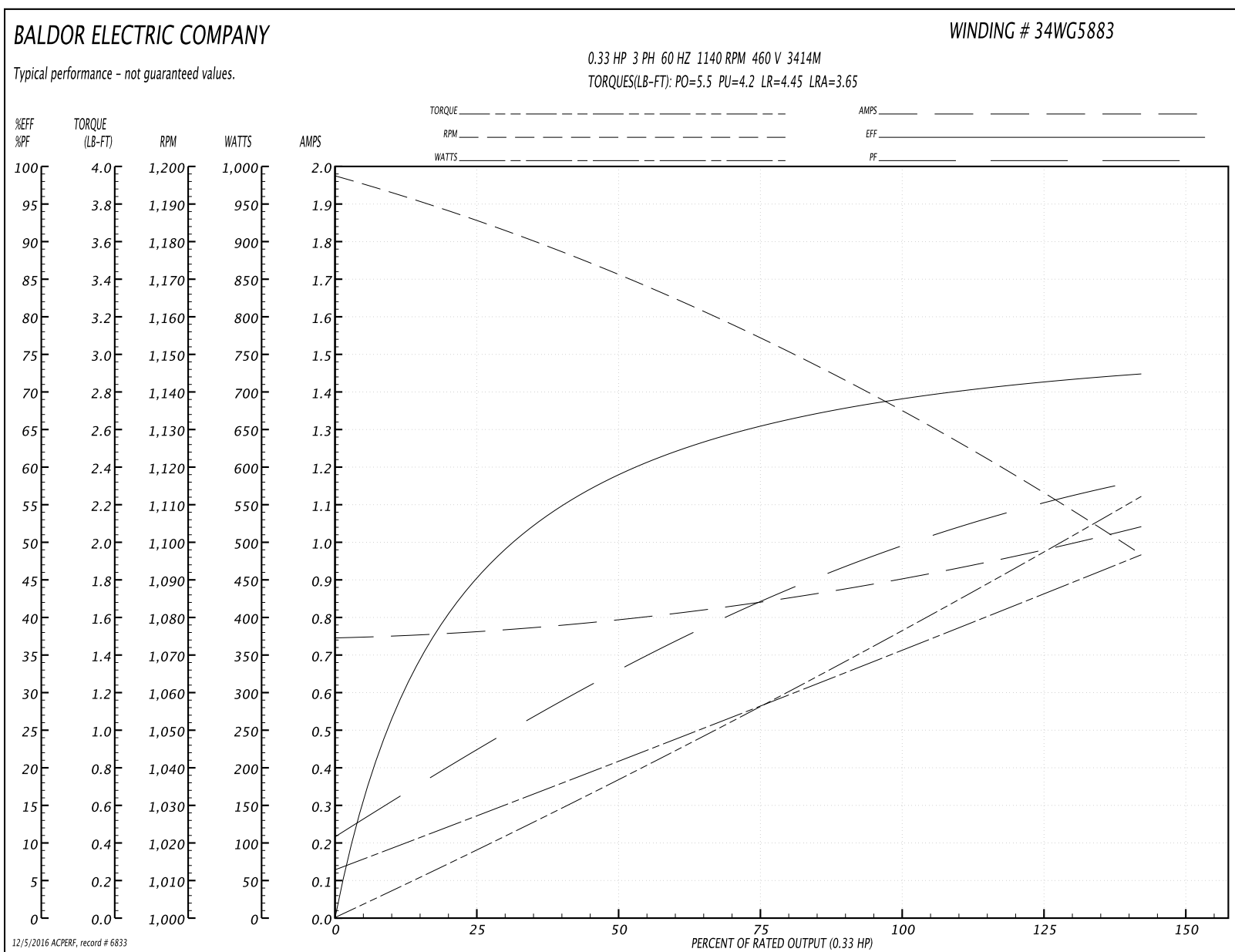
Winding: 34WG5883-R001	Type: 3414M	Enclosure: TEFC
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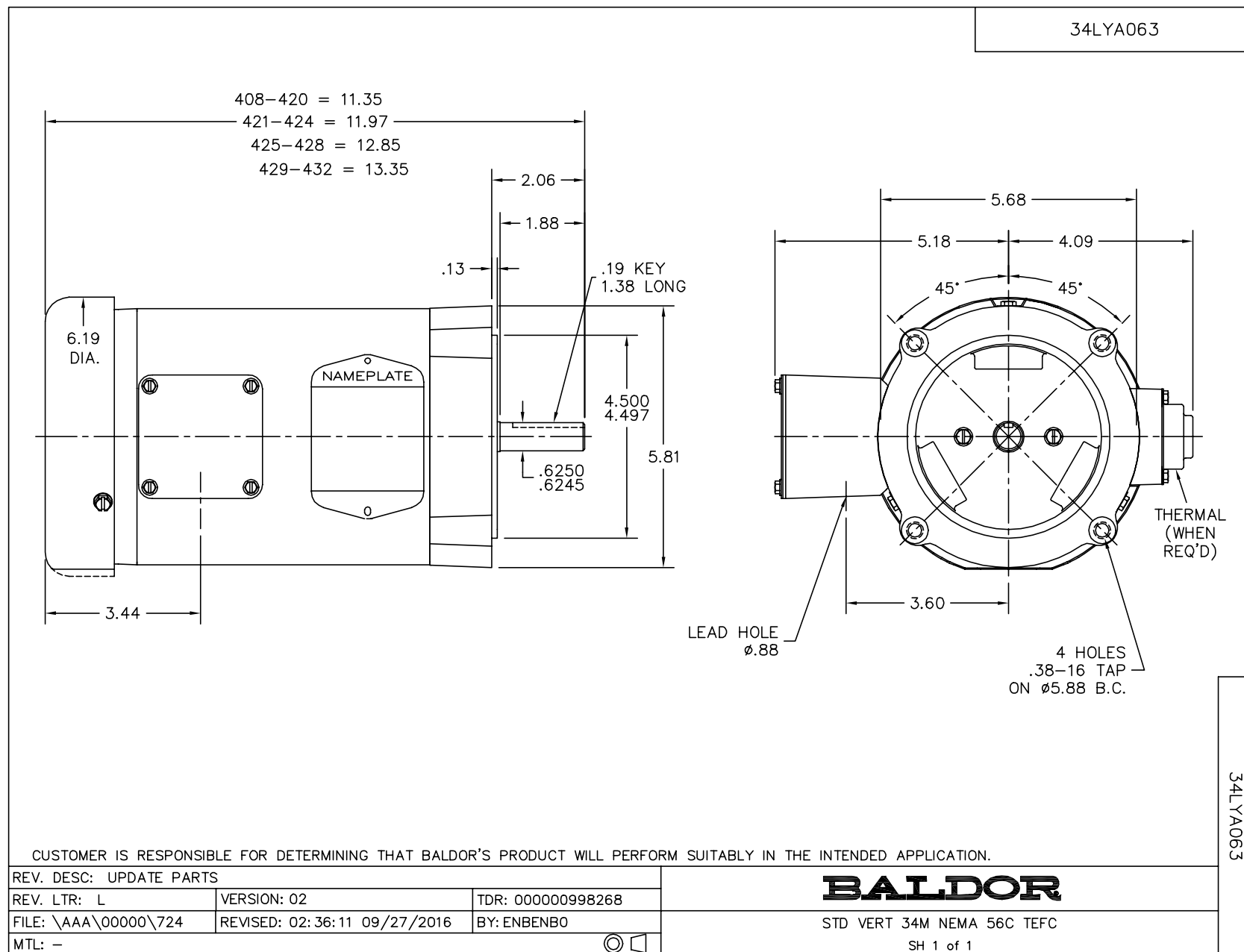
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	1.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	1.8/.9			Breakdown Torque	5.5 LB-FT
R.P.M.	1140			Pull-up Torque	4.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	4.45 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	3.65 A
Service Factor (S.F.)	1.35			No-load Current	0.75 A
NEMA Nom. Eff.	70	Power Factor	51	Line-line Res. @ 25°C	58.3 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	46°C
S.F. Amps	2/1			Temp. Rise @ S.F. Load	58°C

Load Characteristics 460 V, 60 Hz, 0.33 HP

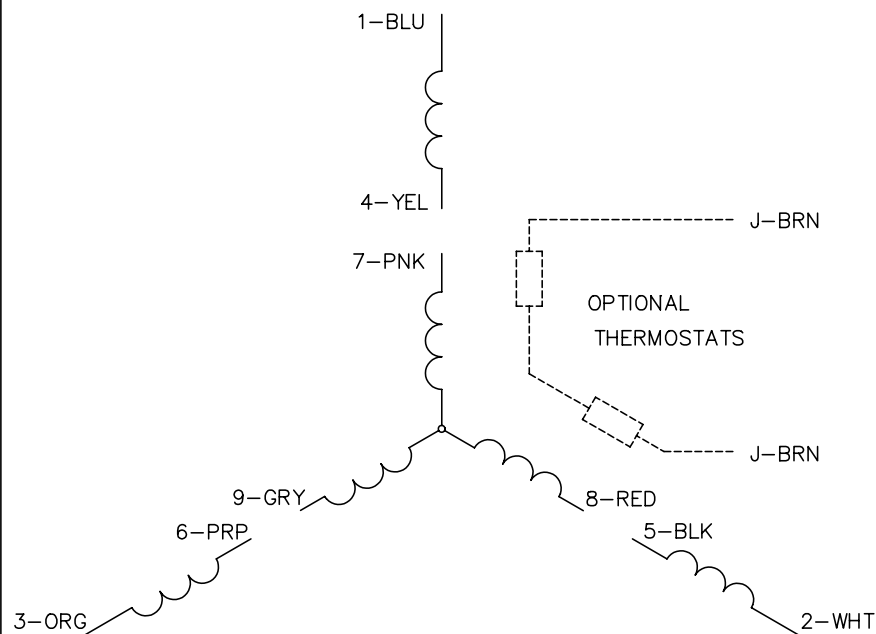
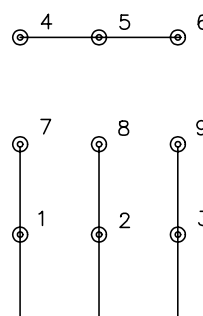
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	19	30	42	51	58	64	62
Efficiency	44	58	66	70	71	72	71
Speed	1185	1170	1155	1135	1120	1095	1110
Line amperes	0.75	0.8	0.85	0.9	0.95	1.05	1

Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values

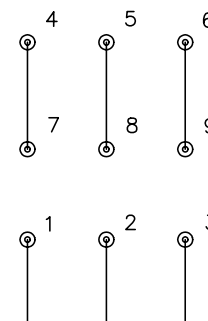




CD0005

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