

BALDOR® • RELIANCE

Product Information Packet

VEL11301

.33HP,1740RPM,1PH,60HZ,56C,3418LC,OPEN,F

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3418LC	Elec. Spec:	34WGW954	CD Diagram:	CD0055
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34F534	Layout:	34LYF534
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	10-08-2014
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	07-20-2015
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3155L

CAT.NO.	VEL11301											
SPEC.	34F534W954G1											
HP	.33											
VOLTS	115/230											
AMP	3.4/1.7											
RPM	1740											
FRAME	56C				HZ		60			PH		1
SER.F.	1.35			CODE		K	DES		N	CL		B
F.L. AVG. EFF.	72.4			PF		85						
RATING	40C AMB-CONT											
CC				USABLE AT 208V							2.5	
DE	6203				ODE		6203					
ENCL	OPEN			SN								
	SFA 4.4/2.2											

Parts List		
Part Number	Description	Quantity
SA288191	SA 34F534W954G1	1.000 EA
RA274389	RA 34F534W954G1	1.000 EA
OC3016F12SP	CYL OIL CAP 16MFD/370V	1.000 EA
EC1145A02	ELEC CAP 115V 1.4 X 3.3 X	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	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
34EP3210A03SP	FR ENDPLATE, MACH	1.000 EA
SP1006A01	TERM. BOARD, MODE 35 SW X H-23655	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34CB3801	CAPACITOR BOX, DIE CAST	1.000 EA
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3401A01SP	PU ENDPLATE, MACH	1.000 EA
34AD2000	BAFFLE PLATE, STAMPED	1.000 EA
51XT0632A06	6-32X3/8 TY23 HXWS SLDSR	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FH4000A11	DRIP COVER, STAMPED,PRIMER	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
SP5051B17	MDL 34 TORQ STAT SW,TYPE LC, STD F1 & F2	1.000 EA
HA3100A28	THRUBOLT 10-32 X 8.187	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP3155L	ALUM SUPER-E UL CSA CC "SEMS"	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

AC Induction Motor Performance Data

Record # 49395 - Typical performance - not guaranteed values

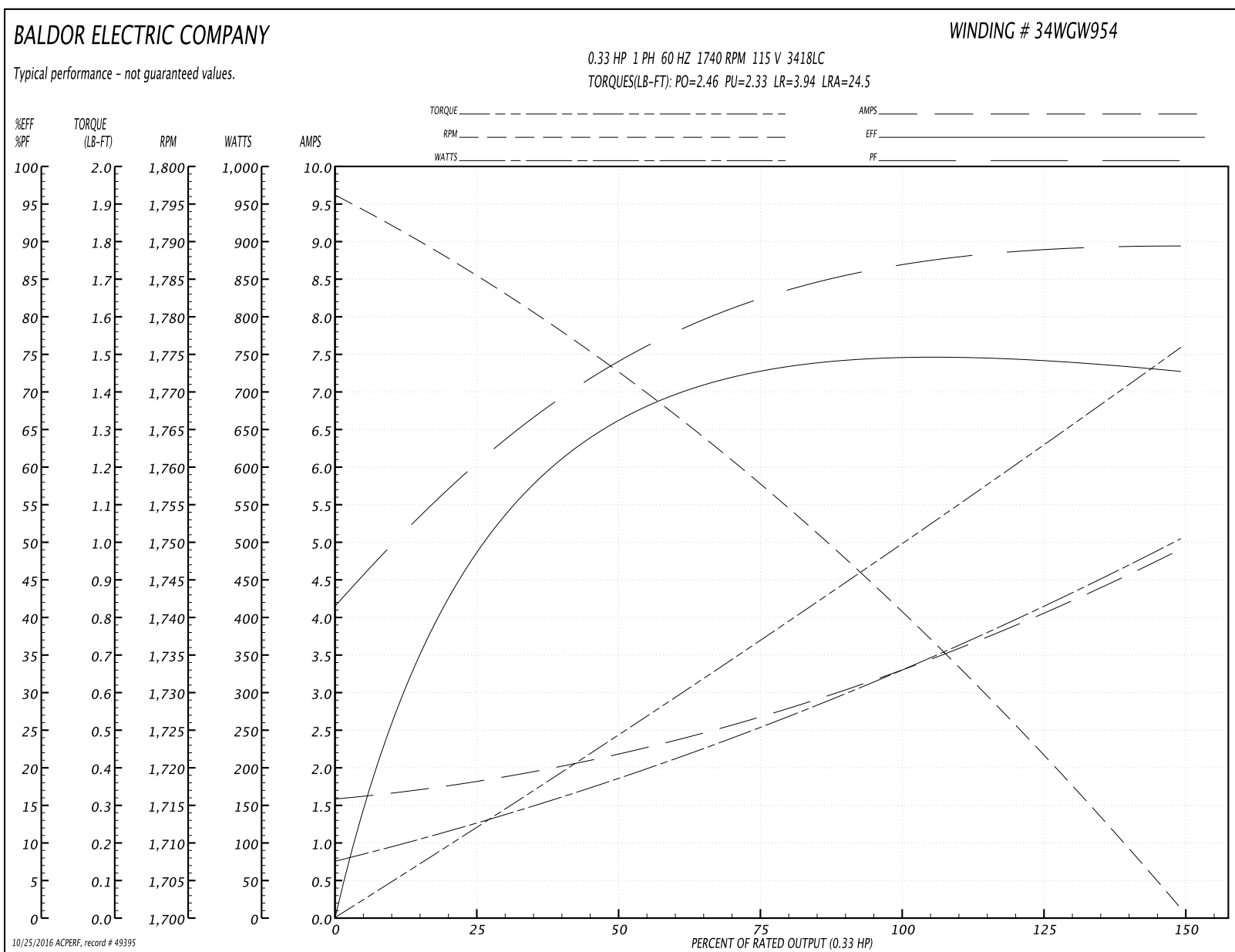
Winding: 34WGW954-R004	Type: 3418LC	Enclosure: OPEN
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	0.99 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	3.4/1.7			Breakdown Torque	2.46 LB-FT
R.P.M.	1740			Pull-up Torque	2.33 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.94 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	24.5 A
Service Factor (S.F.)	1.35			No-load Current	1.57 A
NEMA Nom. Eff.	72.4	Power Factor	85	Line-line Res. @ 25°C	1.8255 Ω A Ph 5.5445 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	29°C
S.F. Amps	4.4/2.2			Temp. Rise @ S.F. Load	42°C

Load Characteristics 115 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	65	74	81	86	88	90	89
Efficiency	42.7	67.4	74.2	74.6	74.2	72.5	73.5
Speed	1781.1	1772.5	1759.4	1742.5	1721.5	1700.5	1713
Line amperes	1.86	2.15	2.64	3.31	4.09	4.89	4.41

Performance Graph at 115V, 60Hz, 0.33HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 49397 - Typical performance - not guaranteed values

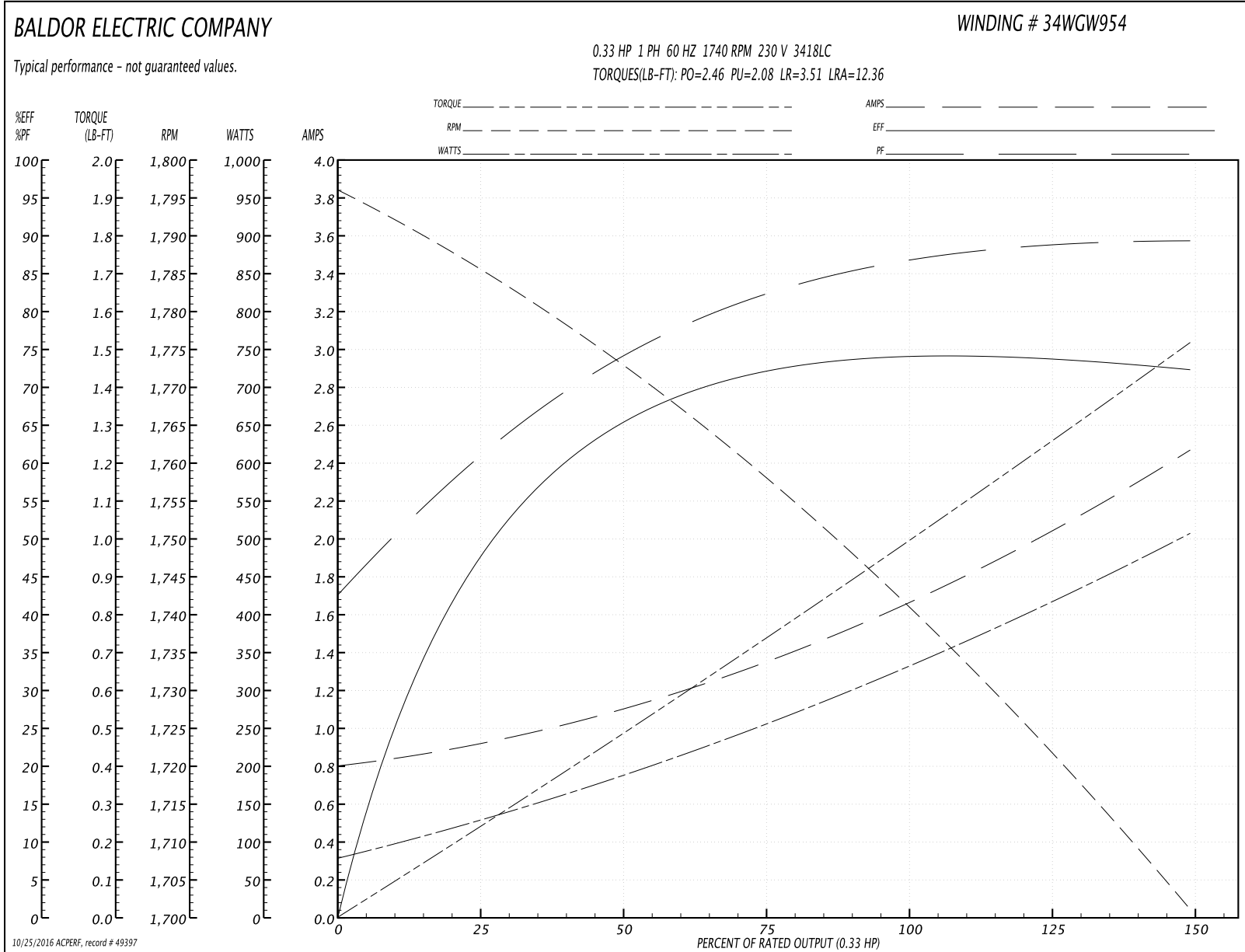
Winding: 34WGW954-R004	Type: 3418LC	Enclosure: OPEN
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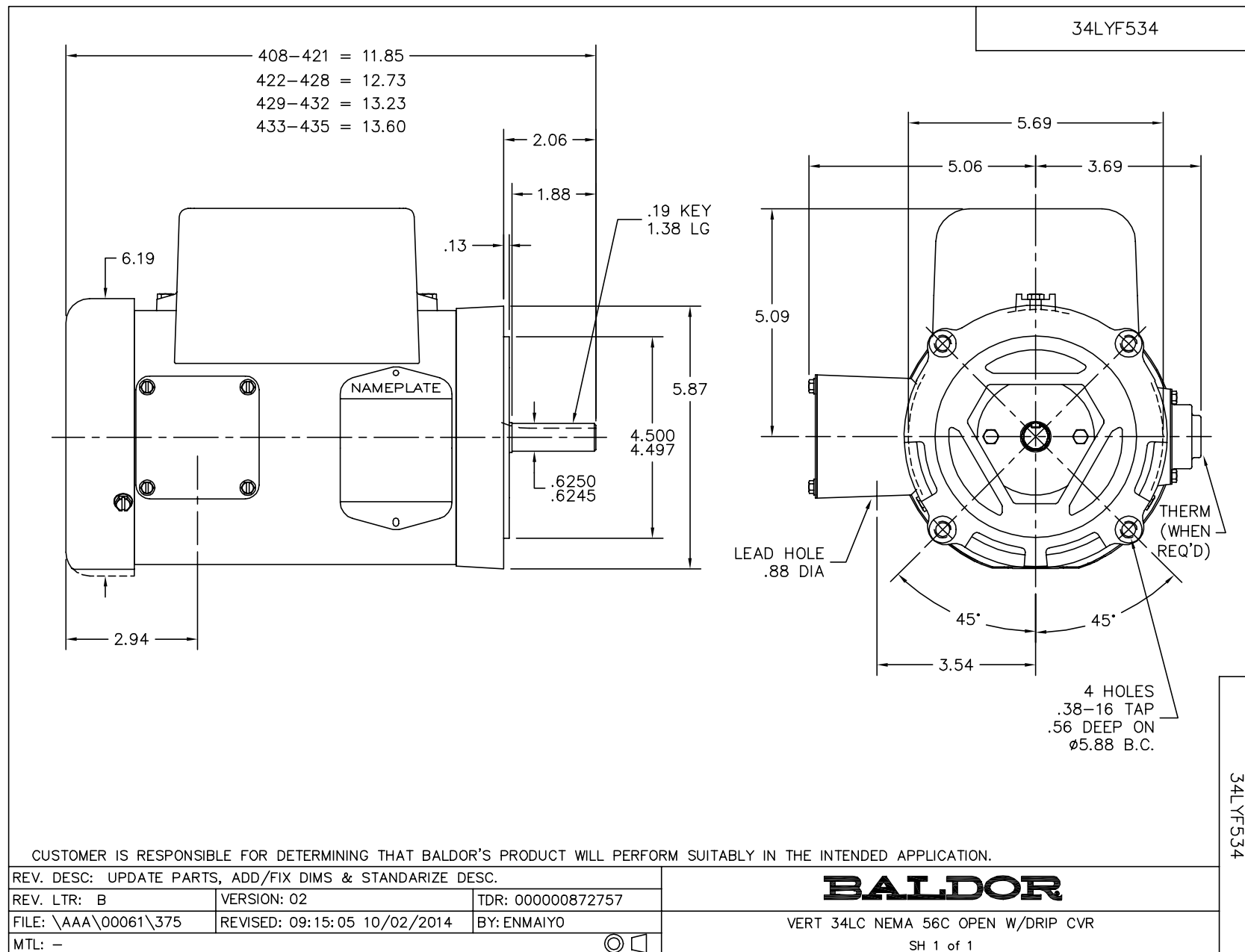
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	0.99 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	3.4/1.7			Breakdown Torque	2.46 LB-FT
R.P.M.	1740			Pull-up Torque	2.08 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.51 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	12.36 A
Service Factor (S.F.)	1.35			No-load Current	0.794 A
NEMA Nom. Eff.	72.4	Power Factor	85	Line-line Res. @ 25°C	1.75 Ω A Ph 5.76 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	30°C
S.F. Amps	4.4/2.2			Temp. Rise @ S.F. Load	40°C
				Rotor inertia	0.0428 LB-FT ²

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	66	74	82	86	88	90	89
Efficiency	41.8	66.8	73.5	74.3	73.8	72.1	73.1
Speed	1781	1773	1759	1743	1722	1700	1713
Line amperes	0.941	1.09	1.33	1.67	2.06	2.46	2.22

Performance Graph at 230V, 60Hz, 0.33HP Typical performance - Not guaranteed values





CD0055

