

BALDOR® • RELIANCE

Product Information Packet

VL3501-50

.33HP,1425RPM,1PH,50HZ,56C,3418L,TEFC,F1

Part Detail							
Revision:	AD	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3418L	Elec. Spec:	34WGW120	CD Diagram:	CD0001
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34C063	Layout:	34LYC063
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	07-15-2015
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1372L

CAT.NO.	VL3501-50											
SPEC.	34C63W120											
HP	.33											
VOLTS	110/220											
AMP	6.4/3.2											
RPM	1425 IP54											
FRAME	56C				HZ		50		PH		1	
SER.F.	1.35			CODE		L	DES		N	CL		F
NEMA-NOM-EFF	59			PF		60						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								
DE	6203			ODE		6203						
ENCL	TEFC			SN								
	SFA 7.2/3.6											

Parts List		
Part Number	Description	Quantity
SA005695	SA 34C63W120	1.000 EA
RA002441	RA 34C63W120	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2500A01	INSULATOR, AUTO THER PROT	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED PRIMED	1.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	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
34FH4002A01SP	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
34EP3300A24SP	PU ENDPLATE, MACH	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
SP5051B16	MDL 34 TORQ STAT SW,TYPE L , STD F1 & F2	1.000 EA
EC1189A02SP	61B2D120189NNBA ELEC CAP, 189-227MFD, 12	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 EA
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 EA
NP1372L	ALUM UL CSA CE CC	1.000 EA
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

AC Induction Motor Performance Data

Record # 6887 - Typical performance - not guaranteed values

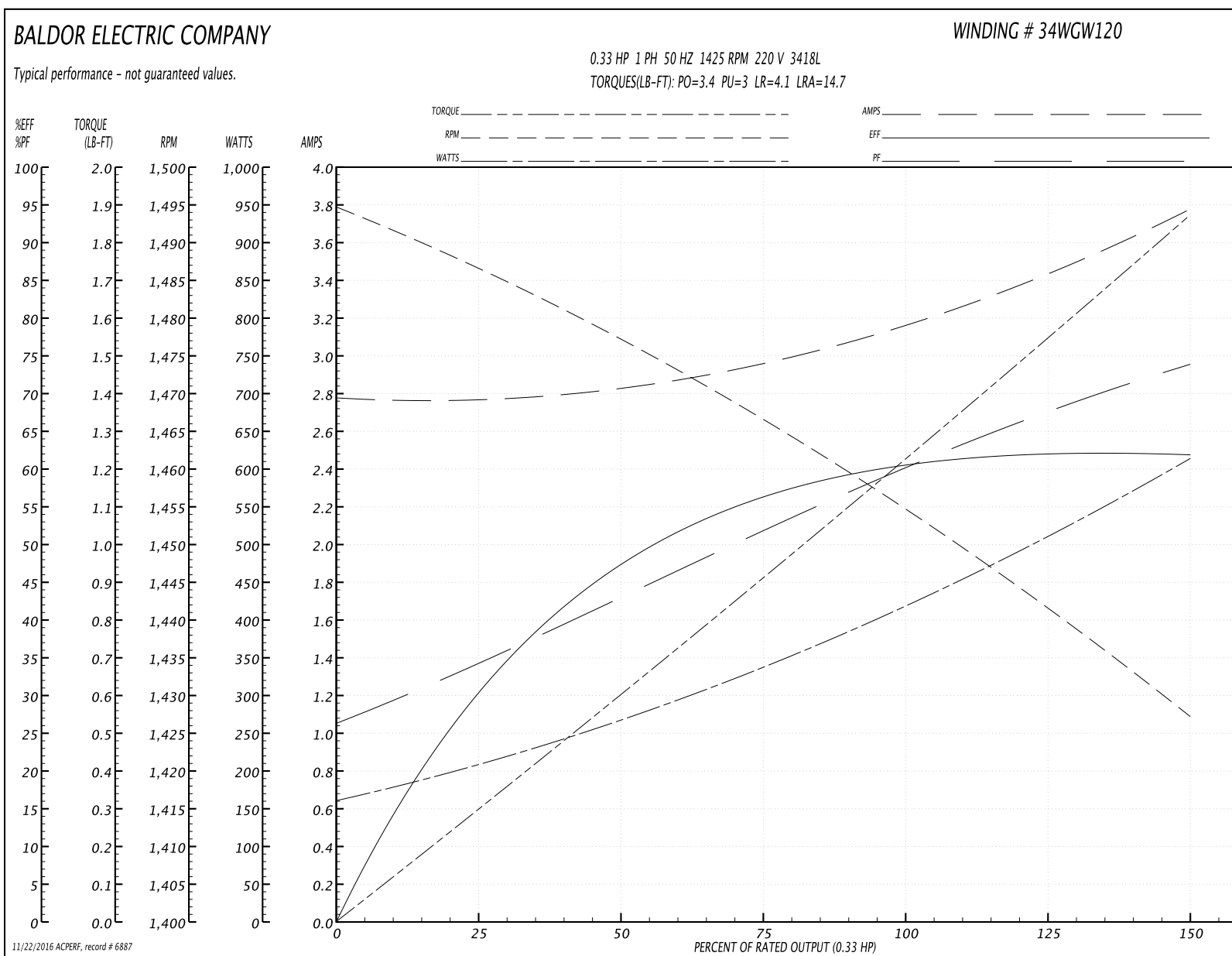
Winding: 34WGW120-R001	Type: 3418L	Enclosure: TEFC
-------------------------------	--------------------	------------------------

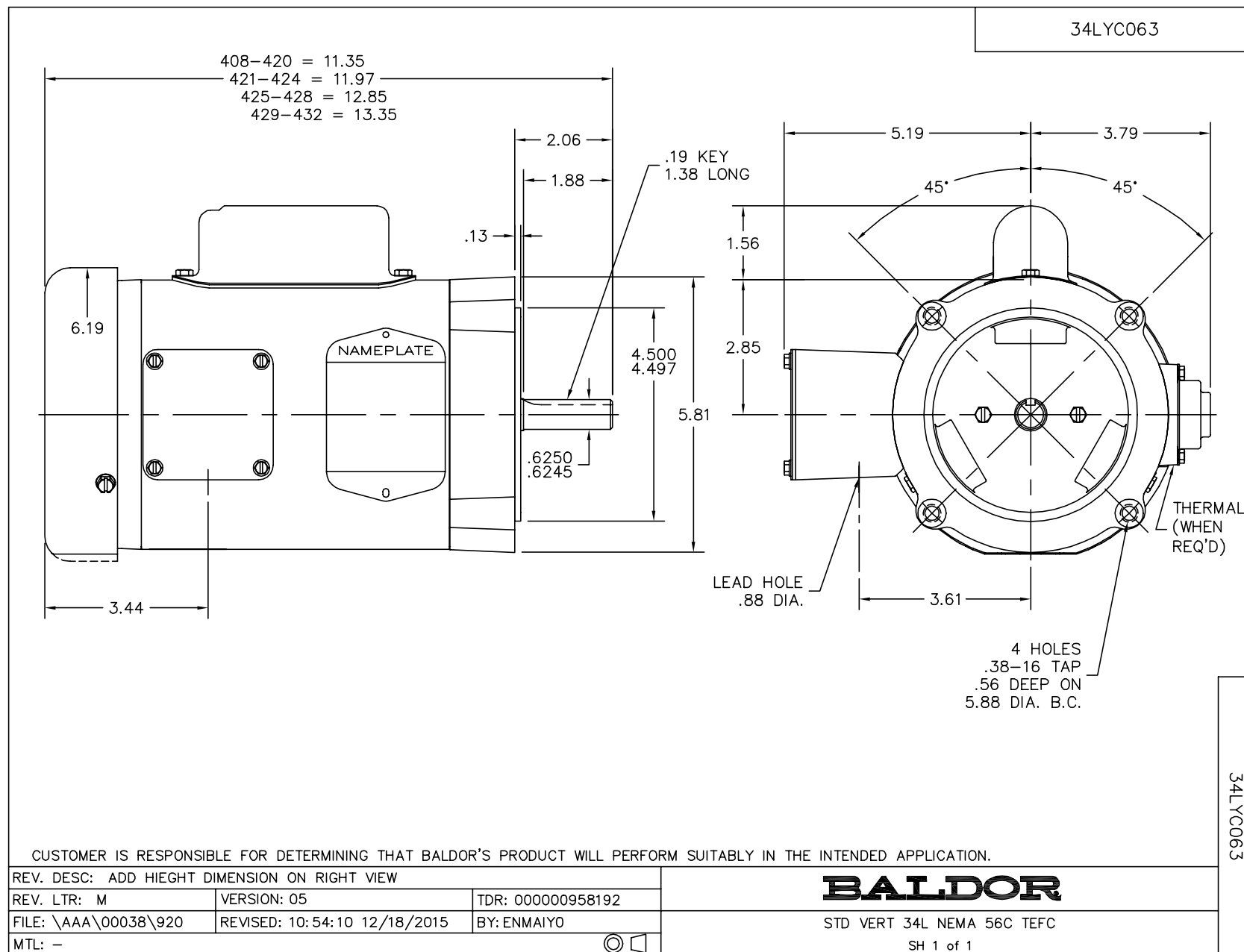
Nameplate Data				220 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	1.25 LB-FT
Volts	110/220			Start Configuration	direct on line
Full Load Amps	6.4/3.2			Breakdown Torque	3.4 LB-FT
R.P.M.	1425			Pull-up Torque	3 LB-FT
Hz	50	Phase	1	Locked-rotor Torque	4.1 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	14.7 A
Service Factor (S.F.)	1.35			No-load Current	2.77 A
NEMA Nom. Eff.	59	Power Factor	60	Line-line Res. @ 25°C	6.14 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps	7.2/3.6			Temp. Rise @ S.F. Load	85°C

Load Characteristics 220 V, 50 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	47	55	61	68	75	72
Efficiency	30	45.9	58.3	62.3	61.7	61.5	61.6
Speed	1486	1476	1466	1454	1441	1427	1436
Line amperes	2.79	2.8	3	3.2	3.4	3.8	3.6

Performance Graph at 220V, 50Hz, 0.33HP Typical performance - Not guaranteed values





CD0001

