

BALDOR® • RELIANCE

Product Information Packet

JM3154

1.5HP,1725RPM,3PH,60HZ,56J,3520M,OPEN,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3432M	Elec. Spec:	34WGX116	CD Diagram:	CD0005
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34F038	Layout:	34LYF038
Frame:	56J	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	03-15-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	JM3154										
SPEC.	34F038X116G1										
HP	1.5										
VOLTS	208-230/460										
AMP	5.2-5.6/2.8										
RPM	1725										
FRAME	56J				HZ		60			PH	3
SER.F.	1.15			CODE	M	DES		B	CLASS	B	
NEMA-NOM-EFF	77			PF	65						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							
DE	6203			ODE		6203					
ENCL	OPEN		SN								

Parts List		
Part Number	Description	Quantity
SA124268	SA 34F038X116G1	1.000 EA
RA114701	RA 34F038X116G1	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
34EP3212A03	FR EP 34L FOR DRIP CVR	1.000 EA
HW5100A03SP	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
34FH4000A15	DRIP COVER, STAMPED,PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4101A09	STIMPSON D3560, .875 DIA. HOLE PLUG	1.000 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
RM1010A01	35-968-1 VINYL CLS	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
HA3100A38	THRUBOLT 10-32 X 9.375	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

AC Induction Motor Performance Data

Record # 20837 - Typical performance - not guaranteed values

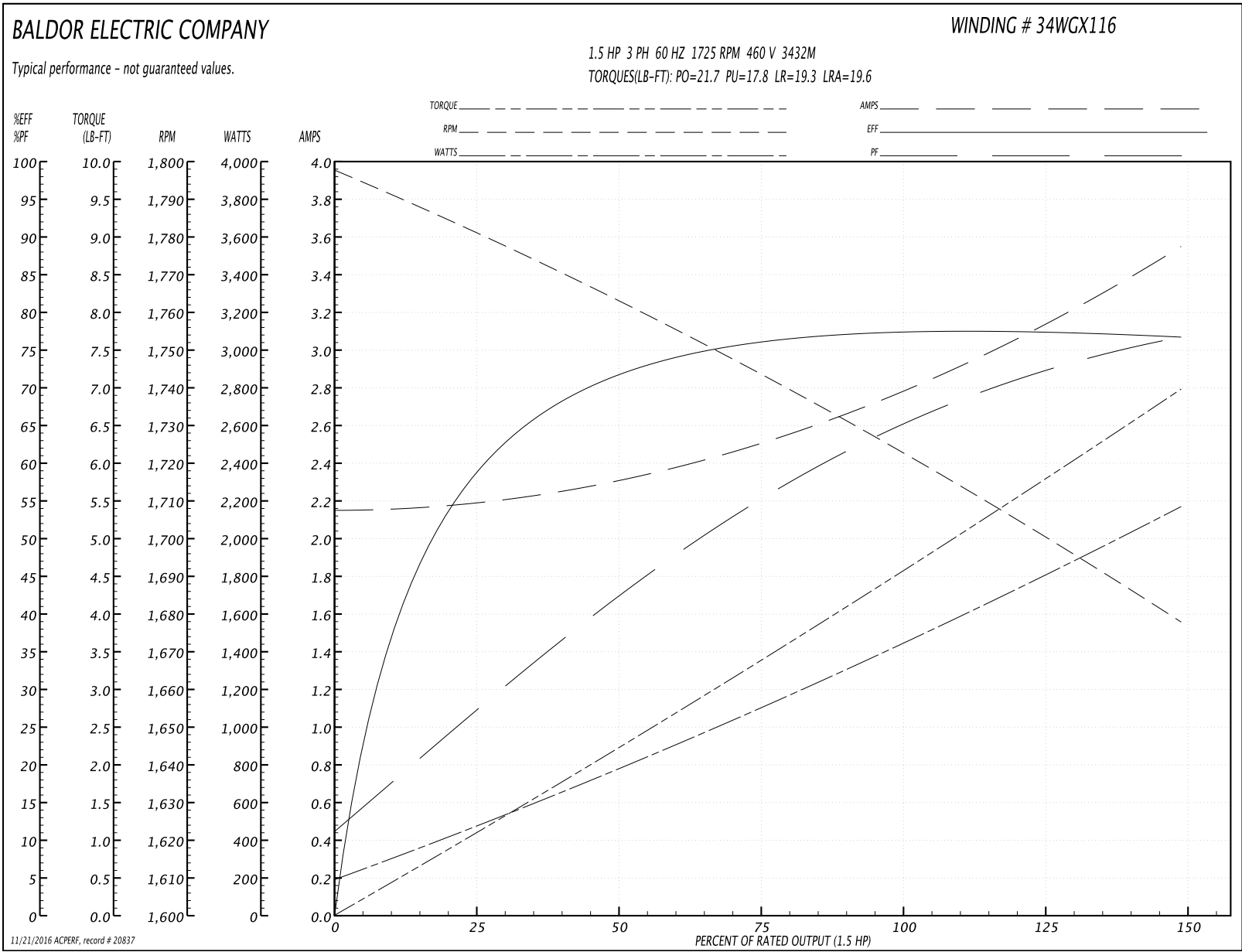
Winding: 34WGX116-R002	Type: 3432M	Enclosure: OPEN
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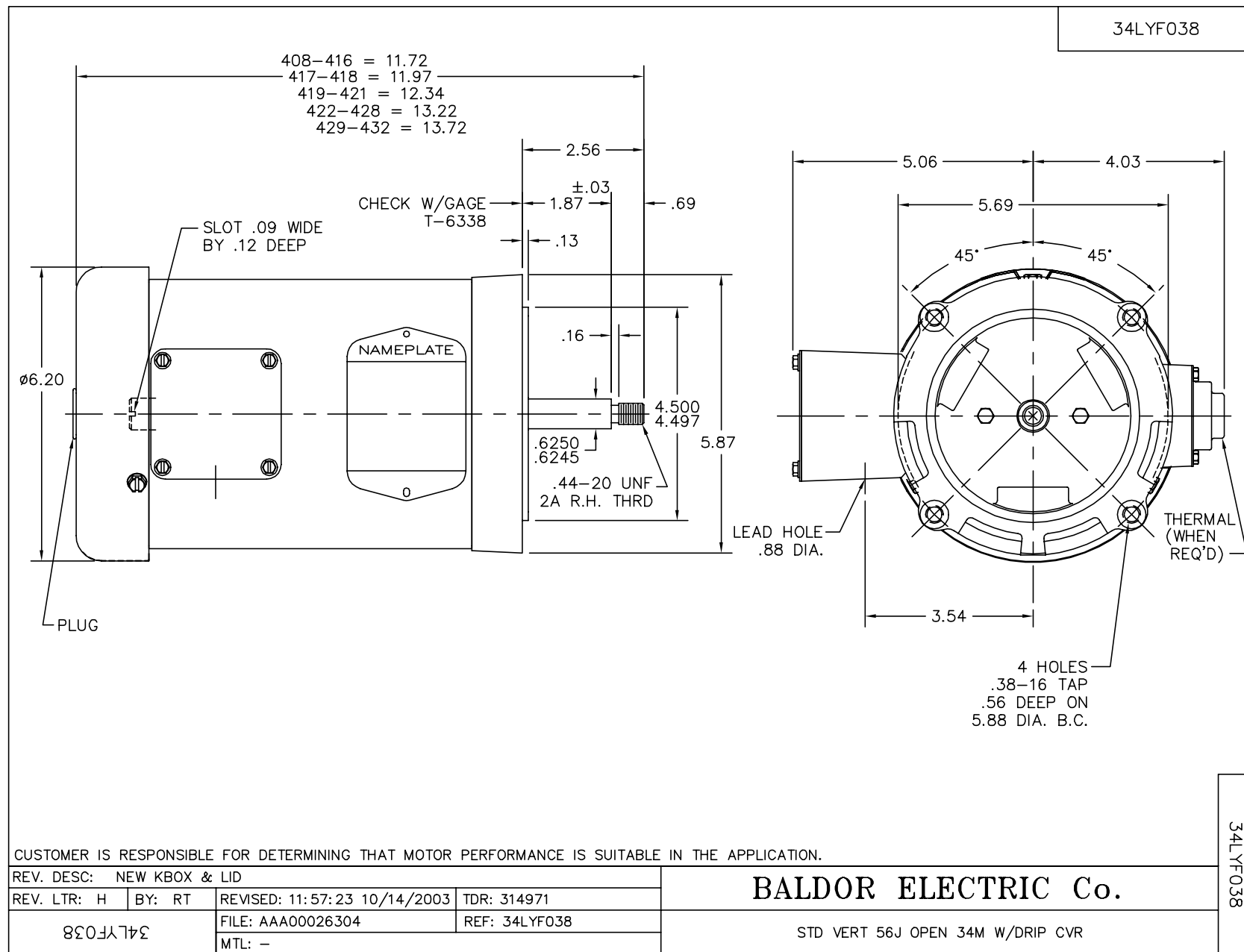
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.56 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.2-5.6/2.8			Breakdown Torque	21.7 LB-FT
R.P.M.	1725			Pull-up Torque	17.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19.3 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	19.6 A
Service Factor (S.F.)	1.15			No-load Current	2.17 A
NEMA Nom. Eff.	77	Power Factor	65	Line-line Res. @ 25°C	8.69 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C
S.F. Amps				Temp. Rise @ S.F. Load	80°C
				Locked-rotor Power Factor	54
				Rotor inertia	0.0762 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

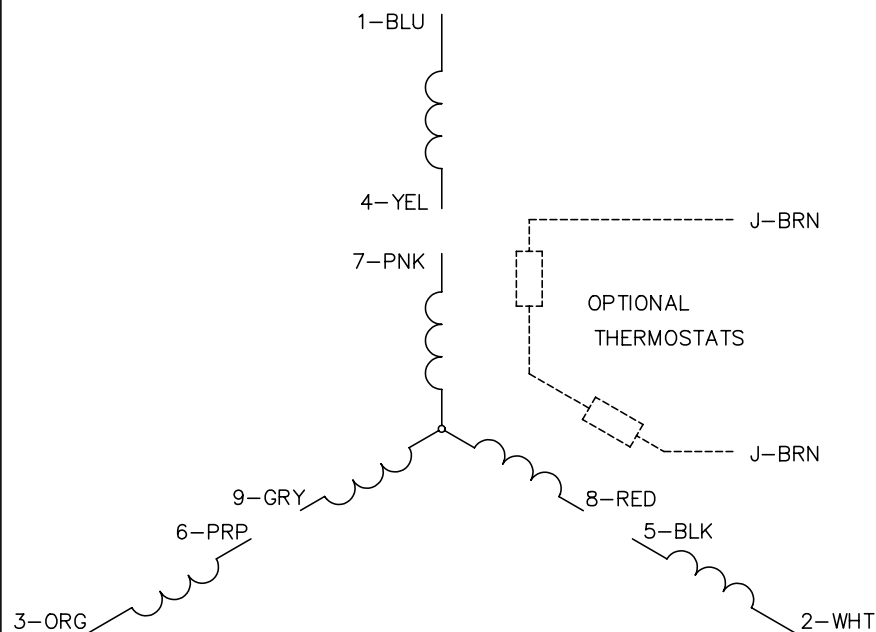
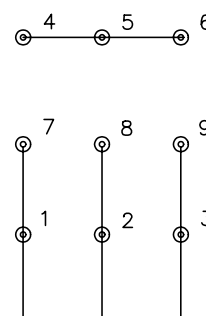
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	43	55	65	72	77	69
Efficiency	58.7	72.3	76.6	78.1	77.9	76.8	78
Speed	1780	1762	1744	1724	1701	1677	1710
Line amperes	2.16	2.3	2.51	2.8	3.14	3.54	3

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values

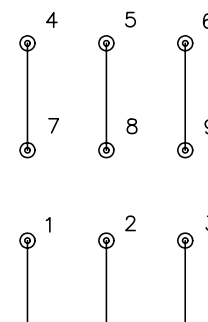




CD0005

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