

BALDOR® • **RELIANCE**

Product Information Packet

NM3455

.25HP, 1140RPM, 3PH, 60HZ, 48, 3411M, TENV, F1

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3411M	Elec. Spec:	34WG5882	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	34L051	Layout:	34LYL051
Frame:	48	Mounting:	F1	Poles:	06	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-03-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	NM3455									
SPEC.	34L51-5882									
HP	.25									
VOLTS	230/460									
AMP	1.4/.7									
RPM	1140									
FRAME	48				HZ	60			PH	3
SER.F.	1.35			CODE	K	DES	B		CLASS	F
NEMA-NOM-EFF	68			PF	51					
RATING	40C AMB-CONT									
CC									USABLE AT 208V	1.6
DE	6203				ODE	6203				
ENCL	TENV			SN						
	SFA 1.5/.75									

Parts List		
Part Number	Description	Quantity
SA007934	SA 34L51-5882	1.000 EA
RA004381	RA 34L51-5882	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
34EP3100A03SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 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
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
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA

AC Induction Motor Performance Data
Record # 50804 - Typical performance - not guaranteed values

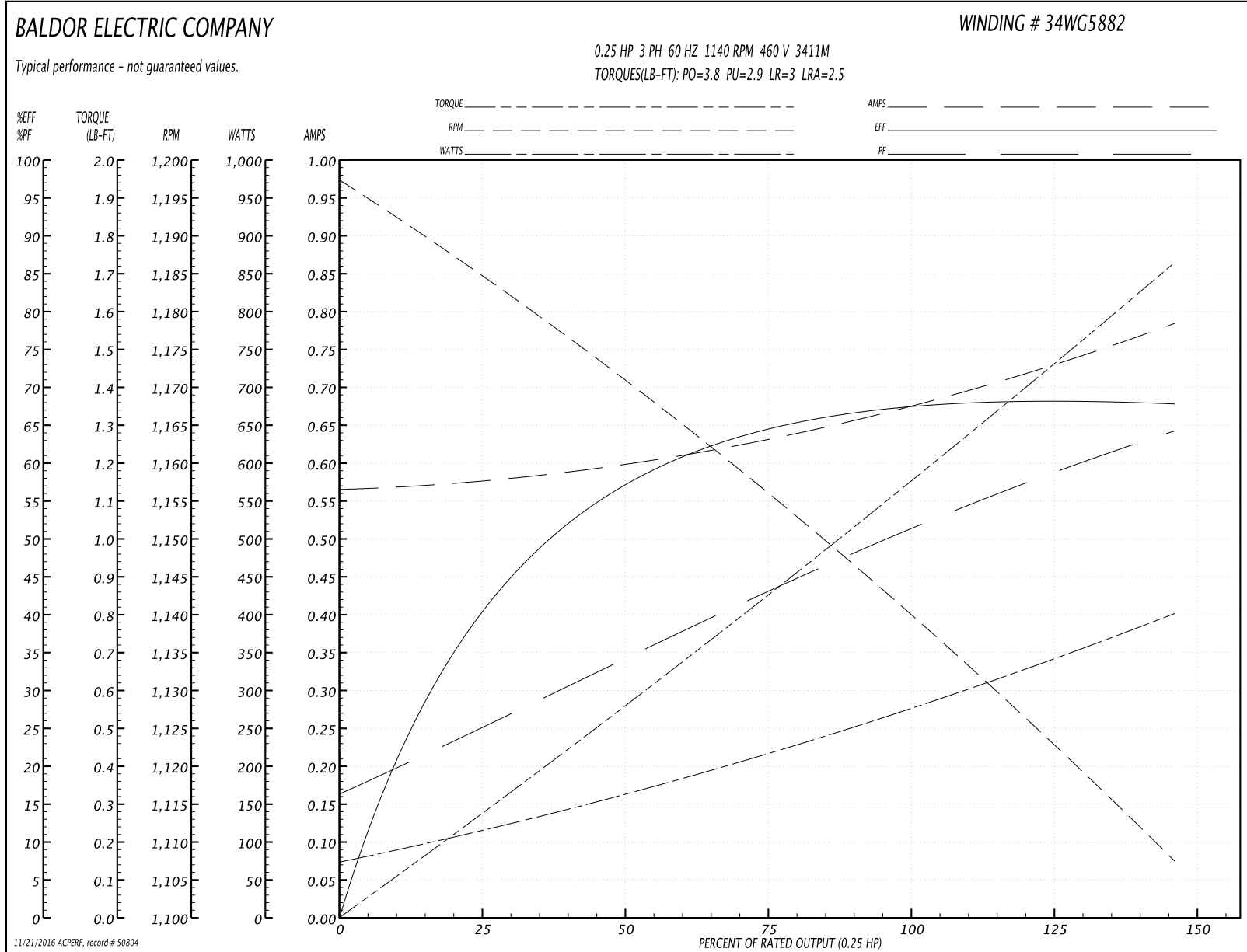
Winding: 34WG5882-R006	Type: 3411M	Enclosure: TENV
-------------------------------	--------------------	------------------------

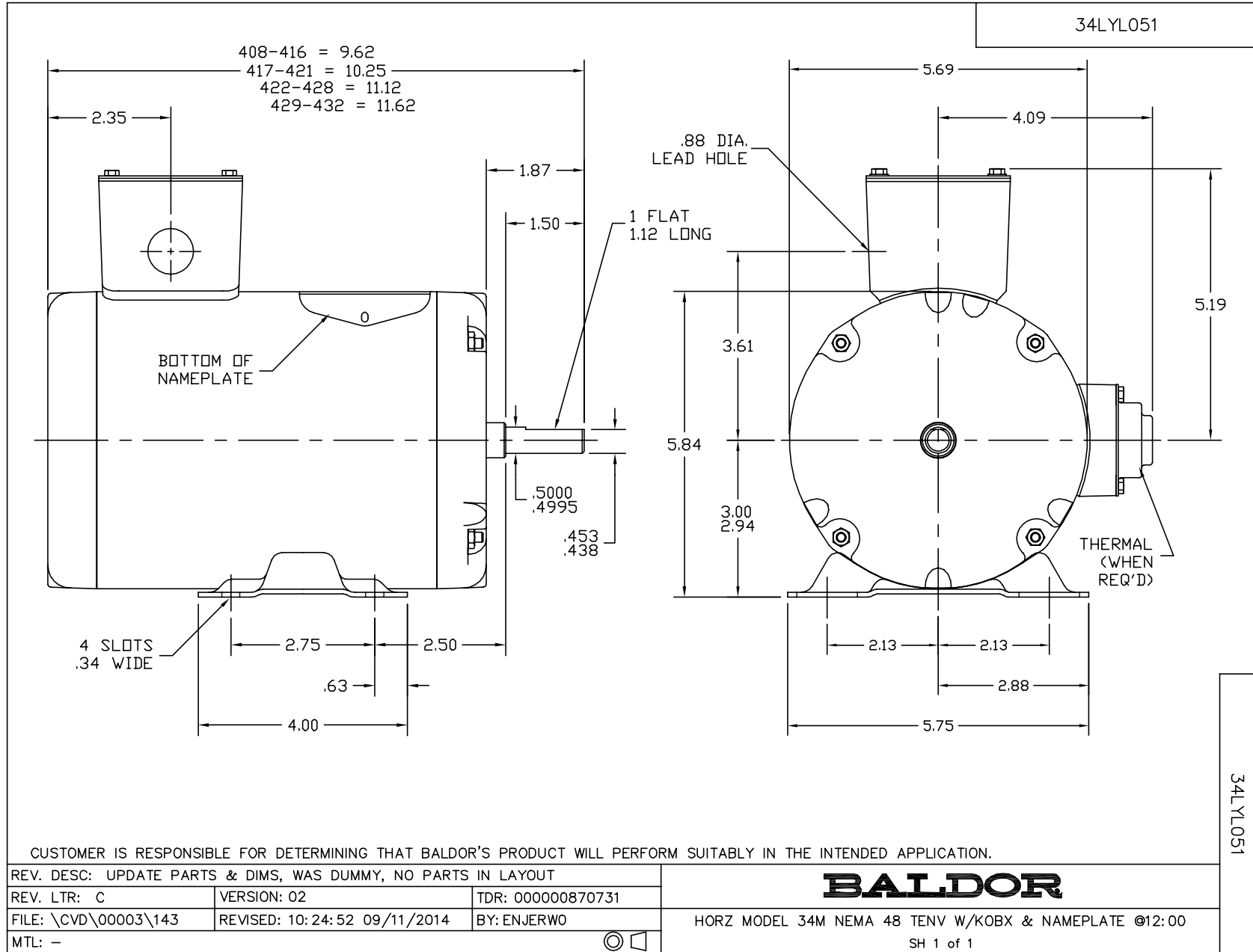
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.25			Full Load Torque	1.15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	1.4/7			Breakdown Torque	3.8 LB-FT
R.P.M.	1140			Pull-up Torque	2.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	3 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	2.5 A
Service Factor (S.F.)	1.35			No-load Current	0.57 A
NEMA Nom. Eff.	68	Power Factor	51	Line-line Res. @ 25°C	83 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
S.F. Amps	1.5/7.5			Temp. Rise @ S.F. Load	
				Locked-rotor Power Factor	68.8
				Rotor inertia	0.0261 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	24	35	44	51	58	65	61
Efficiency	44	57	64.2	67.4	68.1	68	68.1
Speed	1184	1171	1157	1139	1122	1109	1117
Line amperes	0.57	0.6	0.63	0.68	0.73	0.78	0.75

Performance Graph at 460V, 60Hz, 0.25HP Typical performance - Not guaranteed values

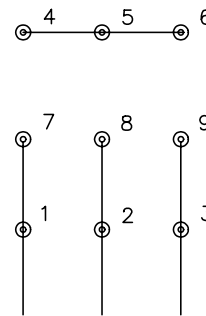




CD0005

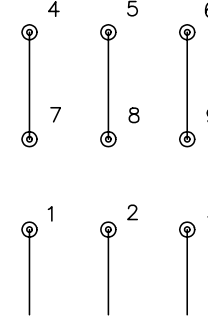


LOW VOLTAGE
(2Y)



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