

BALDOR® • RELIANCE

Product Information Packet

EM31104-5

.33HP,1725RPM,3PH,60HZ,56,3416M,OPEN,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3416M	Elec. Spec:	34WGR271	CD Diagram:	CD0006
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34F779	Layout:	34LYF779
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	01-12-2015
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	08-23-2016
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2116L

CAT.NO.	EM31104-5									
SPEC.	34F779R271G1									
HP	.33									
VOLTS	575									
AMP	.5									
RPM	1725									
FRAME	56						HZ	60		
SER.F.	1.35					CODE	N		DES	B
NEMA-NOM-EFF	73.4					PF	66		CL	B
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6203					ODE	6203			
ENCL	OPEN					SN				
	SFA .6									

Parts List		
Part Number	Description	Quantity
SA292191	SA 34F779R271G1	1.000 EA
RA278308	RA 34F779R271G1	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
34EP3210A01SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3212A02	PU ENDPLATE, MODEL 34 OPEN	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
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
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
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
NP2116L	ALUM SUPER-E UL CSA CC	1.000 EA
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA

AC Induction Motor Performance Data

Record # 48811 - Typical performance - not guaranteed values

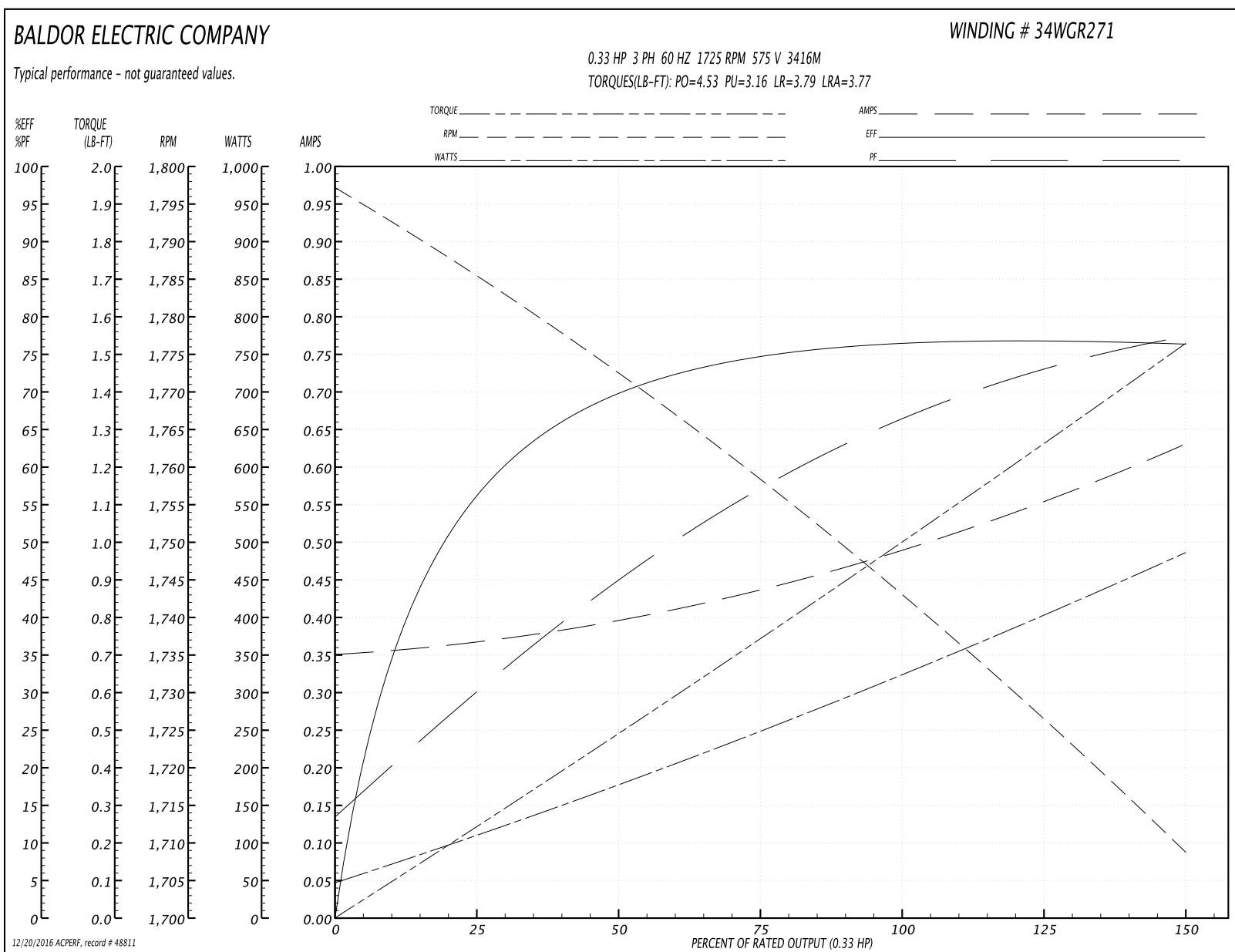
Winding: 34WGR271-R001	Type: 3416M	Enclosure: OPEN
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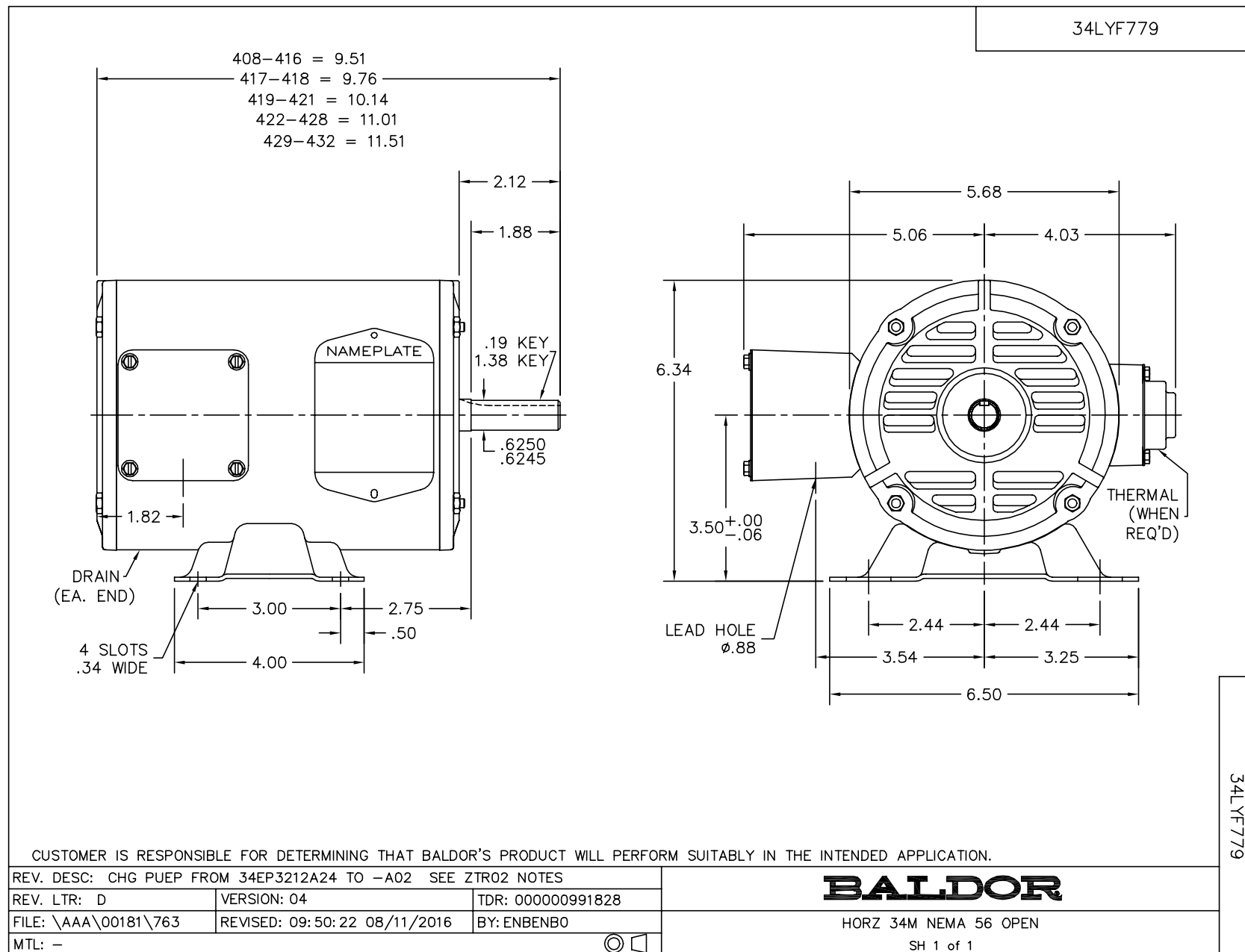
Nameplate Data				575 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	1.01 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	.5			Breakdown Torque	4.53 LB-FT
R.P.M.	1725			Pull-up Torque	3.16 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	3.79 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	3.77 A
Service Factor (S.F.)	1.35			No-load Current	0.353 A
NEMA Nom. Eff.	73.4	Power Factor	66	Line-line Res. @ 25°C	66.3 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	18°C
S.F. Amps	.6			Temp. Rise @ S.F. Load	23°C
				Locked-rotor Power Factor	58.6
				Rotor inertia	0.0381 LB-FT ²

Load Characteristics 575 V, 60 Hz, 0.33 HP

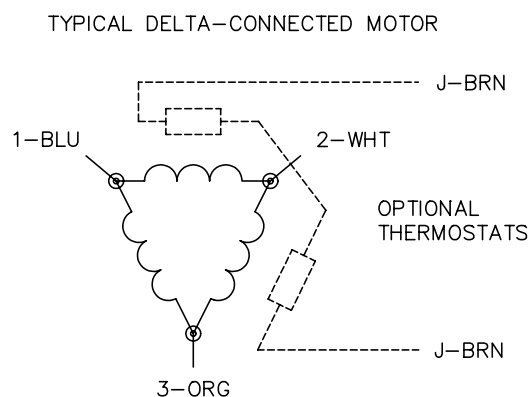
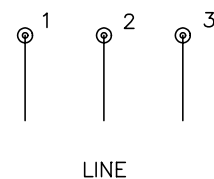
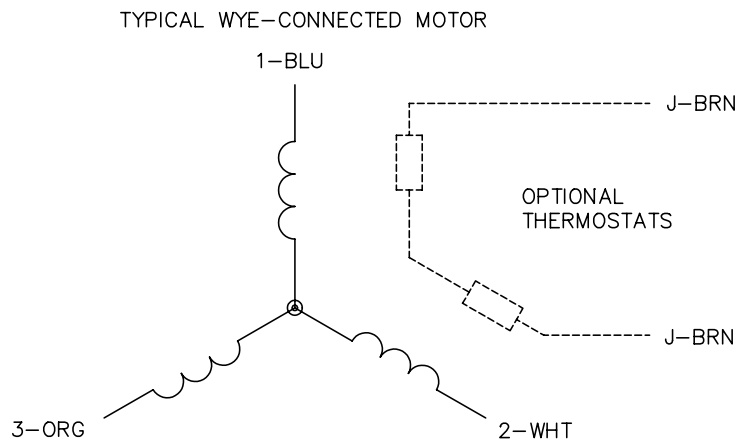
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	45	57	66	73	78	75
Efficiency	55.6	69.9	74.7	77	76.5	76.4	76.5
Speed	1786	1772	1758	1743	1726	1709	1719
Line amperes	0.364	0.396	0.438	0.492	0.556	0.629	0.585

Performance Graph at 575V, 60Hz, 0.33HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

90000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006