

BALDOR® • RELIANCE

Product Information Packet

MVM3711D

7.5KW,3490RPM,3PH,60HZ,D132SD,3729M,TEFC

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3729M	Elec. Spec:	37WGR210	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37E651	Layout:	37LYE651
Frame:	D132SD	Mounting:	B5	Poles:	02	Created Date:	12-14-2011
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1407L					
CAT.NO.	MVM3711D				
SPEC.	37E651R210H1				
IEC FRAME	D132SD	K.W.	7.5KW TE		
VOLTS	208-230/460				
AMP	25.7-24/12				
RPM	3490	I.P.	54		
HZ	60	PH	3	CL	F
SER.F.	1.15	DES	B	CODE	H
NEMA-NOM-EFF	89.5	PF	87		
RATING	40C AMB-CONT				
CC	010A	USABLE AT 208V			
DE	6309	ODE	6206		
SER. #					

Parts List		
Part Number	Description	Quantity
SA236390	SA 37E651R210H1	1.000 EA
RA223336	RA 37E651R210H1	1.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3004	37 CB CASTING W/1.09 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	SCREW, HEX WS SLT, ZN	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A01SP	FR ENDPLATE,TEFC, 37 L&M, W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
29EP1901A03	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4600A27	SEAL 1.750 X 2.441 X 0.313 SINGLE LIP	1.000 EA
10XN2520A32	1/4 X 2 HEX HEAD CAP SCR,GRADE 2	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007SP	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008SP	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2505B18	KEY, 8 X 10 MM X 2.00 LONG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ5001A27	32220KN GRAY SEALER	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
NP1407L	ALUM IEC UL CSA CE CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

AC Induction Motor Performance Data

Record # 36253 - Typical performance - not guaranteed values

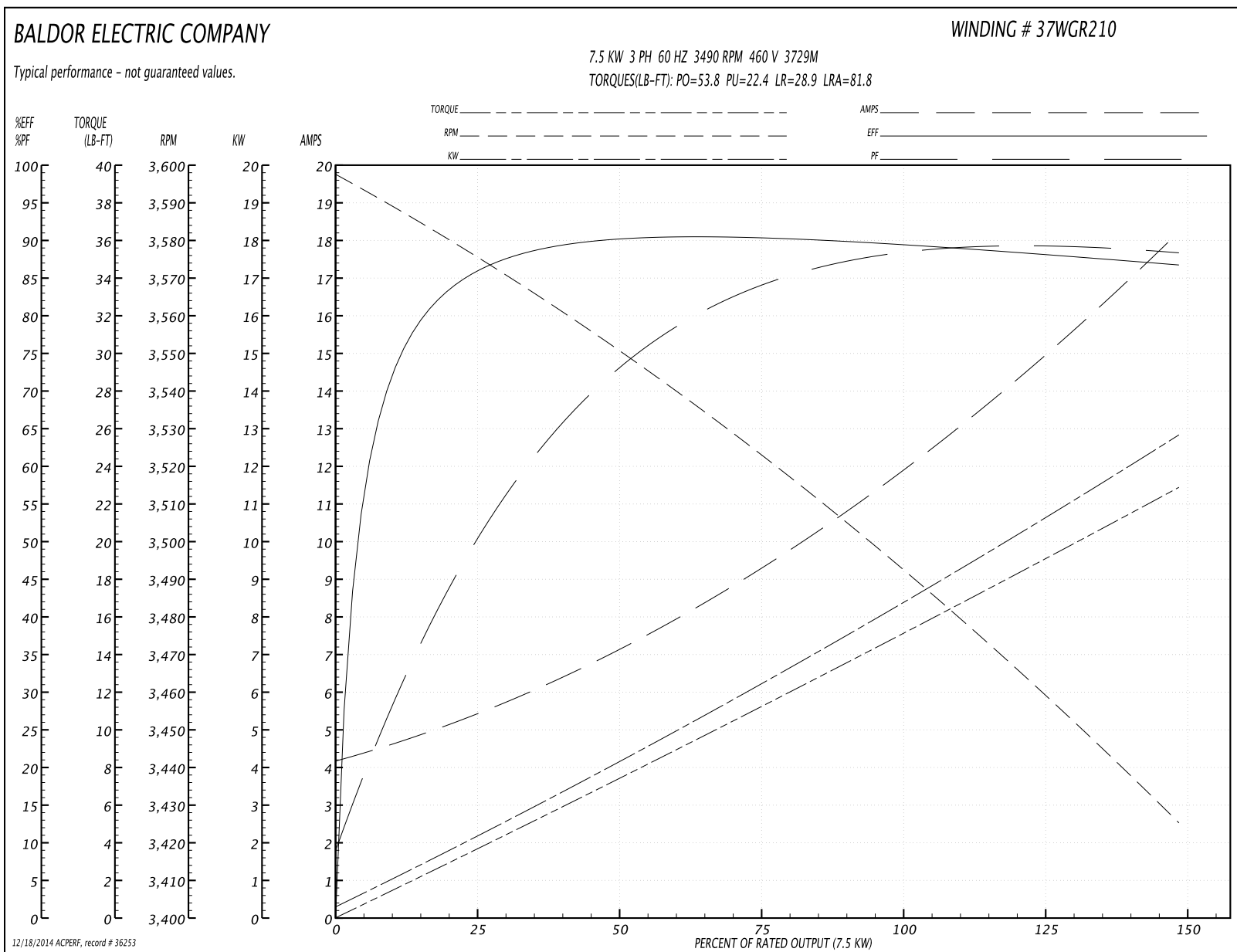
Winding: 37WGR210-R002	Type: 3729M	Enclosure: TEFC
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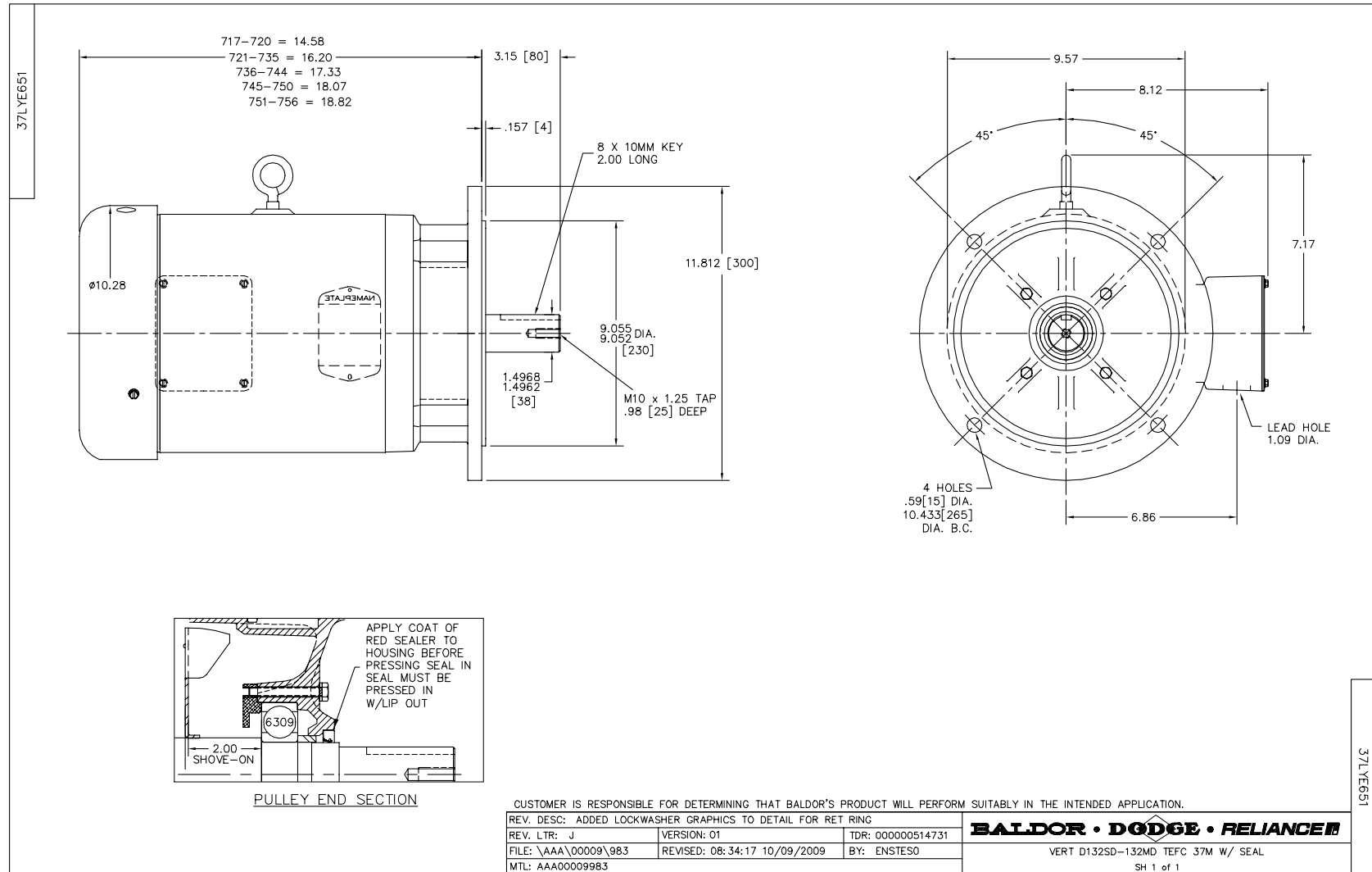
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (KW)	7.5			Full Load Torque	15 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	25.7-24/12			Breakdown Torque	53.8 LB-FT
R.P.M.	3490			Pull-up Torque	22.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	28.9 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	81.8 A
Service Factor (S.F.)	1.15			No-load Current	4.37 A
NEMA Nom. Eff.	89.5	Power Factor	87	Line-line Res. @ 25°C	1.0521 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	83°C
S.F. Amps				Temp. Rise @ S.F. Load	104°C
				Rotor inertia	0.264 LF ²

Load Characteristics 460 V, 60 Hz, 7.5 KW

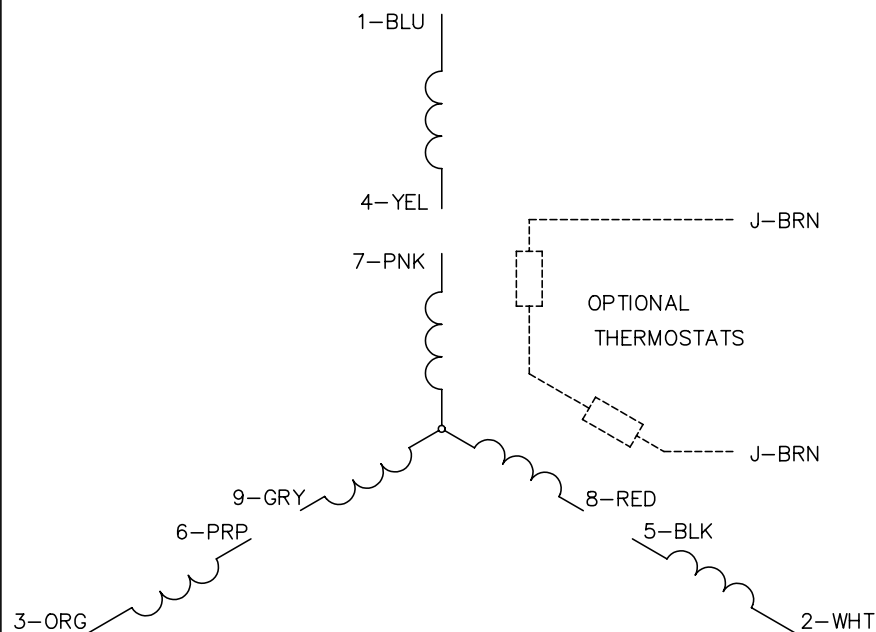
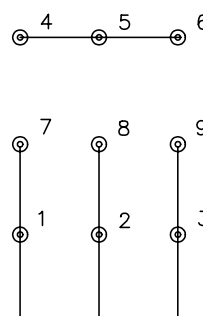
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	74	84	87	89	89	88
Efficiency	85.4	89.9	90.5	89.8	88.5	86.8	89
Speed	3574.2	3550.5	3524	3494.7	3461.4	3424.4	3475
Line amperes	5.15	7.01	9.23	12	14.9	18.1	13.7

Performance Graph at 460V, 60Hz, 7.5KW Typical performance - Not guaranteed values

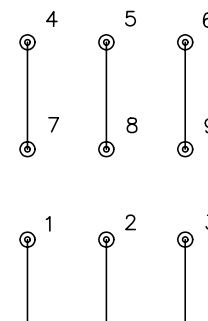




CD0005

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

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005