

BALDOR® • RELIANCE

Product Information Packet

VM3711T-5

10HP,3490RPM,3PH,60HZ,215TC,3729M,TEFC,F

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3729M	Elec. Spec:	37WGR214	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37H329	Layout:	37LYH329
Frame:	215TC	Mounting:	F1	Poles:	02	Created Date:	12-12-2011
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	3#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	VM3711T-5									
SPEC.	37H329R214H1									
HP	10									
VOLTS	575									
AMP	9.6									
RPM	3490									
FRAME	215TC	HZ			60	PH		3		
SER.F.	1.15	CODE			H	DES		B	CLASS	F
NEMA-NOM-EFF	89.5	PF			87					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6307	ODE			6206					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA236391	SA 37H329R214H1	1.000 EA
RA223337	RA 37H329R214H1	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
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	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
37EP3300A01	FACE MT ENDPLATE-ENCL-307 BRG-213TC-215T	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A30	HEX HD CAP SCREW-STD THD-.25 X 20 THD PE	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
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
LC0006	CONNECTION LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 36254 - Typical performance - not guaranteed values

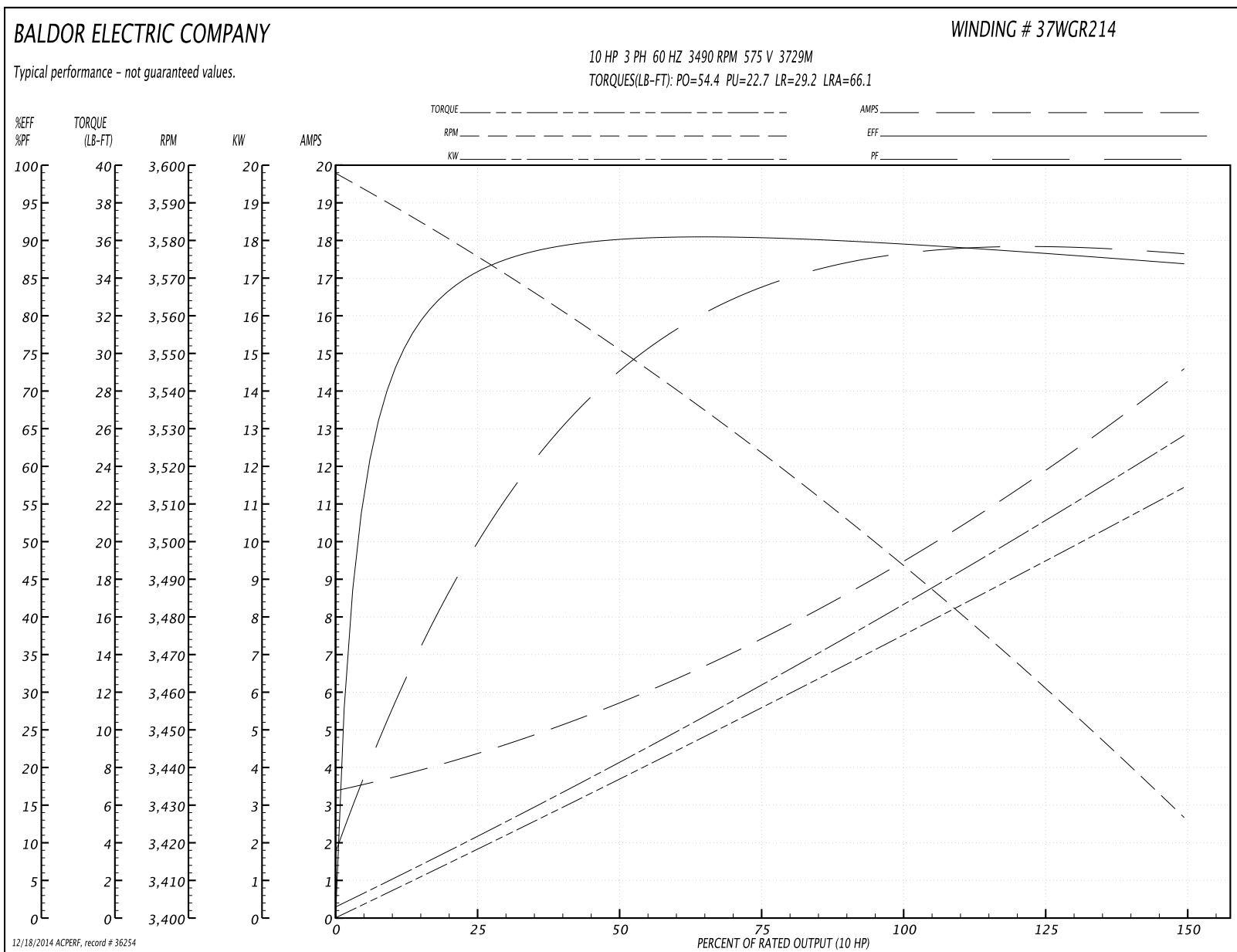
Winding: 37WGR214-R001	Type: 3729M	Enclosure: TEFC
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Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	15 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	9.6			Breakdown Torque	54.4 LB-FT
R.P.M.	3490			Pull-up Torque	22.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	29.2 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	66.1 A
Service Factor (S.F.)	1.15			No-load Current	3.54 A
NEMA Nom. Eff.	89.5	Power Factor	87	Line-line Res. @ 25°C	1.53 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	82°C
S.F. Amps				Temp. Rise @ S.F. Load	100°C
				Rotor inertia	0.264 LF ²

Load Characteristics 575 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	74	84	87	89	89	88
Efficiency	85.6	89.9	90	89.9	88.5	86.8	89.1
Speed	3574	3551	3524	3495	3462	3426	3475
Line amperes	4.16	5.63	7.41	9.61	11.9	14.5	11

Performance Graph at 575V, 60Hz, 10.0HP 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

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

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

CD0006