

BALDOR® • RELIANCE

Product Information Packet

HPM3714T

10HP,1770RPM,3PH,60HZ,215TYZ,3740M,TEFC

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3740M	Elec. Spec:	37WGS275	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37J606	Layout:	37LYJ606
Frame:	215TYZ	Mounting:	F3	Poles:	04	Created Date:	07-18-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	HPM3714T								
SPEC.	37J606S275H1								
HP	10								
VOLTS	208-230/460								
AMP	28-27/13.5								
RPM	1770								
FRAME	215TYZ	HZ			60	PH	3		
SER.F.	1.15	CODE			K	DES	A	CLASS	F
NEMA-NOM-EFF	89.5	PF			77				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6208	ODE			6206				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA160681	SA 37J606S275H1	1.000 EA
RA149267	RA 37J606S275H1	1.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 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
37EP1110A44	PU EP 37 ENCL 307 BRG 4-BLT SAE	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 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
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
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
G0PA1000	SPCL PACKAGING	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 24713 - Typical performance - not guaranteed values

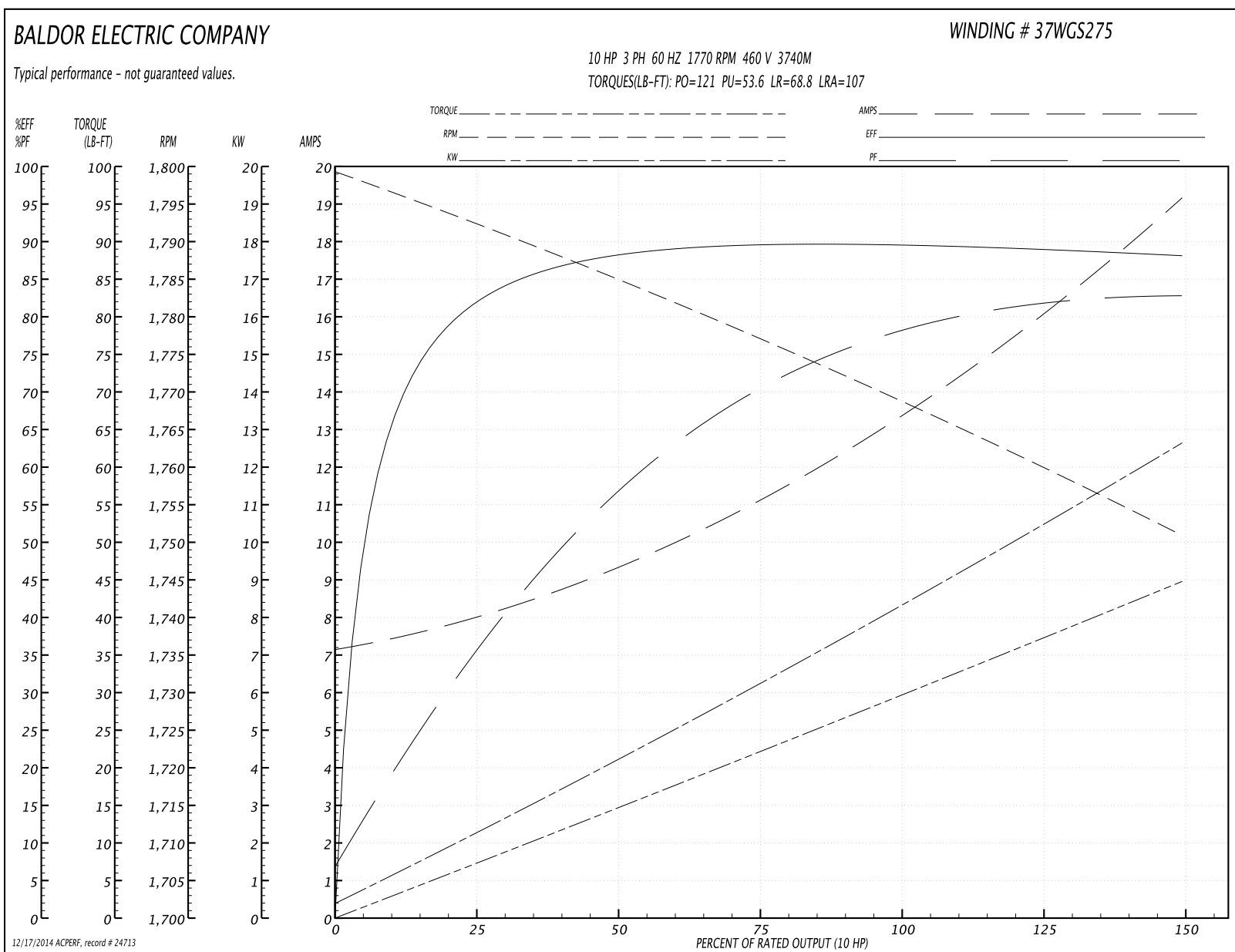
Winding: 37WGS275-R001	Type: 3740M	Enclosure: TEFC
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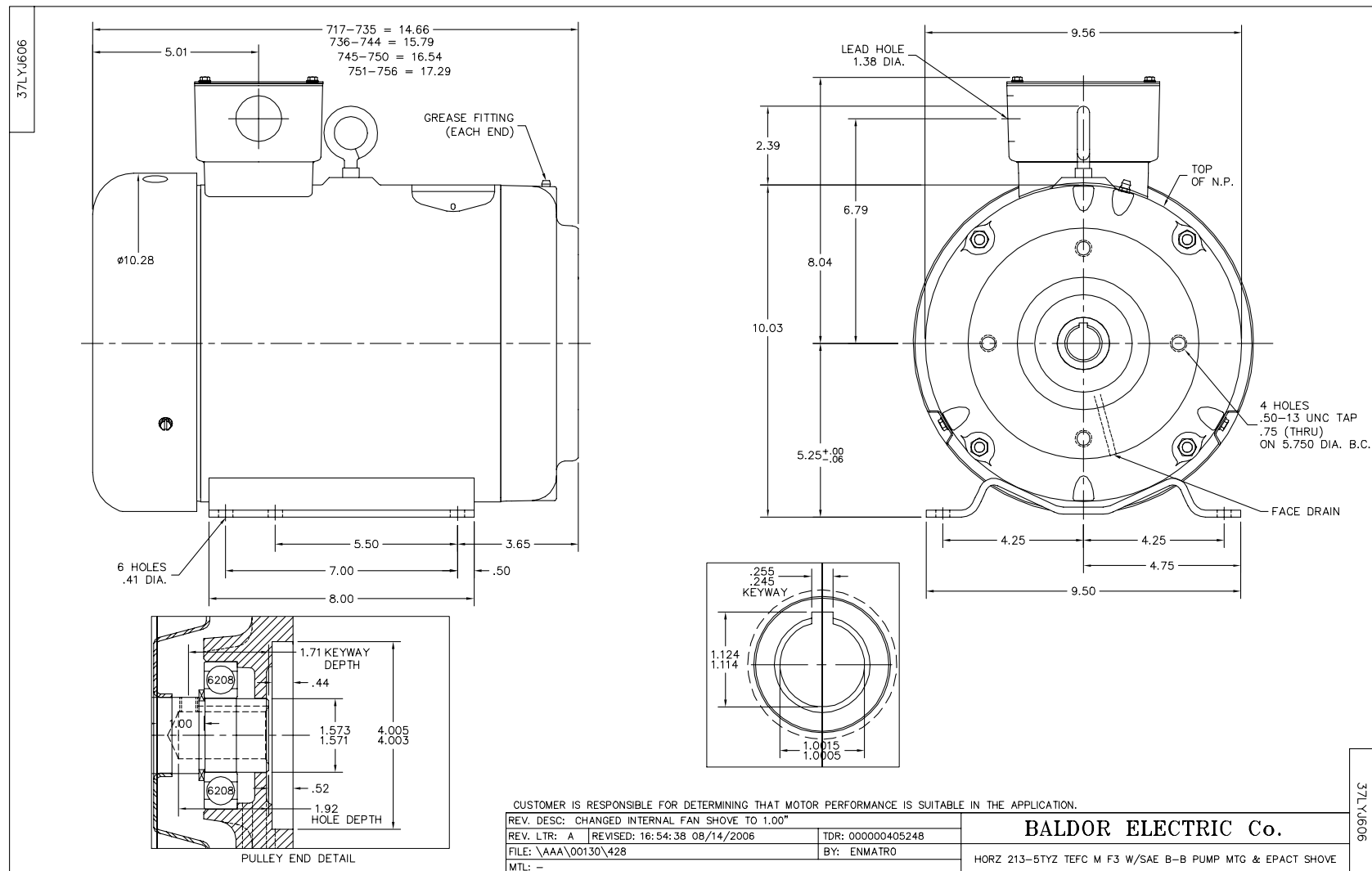
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	29.5 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	28-27/13.5			Breakdown Torque	121 LB-FT
R.P.M.	1770			Pull-up Torque	53.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	68.8 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	107 A
Service Factor (S.F.)	1.15			No-load Current	7.31 A
NEMA Nom. Eff.	89.5	Power Factor	77	Line-line Res. @ 25°C	1.16 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	78°C
S.F. Amps				Temp. Rise @ S.F. Load	94°C
				Rotor inertia	0.984 LF ²

Load Characteristics 460 V, 60 Hz, 10 HP

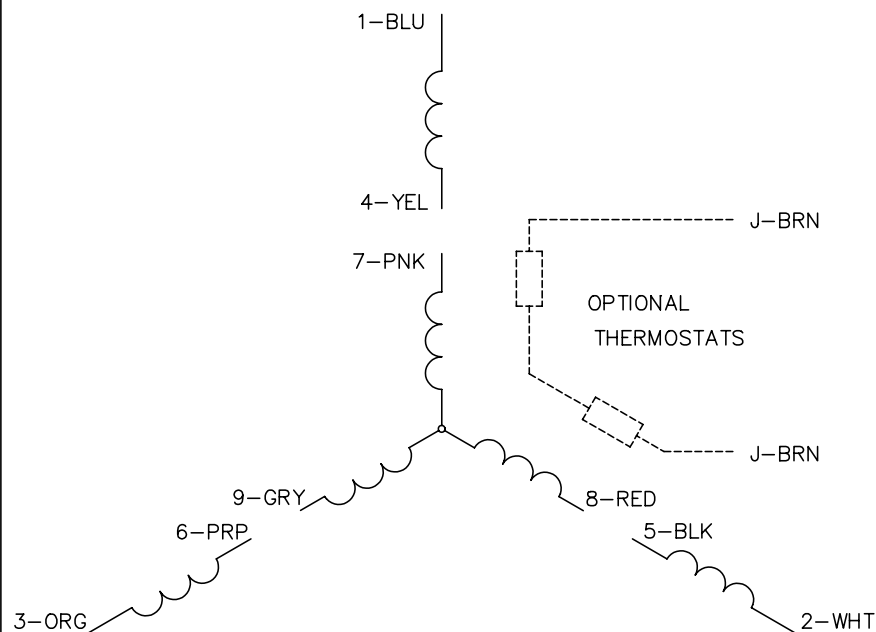
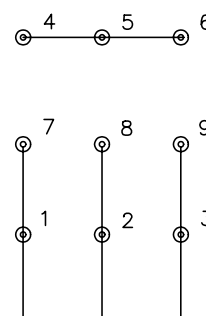
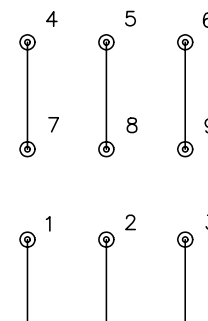
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	58	70	77	81	83	79
Efficiency	81.4	88.2	89.6	89.7	89	88	89.3
Speed	1793	1785	1777	1769	1760	1751	1764
Line amperes	7.82	9.21	11	13.5	16.2	19	15.1

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values





CD0005

LOW VOLTAGE
(2Y)HIGH VOLTAGE
(1Y)

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