

BALDOR® • RELIANCE

Product Information Packet

ZDWNM3707T

5HP,1760RPM,3PH,60HZ,213TC,3735M,TENV,F1

Part Detail							
Revision:	V	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3735M	Elec. Spec:	37WGY153	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	37H311	Layout:	37LYH311
Frame:	213TC	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	04-02-2015
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1609L

CAT NO	ZDWNM3707T									
SPEC.	37H311Y153Z2									
FRAME	213TC				HP	5	TE			
VOLTS	230/460									
MAG CUR	6.8/3.4					FLA	13.4/6.7			
RPM	1760				RPM MAX	6000				
HZ	60			PH	3	CLASS	H			
SER.F.	1.00			DES	B	SL HZ	1.16			
NEMA-NOM-EFF	89.5			WK2	0.74					
BLWR V			PH		HZ		A			
RATING	40C AMB-CONT									
DE BRG	6307			ODE BRG	6206					
CC	010A		SER.NO							

Parts List		
Part Number	Description	Quantity
SA084513	SA 37H311Y153Z2	1.000 EA
RA077679	RA 37H311Y153Z2	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3005A04W	CASTING W/.75 NPT@6(MACH WHITE)	1.000 EA
37GS1015	GASKET, FOR 37 WD KOBX'S (SANTOPRENE)	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101B18MW	FRONT TENV L&M 206 BRG WD W/ SEAL & THRU	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B50SP	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3300A23MW	WHITE EPOXY EP MACH COMPL	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B51	SEAL 1.375 X 2.125 X 0.313 SINGLE LIP DB	1.000 EA
10XN2520S30	1/4-20 X 1 7/8 HEX HEAD SS	4.000 EA
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	2.000 EA
35FH4801W	THRU-SHAFT ENCODER COVER INV/VEC F1 & F2	1.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	4.000 EA
37CB4512	CONDUIT BOX LID FOR WASHDOWN 37 FRAME	1.000 EA
37GS1008A02	37 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 EA
HW4600B33	V-RING SLINGER 1.375 X 1.890 X .35 VITON	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2502F21	#303 SS,SQ KEY 5/16 X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.005 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
OE5011A05SP	HS25 ENCODER ASSY - TENV	1.000 EA
MG1025Z02	ACTIVATOR WILKOFASST 060.02HF	0.010 GA
MG1025W01	WILKOFASST, 781.01, SIGNAL WHITE #9003	0.028 GA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA3104S14	300UBOLT 12.125LG SS	4.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1609L	SS WD VEC UL CSA CC REV MTG	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Page 1 of 1



AC Induction Motor Performance Data

Record # 12246

Typical performance - not guaranteed values

Winding: 37WGY153	Type: 3735M	Enclosure: TENV
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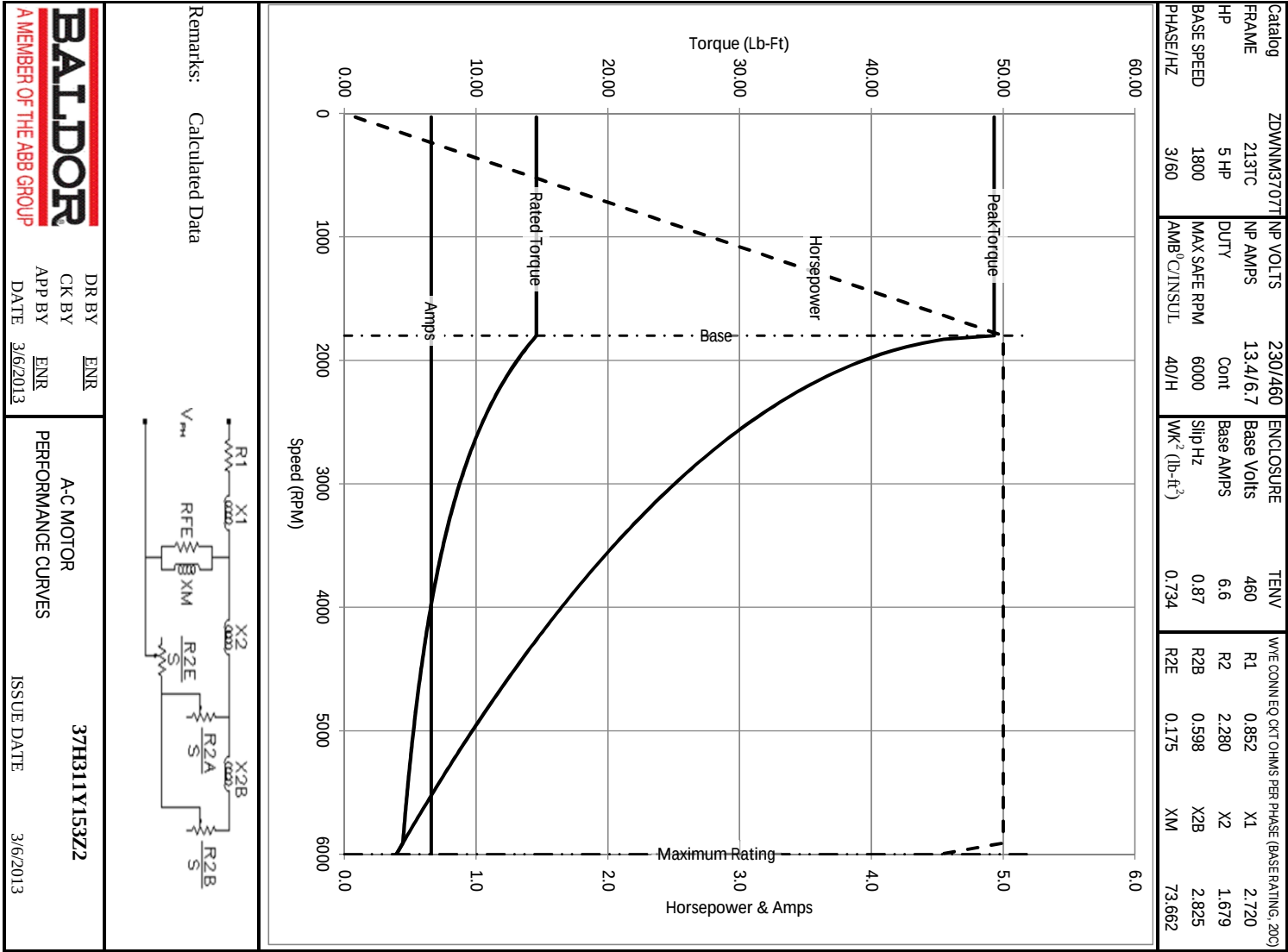
Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection				
Rated Output (HP)	5		Full Load Torque	14.7 LB-FT			
Volts	230/460		Start Configuration	DOL			
Full Load Amps	13.4/6.7		Break Down Torque	54.8 LB-FT			
R.P.M.	1760		Pull-Up Torque	34.2 LB-FT			
Hz	60	Phase	Locked-rotor Torque	45.2 LB-FT			
NEMA Design Code	B	KVA Code	Starting Current	54.3 Amps			
Service Factor	1		No-load Current	3.4 Amps			
NEMA Nom. Eff.	89.5	P.F.	Line-line Res. @ 25°C.	1.55 Ohms			
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	87°C			
S.F. Amps			Temp. Rise @ S.F. Load				

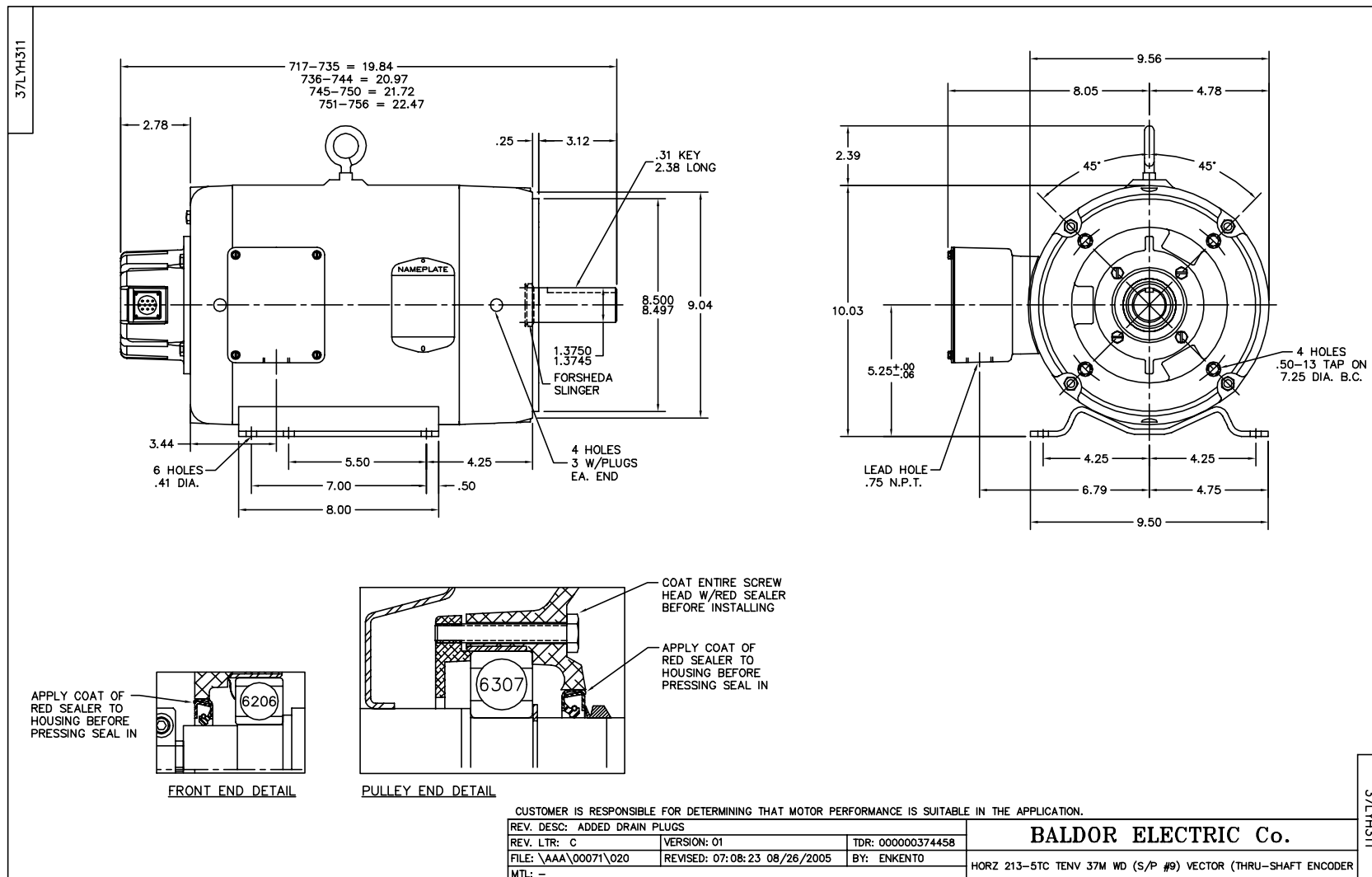
Load Characteristics at 460 Volts, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	60	71	76	80	82	
Efficiency	81.9	88.6	91.2	91.5	91.3	90.4	
Speed	1793	1787	1780	1774	1767	1759	
Line Amperes	3.7	4.6	5.5	6.6	8	9.5	

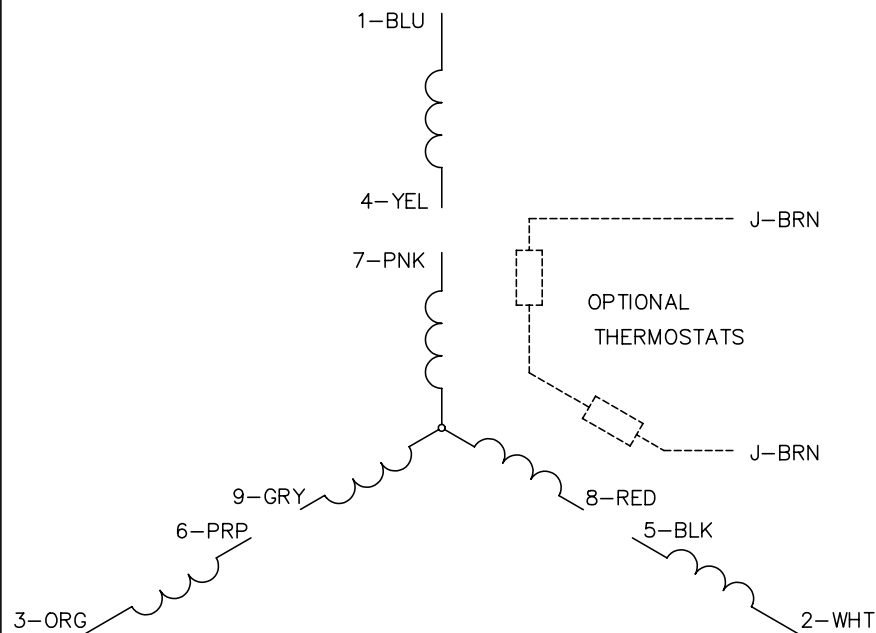
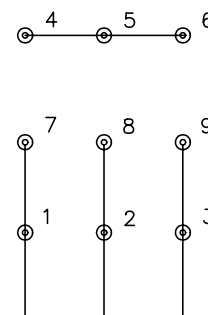
Baldor Electric Company Fort Smith, Arkansas



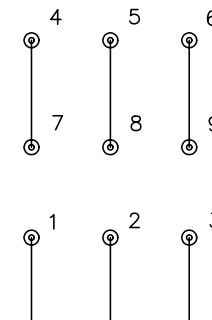




CD0005

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