

BALDOR® • RELIANCE

Product Information Packet

VWDM3710T

7.5HP,1770RPM,3PH,60HZ,213TC,3731M,TEFC

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3731M	Elec. Spec:	37WGS150	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37H875	Layout:	37LYH875
Frame:	213TC	Mounting:	F1	Poles:	04	Created Date:	06-21-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-14-2014
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1496L									
CAT.NO.	VWDM3710T								
SPEC.	37H875S150H1								
HP	7.5								
VOLTS	208-230/460								
AMP	22-20.2/10.1								
RPM	1770								
FRAME	213TC	HZ			60	PH		3	
SER.F.	1.15	CODE			K	DES		A	CLASS
NEMA-NOM-EFF	89.5	PF			77				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6307	ODE			6206				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA199158	SA 37H875S150H1	1.000 EA
RA186497	RA 37H875S150H1	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
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
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
37EP3101A94MW	FRONT TEFC L&M 206 BRG W/O GR SR (WHITE)	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 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
HW4600B51SP	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
07FH4011	WASHDOWN IEC FH W/AUTOPHORETIC PRIMER	1.000 EA
11XW1032S06	SCREW, HXWSHR HD SLDTYF 410 SS	3.000 EA
HW4600B74	FORSHEDA V28A V-RING SEAL	1.000 EA
HW4600B31SP	V-RING SLINGER #V38A,1.42/1.50 SH BORE	1.000 EA
37CB4512	CONDUIT BOX LID FOR WASHDOWN 37 FRAME	1.000 EA
37GS1008A02	37 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 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
MJ5001A27	32220KN GRAY SEALER	0.001 QT
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025Z02	ACTIVATOR WILKOFAS 060-02	0.010 GA
MG1025W01	RAL9003, SIGNAL WHITE, GLOSS 85	0.028 GA
HA3104S14	300UBOLT 12.125LG SS	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
PK3082	STYROFOAM CRADLE	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 # 22653 - Typical performance - not guaranteed values

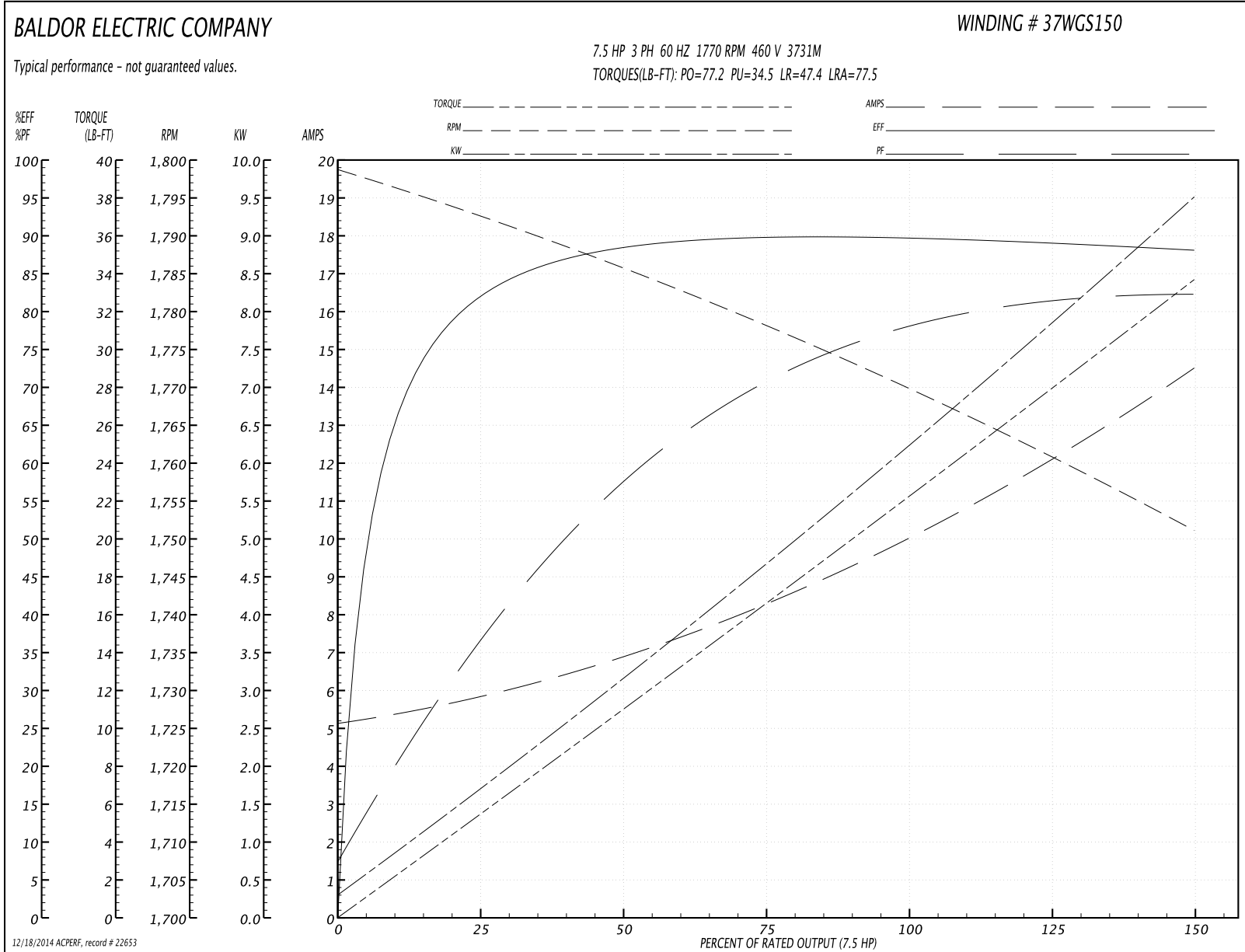
Winding: 37WGS150-R001	Type: 3731M	Enclosure: TEFC
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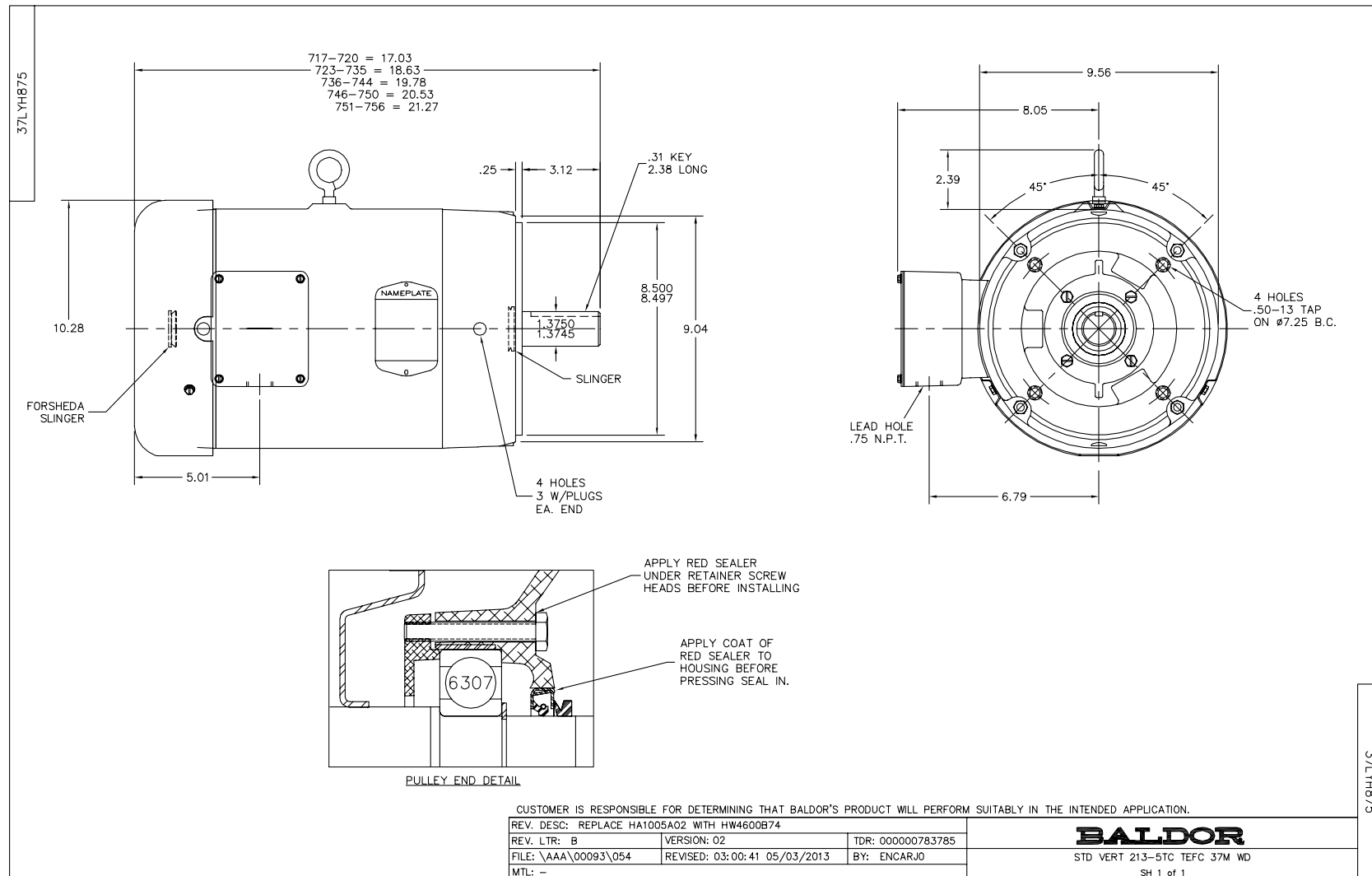
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	22.2 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	22-20.2/10.1			Breakdown Torque	77.2 LB-FT
R.P.M.	1770			Pull-up Torque	34.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	47.4 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	77.5 A
Service Factor (S.F.)	1.15			No-load Current	5.25 A
NEMA Nom. Eff.	89.5	Power Factor	77	Line-line Res. @ 25°C	1.37 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
S.F. Amps				Temp. Rise @ S.F. Load	87°C
				Rotor inertia	0.762 LF ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	58	71	77	81	83	79
Efficiency	81.8	88.1	89.7	89.8	89.2	88.1	89.4
Speed	1792	1786	1778	1770	1761	1751	1765
Line amperes	5.72	6.78	8.33	10.1	12.2	14.4	11.4

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

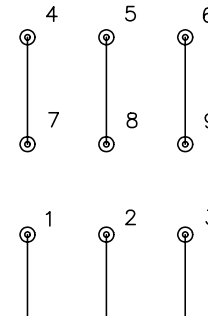




CD0005


 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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005