

BALDOR® • RELIANCE

Product Information Packet

JMSSEWDM3709T

7.5HP,3500RPM,3PH,60HZ,213JM,3734M,TEFC

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3734M	Elec. Spec:	37WGS136	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37J863	Layout:	37LYJ863
Frame:	213JM	Mounting:	F1	Poles:	02	Created Date:	01-25-2011
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	02-15-2017
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953C01

CAT.NO.	JMSSEWDM3709T									
SPEC.	37J863S136G1									
HP	7.5									
VOLTS	230/460									
AMP	16.8/8.3									
RPM	3500									
FRAME	213JM					HZ		60		
SER.F.	1.15			CODE		K	DES		A	
NEMA-NOM-EFF	91			PF		93			CLASS	
RATING	40C AMB-CONT									
CC	010A			USABLE AT 208V			19.9			
DE	6309			ODE		6307				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA245067	SA 37J863S136G1	1.000 EA
RA231954	RA 37J863S136G1	1.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
HW3200S01	EYEBOLT 3/8-16 X3/4 S.S. TDR #35988	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37FE1910A06	FREP TEFC 307 BRG NO GR SR W/SEAL 4X.125N	1.000 EA
RM1070A48	O-RING, .070 C.S. X 8.656 ID, VITON	1.000 EA
HW4600F34	35MM X 53MM X 4.5MM, VITON FACE SEAL	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
37PE1911A13	PUEP 213-5T 309 LKD BRG NO GR SR W/SEAL,	1.000 EA
RM1070A48	O-RING, .070 C.S. X 8.656 ID, VITON	1.000 EA
HW4600F80	45MM X 62MM X 4.5MM,VITON FACE SEAL AFS	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
RM1070A47	O-RING, -011 VITON/FKM .070CS X .301ID	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
37FH4000A45	STAINLESS FAN COVER, NO GREASER SLOT (FO	1.000 EA
10XN1032S06	HEX HD CAP SCREW, SS	3.000 EA
36CB4517	LIPPED CB LID #304 STAINLESS - CLEANED	1.000 EA
37GS3010	1/16"WHITE LID GASKET	1.000 EA
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.005 QT

Parts List (continued)		
Part Number	Description	Quantity
MJ5004A37	#76732 LOCTITE ANTISEIZE THRD COMPOUND	0.005 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 EA
HA3104S14	300UBOLT 12.125LG SS	4.000 EA
37PA1067	PALLET PACK GROUP, BLANK PK1156	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA

AC Induction Motor Performance Data

Record # 57387 - Typical performance - not guaranteed values

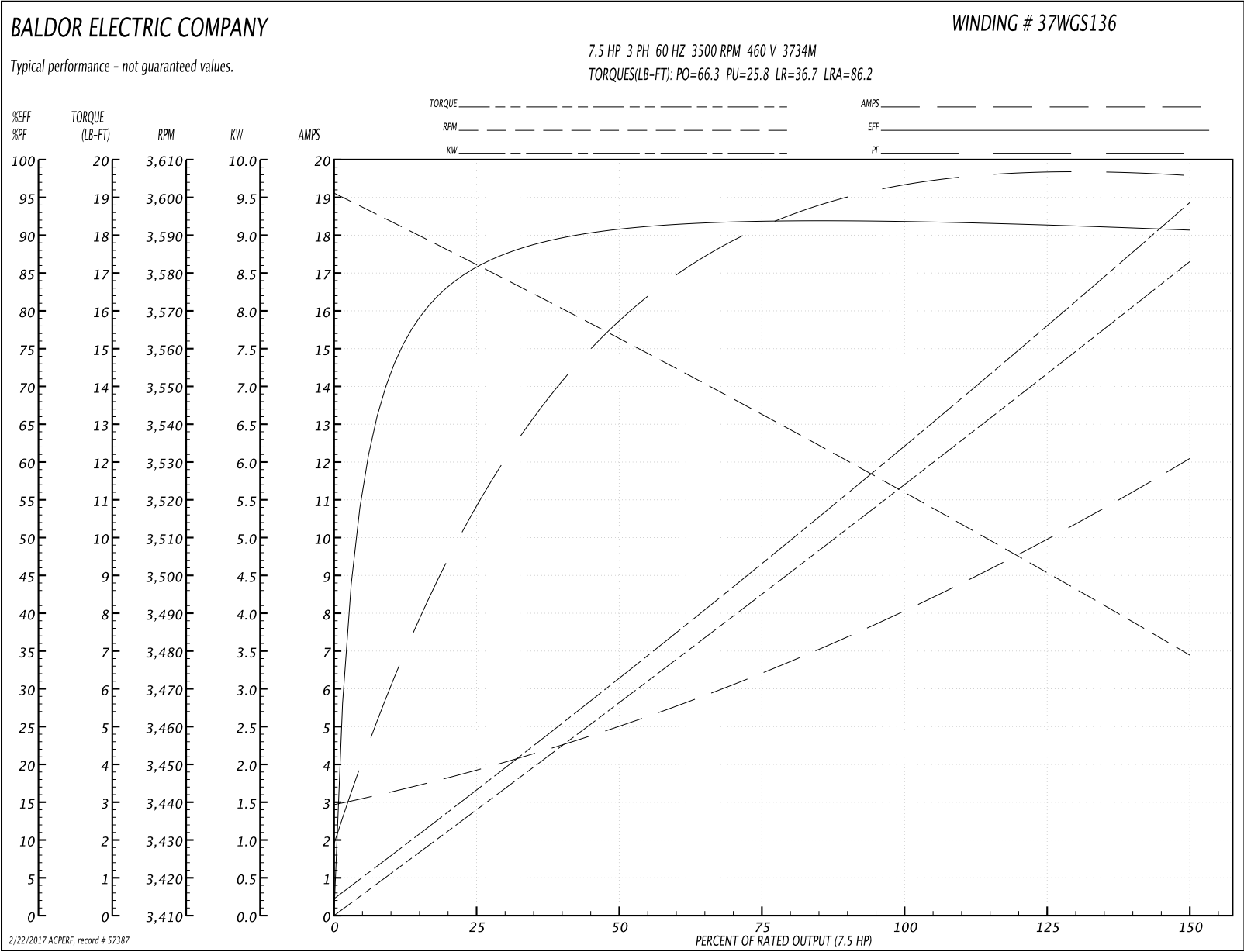
Winding: 37WGS136-R005	Type: 3734M	Enclosure: TEFC
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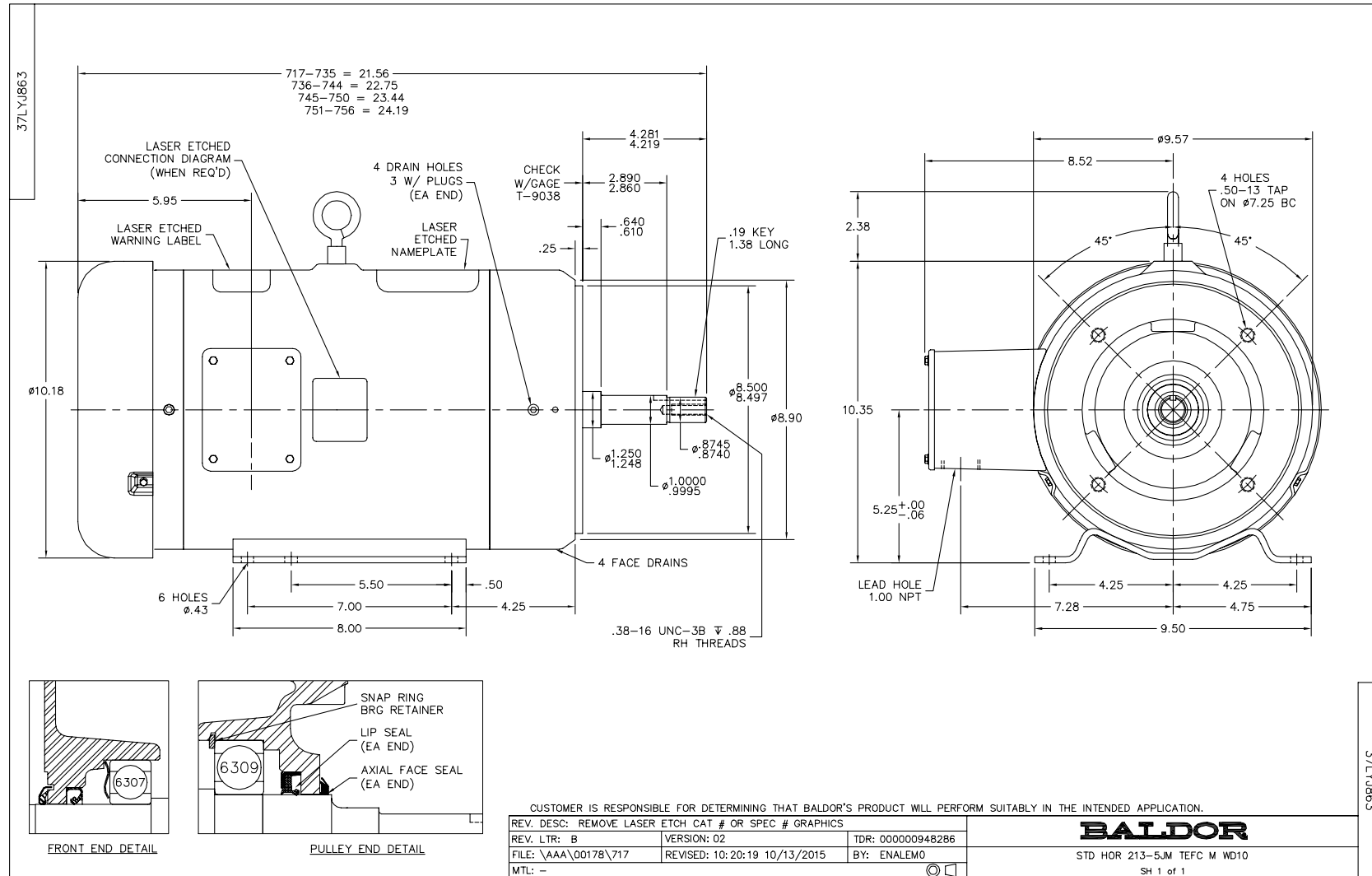
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	11.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	16.8/8.3			Breakdown Torque	66.3 LB-FT
R.P.M.	3500			Pull-up Torque	25.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	36.7 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	86.2 A
Service Factor (S.F.)	1.15			No-load Current	3.25 A
NEMA Nom. Eff.	91	Power Factor	93	Line-line Res. @ 25°C	0.913 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps				Temp. Rise @ S.F. Load	56°C
				Locked-rotor Power Factor	32.4
				Rotor inertia	0.311 LB-FT ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	62	85	89	94	95	100	95
Efficiency	84.7	90.9	92.1	92	91.4	90.7	91.6
Speed	3584	3564	3541	3520	3498	3481	3508
Line amperes	3.54	4.72	6.63	8.32	10.3	11.8	9.5

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