

BALDOR® • RELIANCE 

Product Information Packet

VSSEWDM3710T

7.5HP,1770RPM,3PH,60HZ,213TC,3739M,TEFC

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3739M	Elec. Spec:	37WGS250	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37N188	Layout:	37LYN188
Frame:	213TC	Mounting:	F1	Poles:	04	Created Date:	01-27-2015
Base:	N	Rotation:	R	Insulation:	H	Eff. Date:	02-16-2017
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953C01

CAT.NO.	VSSEWDM3710T									
SPEC.	37N188S250G3									
HP	7.5									
VOLTS	230/460									
AMP	19/9.5									
RPM	1770									
FRAME	213TC					HZ		60		
SER.F.	1.15			CODE		J	DES		A	
NEMA-NOM-EFF	91.7			PF		81				
RATING	40C AMB-CONT									
CC	010A					USABLE AT 208V				
DE	6307					ODE		6307		
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA292855	SA 37N188S250G3	1.000 EA
RA278963	RA 37N188S250G3	1.000 EA
37FN3002B01	EXFN, PLASTIC, 7.50 OD, 1.155 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 GRSR 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
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
37PE1911A11	PUEP, MACH - 307 BRG WD8 (STAINLESS)	1.000 EA
RM1070A48	O-RING, .070 C.S. X 8.656 ID, VITON	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
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 *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)	6.000 EA
HA3104S17	THRUBOLT 13.250LG SS	4.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	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 # 23247 - Typical performance - not guaranteed values

Winding: 37WGS250-R001	Type: 3739M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	22.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	19/9.5			Breakdown Torque	71.3 LB-FT
R.P.M.	1770			Pull-up Torque	38.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	46.5 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	73 A
Service Factor (S.F.)	1.15			No-load Current	4.3 A
NEMA Nom. Eff.	91.7	Power Factor	81	Line-line Res. @ 25°C	1.34 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
S.F. Amps				Temp. Rise @ S.F. Load	87°C
				Locked-rotor Power Factor	37
				Rotor inertia	0.959 LB-FT ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

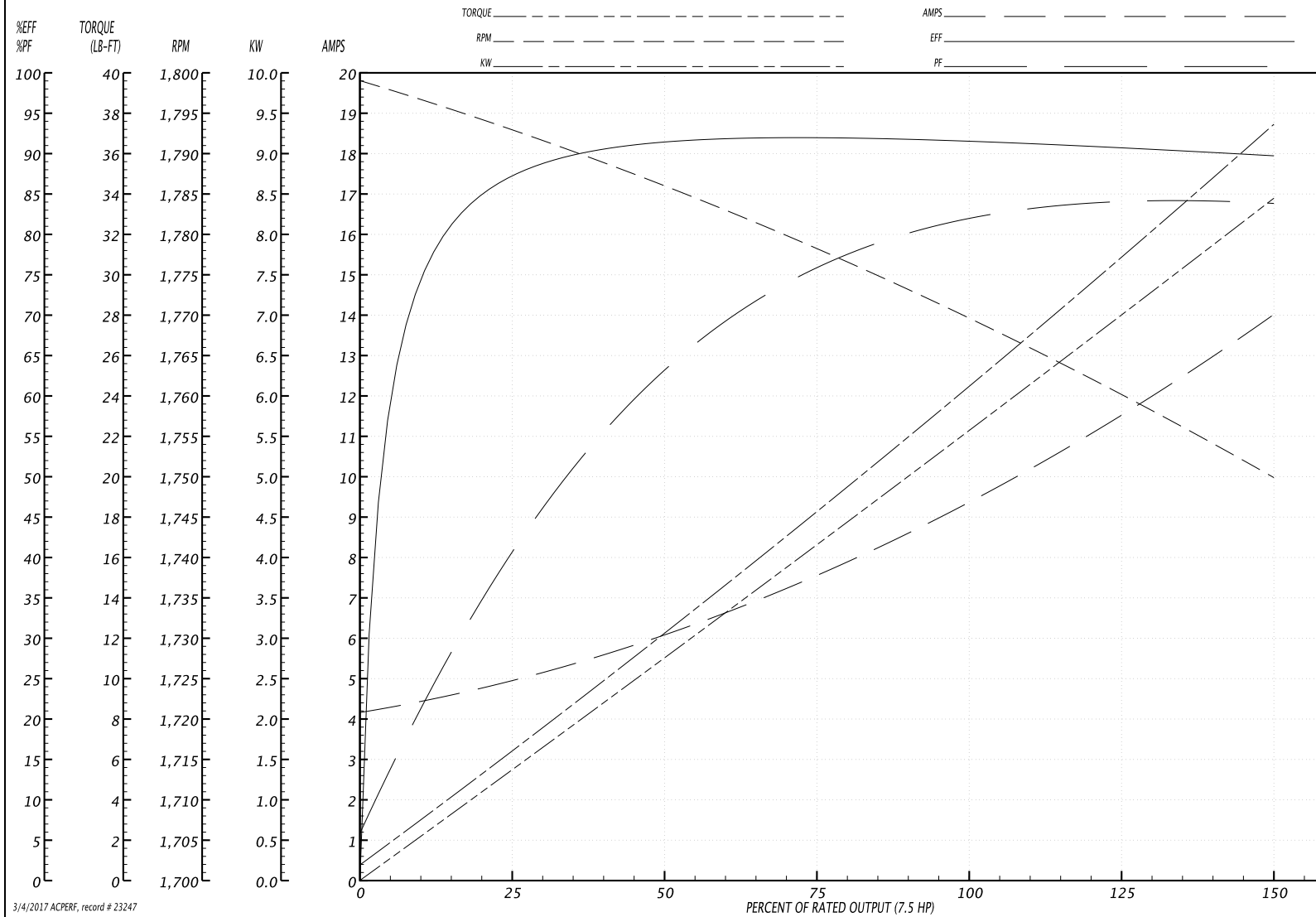
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	65	75	81	83	84	82
Efficiency	87.4	91.6	92.2	91.9	91	89.8	91.4
Speed	1793	1786	1778	1770	1760	1750	1764
Line amperes	4.8	5.95	7.62	9.47	11.6	13.9	10.7

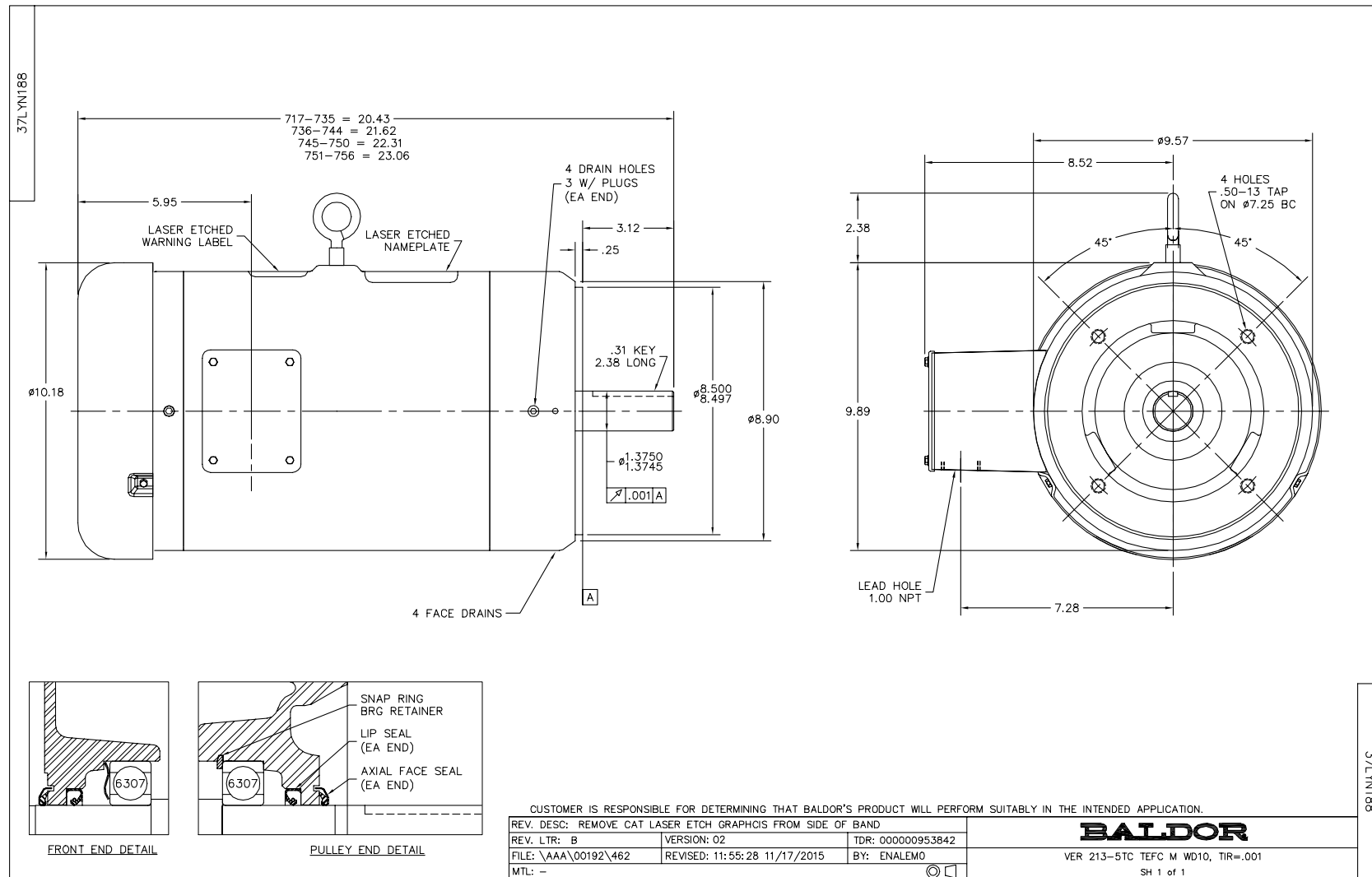
Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values

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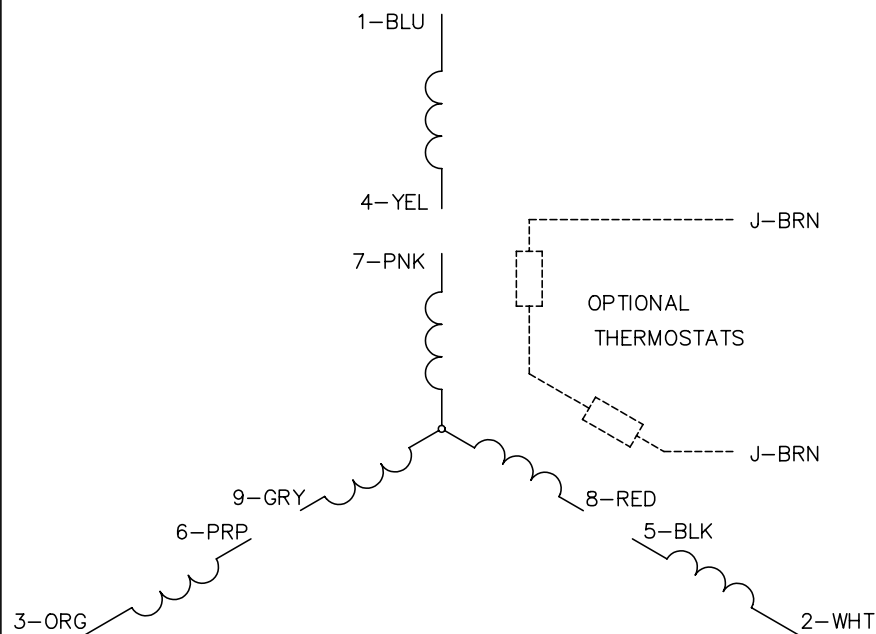
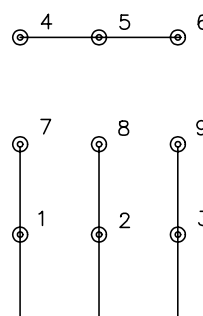
Typical performance - not guaranteed values.

WINDING # 37WGS250

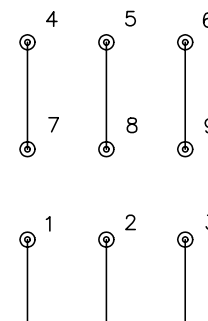
 7.5 HP 3 PH 60 HZ 1770 RPM 460 V 3739M
 TORQUES(LB-FT): PO=71.3 PU=38.7 LR=46.5 LRA=73




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