

BALDOR® • RELIANCE

Product Information Packet

AOM3710T

7.5HP,1755RPM,3PH,60HZ,213T,3728M,TEAO,F

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3728M	Elec. Spec:	37WGS141	CD Diagram:	CD0005
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	37F359	Layout:	37LYF359
Frame:	213T	Mounting:	F1	Poles:	04	Created Date:	01-29-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	07-27-2015
Leads:	9#14 36" LONG Y					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L							
CAT.NO.	AOM3710T						
SPEC.	37F359S141G1						
HP	7.5						
VOLTS	208-230/460						
AMP	23.5-21.8/10.9						
RPM	1755						
FRAME	213T	HZ	60	PH	3		
SER.F.	1.15	CODE	J	DES	A	CLASS	F
NEMA-NOM-EFF	87.5	PF	74				
RATING	40C AMB-CONT						
CC		USABLE AT 208V					
DE	6307	ODE	6206				
ENCL	TEAO	SN					
	1700 FPM AT 170CFM						

Parts List		
Part Number	Description	Quantity
SA153107	SA 37F359S141G1	1.000 EA
RA141852	RA 37F359S141G1	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3004	37 CB CASTING W/1.09 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
10XN2520A10	1/4-20X 5/8 HEX HD X	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008SP	37 GS FOR CB LID - LEXIDE	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A02	FR ENDPLATE, 37L&M-TENV MTR, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVVY WSHR (WB)	1.000 EA
37EP3100A09	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 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

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data

Record # 23416 - Typical performance - not guaranteed values

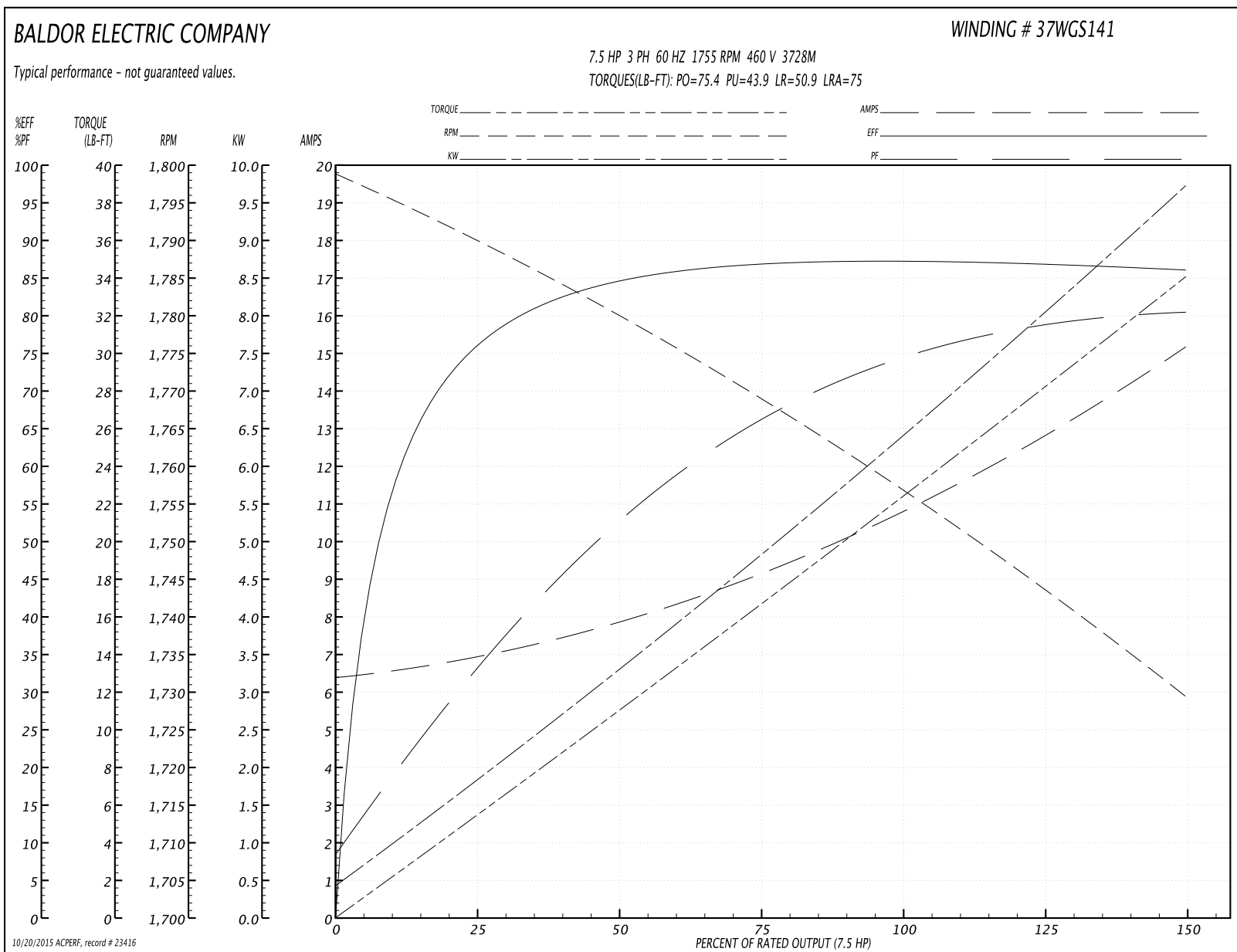
Winding: 37WGS141-R001	Type: 3728M	Enclosure: TEFC
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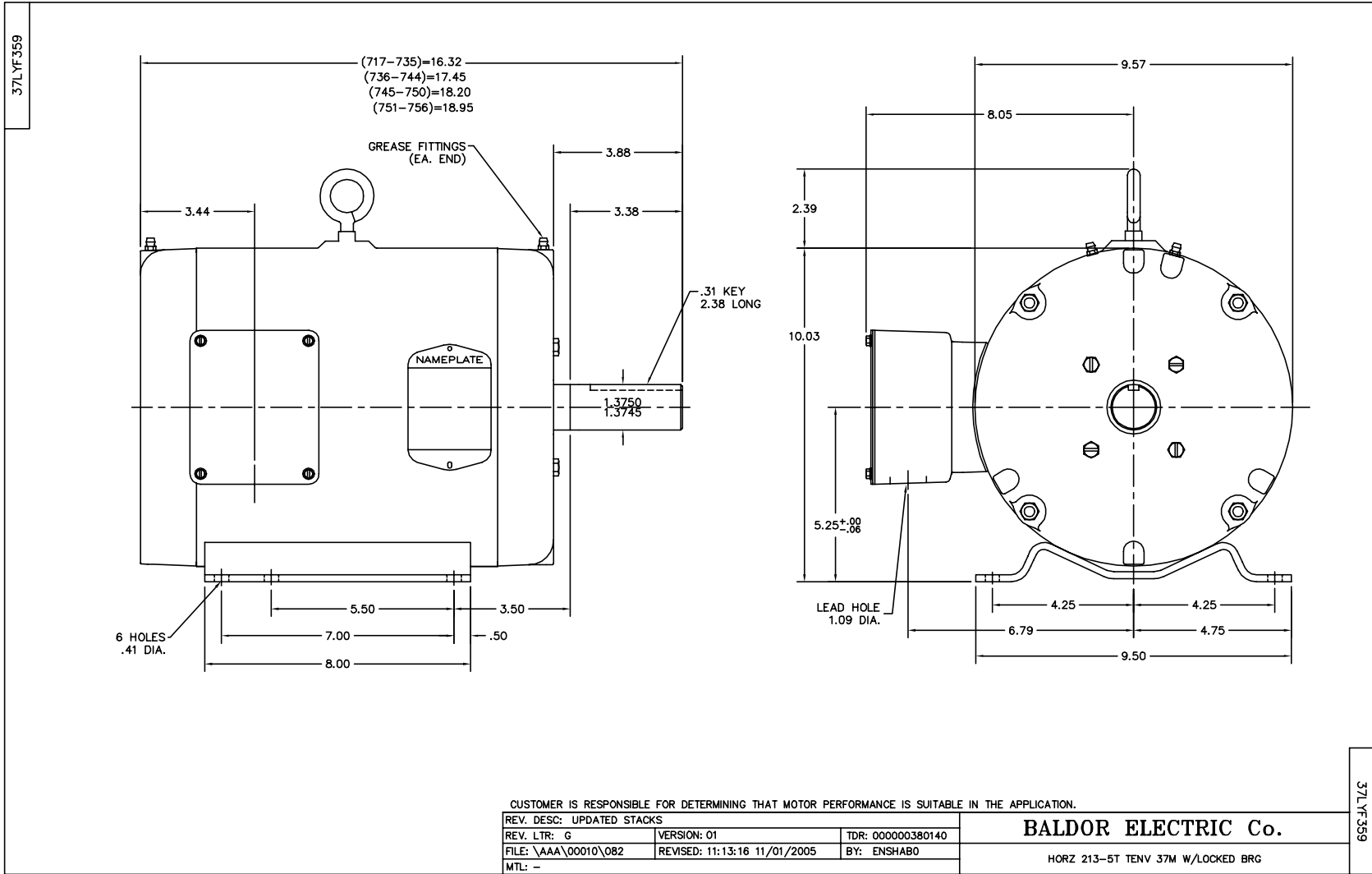
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	22.4 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	23.5-21.8/10.9			Breakdown Torque	75.4 LB-FT
R.P.M.	1755			Pull-up Torque	43.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	50.9 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	75 A
Service Factor (S.F.)	1.15			No-load Current	6.5 A
NEMA Nom. Eff.	87.5	Power Factor	74	Line-line Res. @ 25°C	1.39 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	75°C
S.F. Amps				Temp. Rise @ S.F. Load	92°C
				Rotor inertia	0.689 LB-FT ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

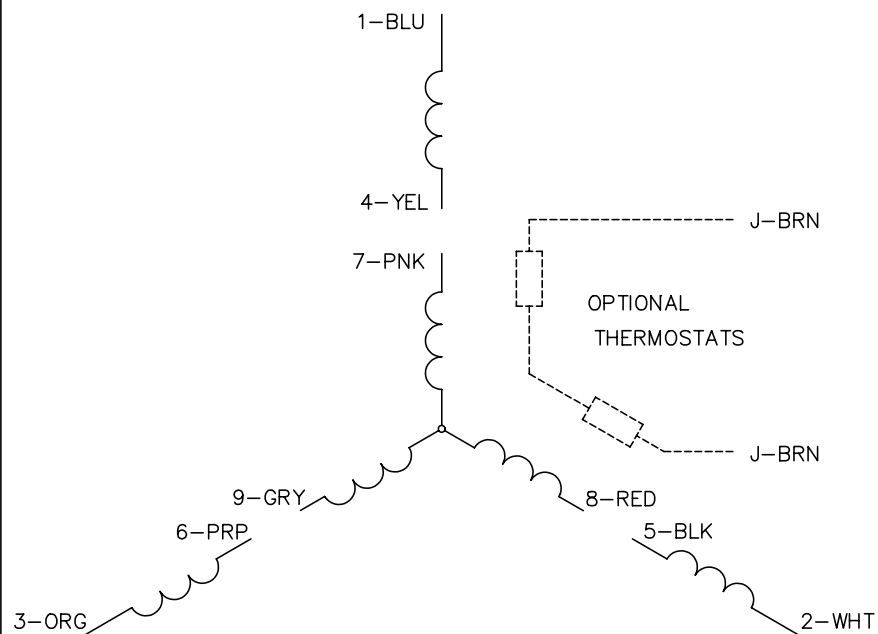
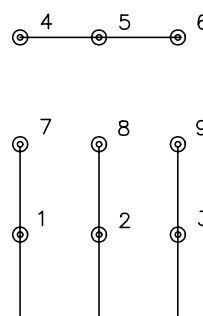
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	53	66	74	78	81	76
Efficiency	76	84.4	86.9	87.4	87	86	87.2
Speed	1790	1780	1769	1757	1744	1729	1749
Line amperes	6.8	7.75	9.16	10.9	12.9	15.1	12.1

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

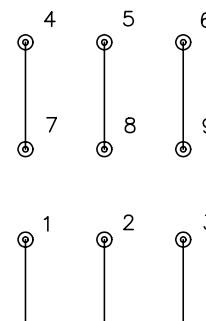




CD0005

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