

BALDOR® • RELIANCE

Product Information Packet

L3710T

7.5HP,1745RPM,1PH,60HZ,215T,3734LC,TEFC

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3734LC	Elec. Spec:	37WGT876	CD Diagram:	CD0086
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37M307	Layout:	37LYM307
Frame:	215T	Mounting:	F1	Poles:	04	Created Date:	01-21-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-10-2015
Leads:	2#10 A PH,2#14 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	L3710T											
SPEC.	37M307T876											
HP	7.5											
VOLTS	230											
AMP	29											
RPM	1745											
FRAME	215T				HZ		60			PH	1	
SER.F.	1.00			CODE	G	DES		L	CLASS	F		
NEMA-NOM-EFF	86.5			PF	97							
RATING	40C AMB-CONT											
CC				USABLE AT 208V							31	
DE	6307			ODE		6206						
ENCL	TEFC		SN									

AC Induction Motor Performance Data

Record # 37142 - Typical performance - not guaranteed values

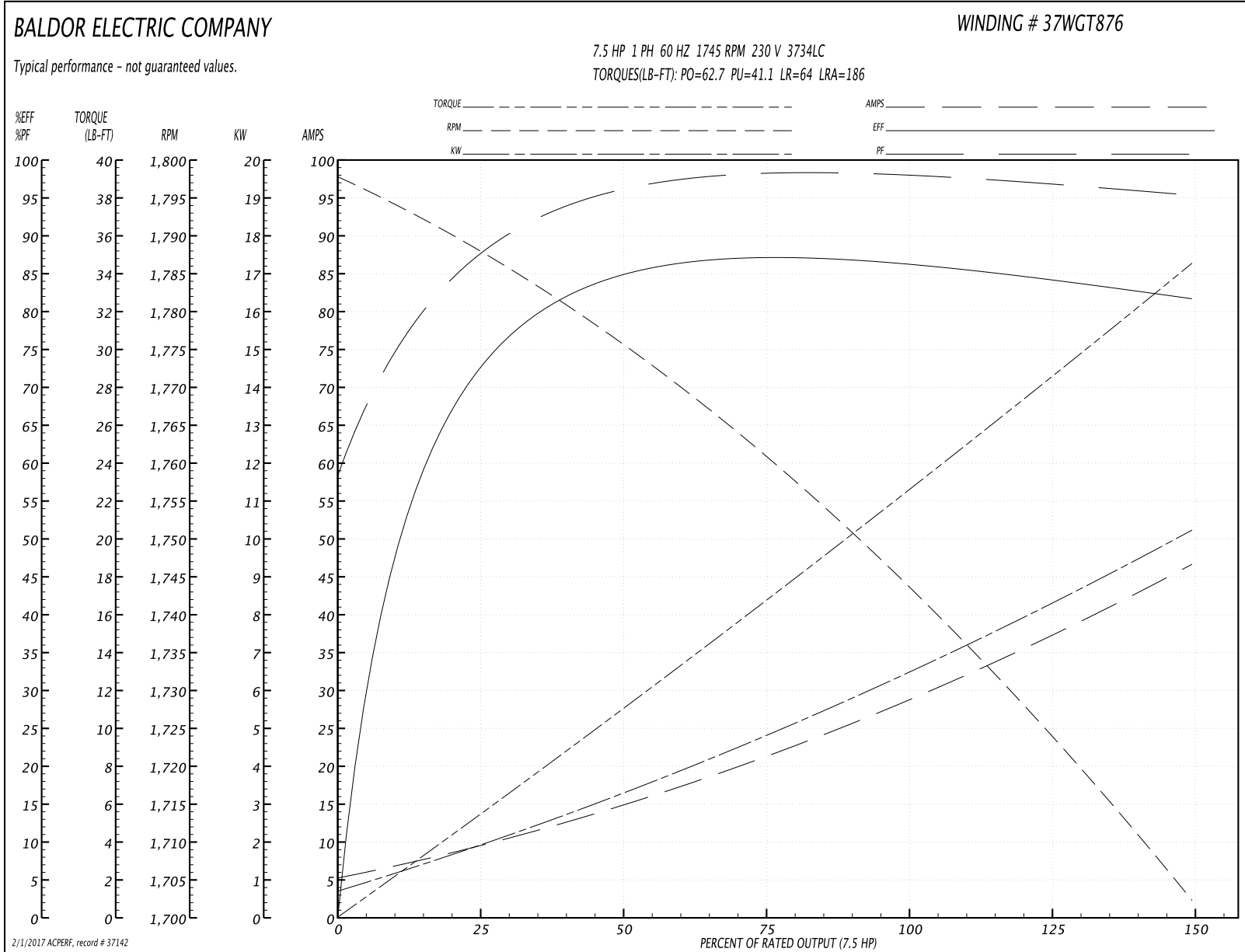
Winding: 37WGT876-R001	Type: 3734LC	Enclosure: TEFC
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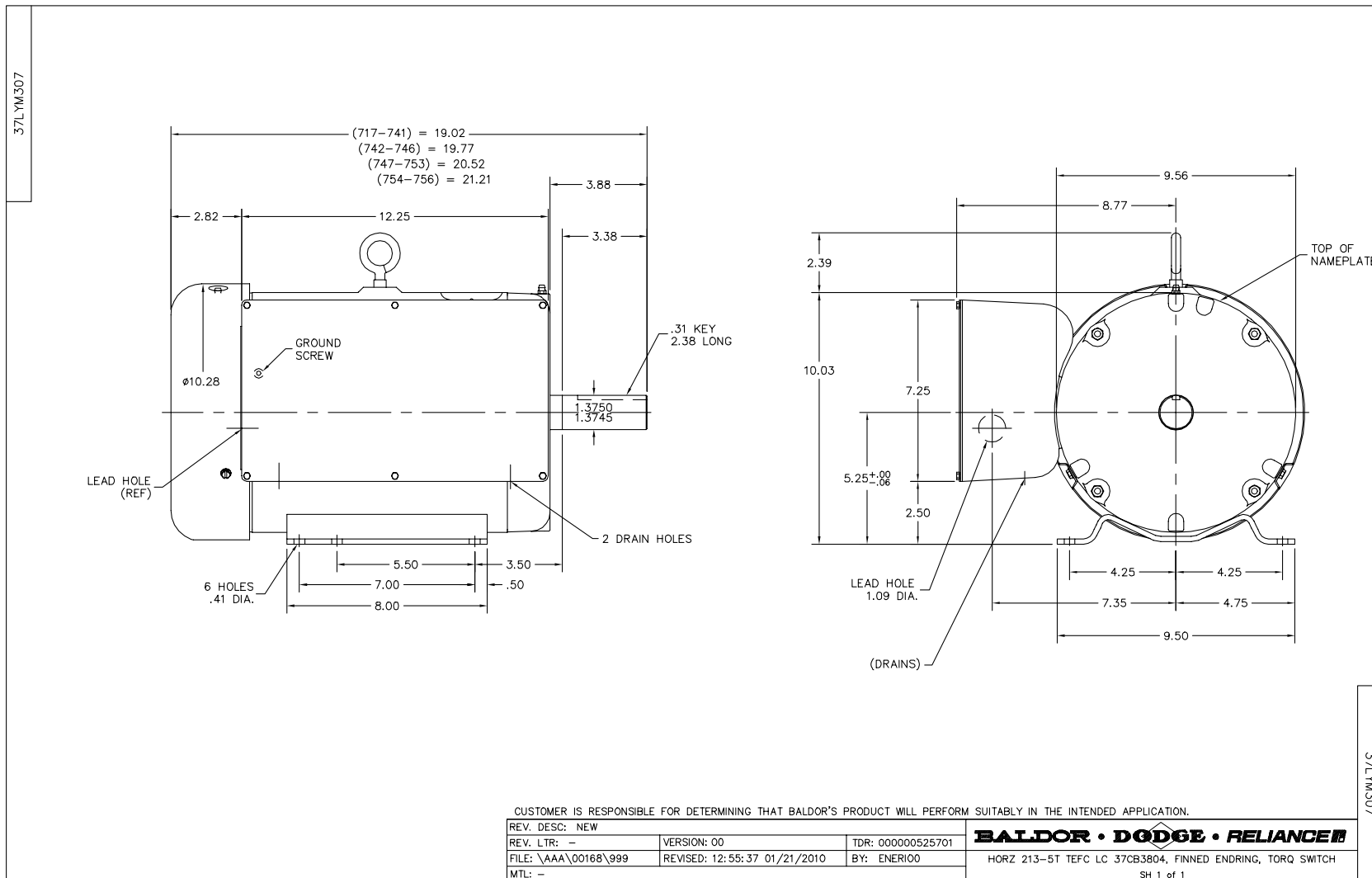
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5			Full Load Torque	22.4 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	29			Breakdown Torque	62.7 LB-FT
R.P.M.	1745			Pull-up Torque	41.1 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	64 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	186 A
Service Factor (S.F.)	1			No-load Current	5.37 A
NEMA Nom. Eff.	86.5	Power Factor	97	Line-line Res. @ 25°C	0.263 Ω A Ph 0.705 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	90°C

Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	91	97	98	97	97	96
Efficiency	70.9	83.8	86.8	86.8	85	81.3
Speed	1787	1775	1761	1745	1726	1701
Line amperes	9.1	14.9	21.4	28.6	36.8	46.8

Performance Graph at 230V, 60Hz, 7.5HP Typical performance - Not guaranteed values





CD0086

