

BALDOR® • RELIANCE

Product Information Packet

EHM3311T-8

7.5HP,1770RPM,3PH,60HZ,213T,3734M,OPSB,F

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3734M	Elec. Spec:	37WGZ613	CD Diagram:	CD0006
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	37J637	Layout:	37LYJ637
Frame:	213T	Mounting:	F1	Poles:	04	Created Date:	03-14-2016
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-19-2017
Leads:	3#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2094E06B03

CAT.NO.	EHM3311T-8													
SPEC.	37J637Z613G1													
HP	7.5													
VOLTS	200													
AMPS	23.3													
RPM	1770													
FRAME	213T				HZ				60		PH		3	
SER.F.	1.15		CODE		J		DES		A		CL		F	
NEMA-NOM-EFF	91				PF		77							
RATING	40C AMB-CONT													
CC	010A				USABLE AT 208V									
DE	6307				ODE		6206							
AUTO	N		MANUAL		N		NONE		Y					
ENCL	OPSB				SN									
BLANK														

Parts List		
Part Number	Description	Quantity
SA317329	SA 37J637Z613G1	1.000 EA
RA304941	RA 37J637Z613G1	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	4.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
37FE3200A15	FR ENDPLATE MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37PE3201A81	PU ENDPLATE ASSEMBLY FOR ROUTING	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
91XN0540J08	SCREW, 5-40 X 1/2", FHC, AS	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
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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
37AD2001A01	BAFFLE PLATE, STAMPED	2.000 EA
HA3104A39	THRUBOLT-5/16-18 X 12.250	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0006	CONNECTION LABEL	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 57432 - Typical performance - not guaranteed values

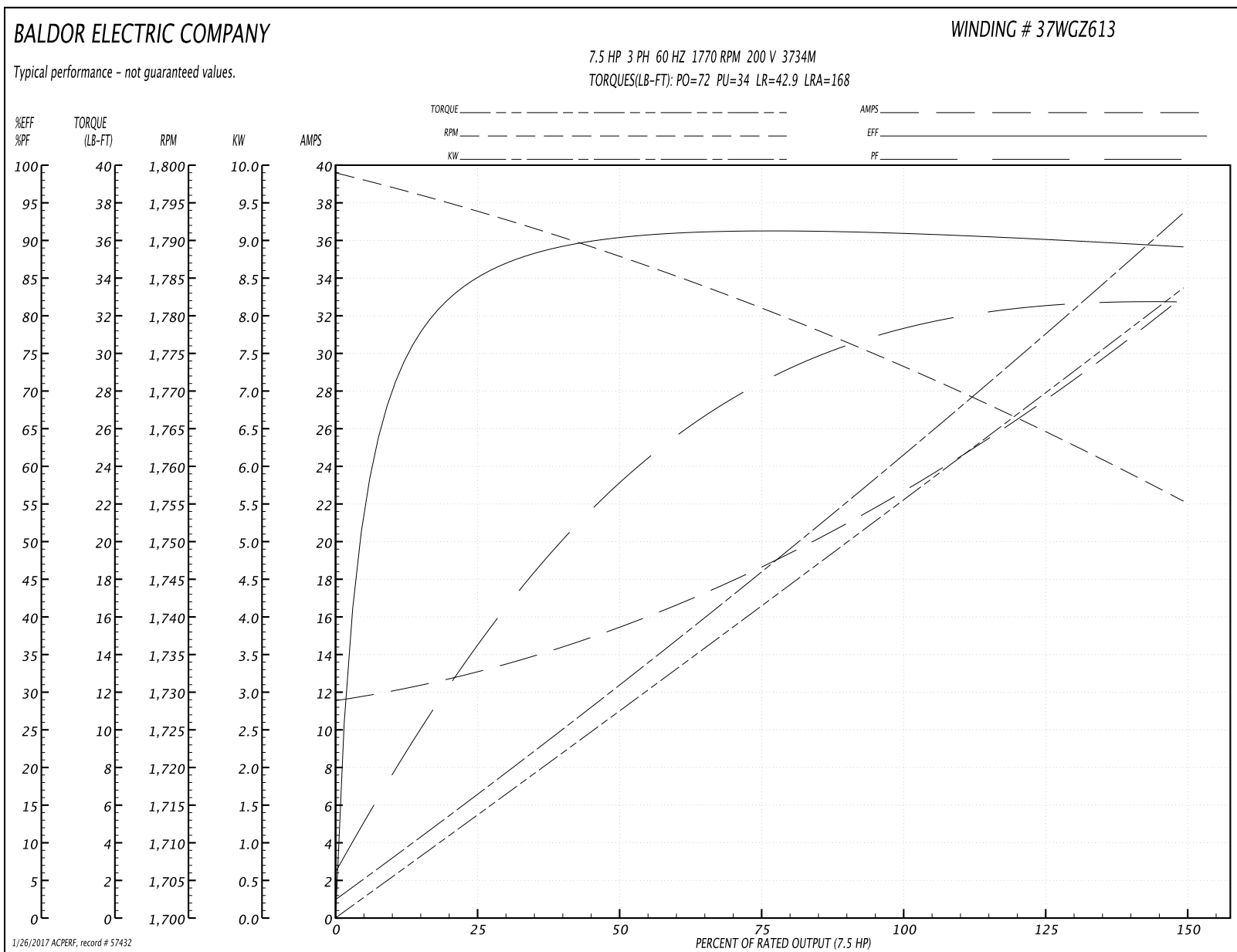
Winding: 37WGZ613-R001	Type: 3734M	Enclosure: OPSB
-------------------------------	--------------------	------------------------

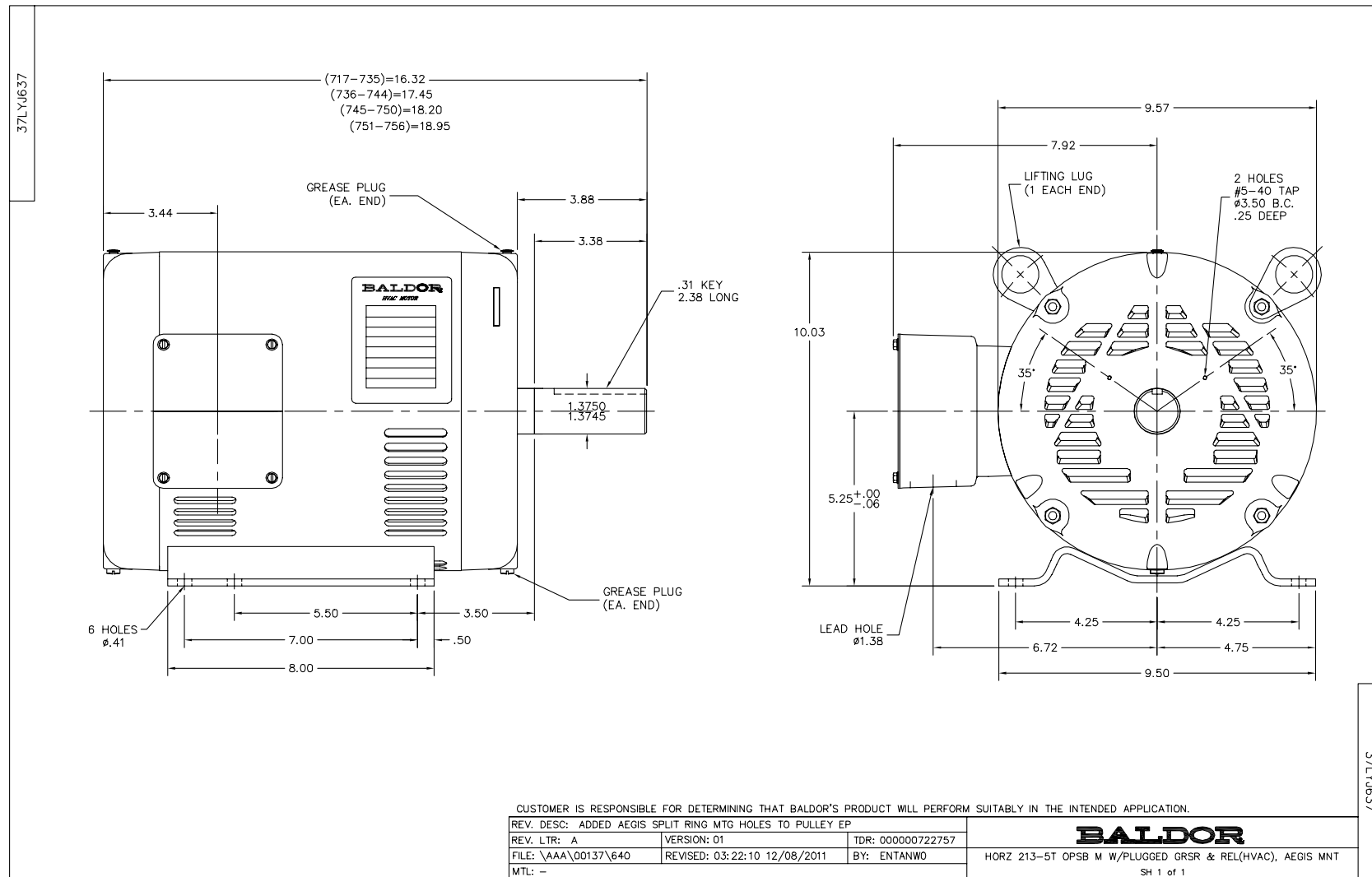
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5			Full Load Torque	22.2 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	23.3			Breakdown Torque	72 LB-FT
R.P.M.	1770			Pull-up Torque	34 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	42.9 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	168 A
Service Factor (S.F.)	1.15			No-load Current	11.8 A
NEMA Nom. Eff.	91	Power Factor	77	Line-line Res. @ 25°C	0.29 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	35°C
S.F. Amps				Temp. Rise @ S.F. Load	43°C
				Locked-rotor Power Factor	39.9
				Rotor inertia	0.836 LB-FT ²

Load Characteristics 200 V, 60 Hz, 7.5 HP

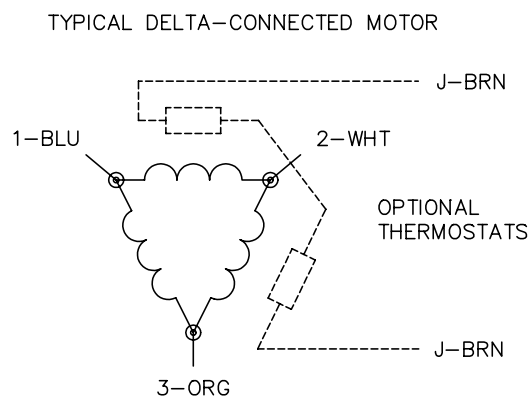
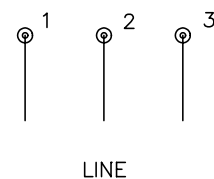
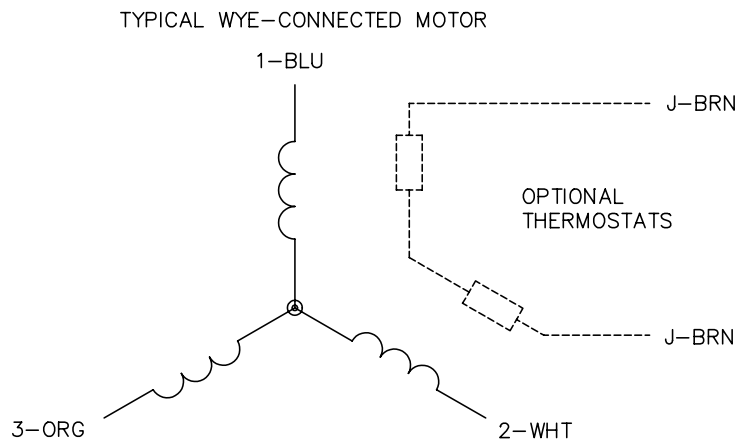
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	59	71	77	81	82	79
Efficiency	84.6	90.2	91.1	91.1	90.5	89	90.7
Speed	1794	1788	1780	1774	1765	1755	1769
Line amperes	12.8	15.2	18.8	22.9	27.6	32.9	25.7

Performance Graph at 200V, 60Hz, 7.5HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006