

BALDOR® • RELIANCE

Product Information Packet

EHM3211T-8

3HP,1765RPM,3PH,60HZ,182T,3630M,OPSB,F1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3630M	Elec. Spec:	36WGS760	CD Diagram:	CD0006
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	36L730	Layout:	36LYL730
Frame:	182T	Mounting:	F1	Poles:	04	Created Date:	06-29-2011
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-04-2013
Leads:	3#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2094E06B03										
CAT.NO.	EHM3211T-8									
SPEC.	36L730S760G1									
HP	3									
VOLTS	200									
AMPS	9.7									
RPM	1765									
FRAME	182T	HZ			60	PH		3		
SER.F.	1.15	CODE			K	DES		B	CL	F
NEMA-NOM-EFF	89.5	PF			74					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6206	ODE			6205					
AUTO	N	MANUAL			N	NONE		Y		
ENCL	OPSB	SN								
BLANK										

Parts List		
Part Number	Description	Quantity
SA226298	SA 36L730S760G1	1.000 EA
RA213396	RA 36L730S760G1	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3200A25	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
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3201A42	PU ENDPLATE, MACH	1.000 EA
91XN0540J08	SCREW, 5-40 X 1/2", FHC, AS	2.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
36AD2004A01	BAFFLE PLATE,MOD 36-SLTD BAND MTRS DELTA	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0006	CONNECTION LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 34571 - Typical performance - not guaranteed values

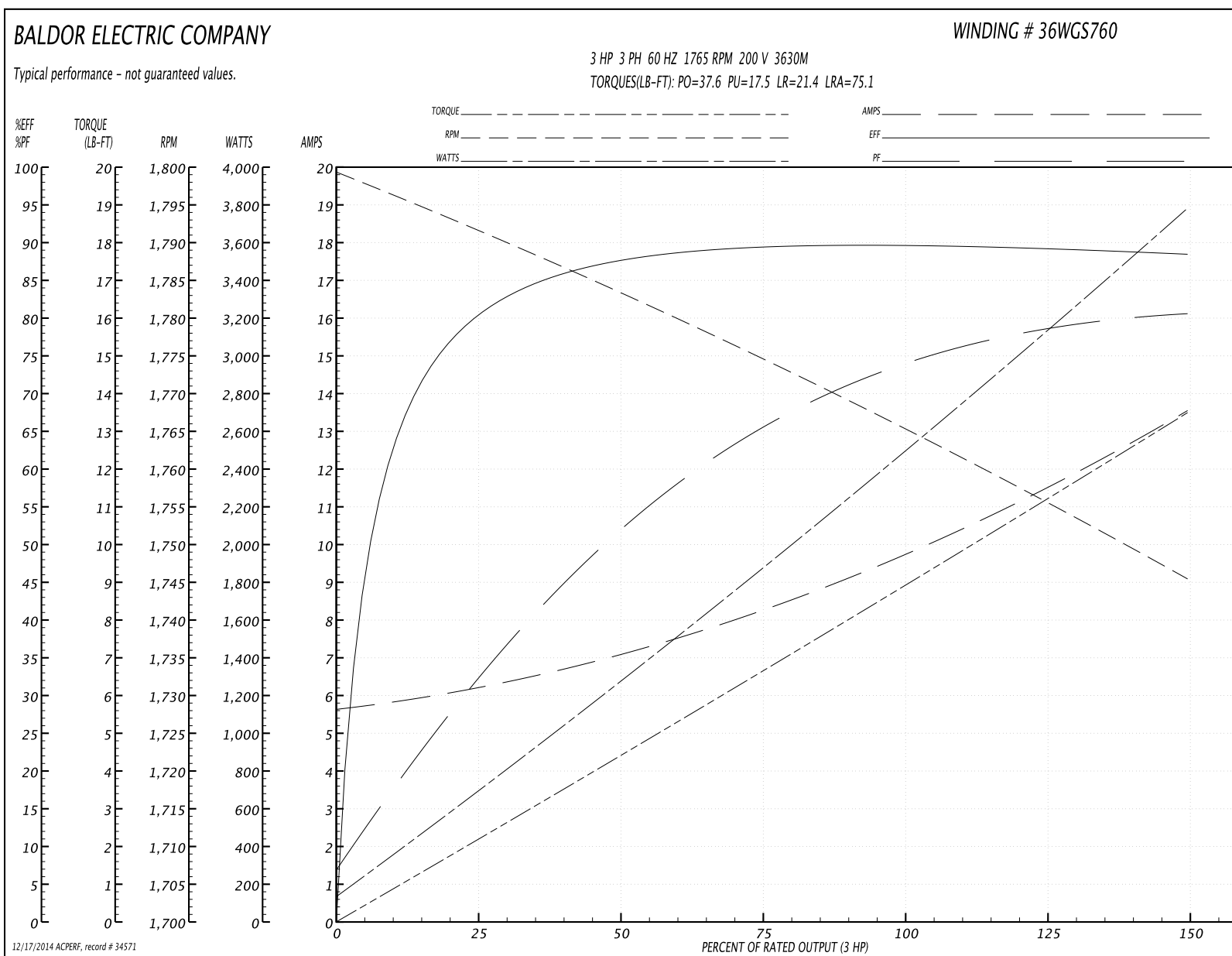
Winding: 36WGS760-R001	Type: 3630M	Enclosure: OPSB
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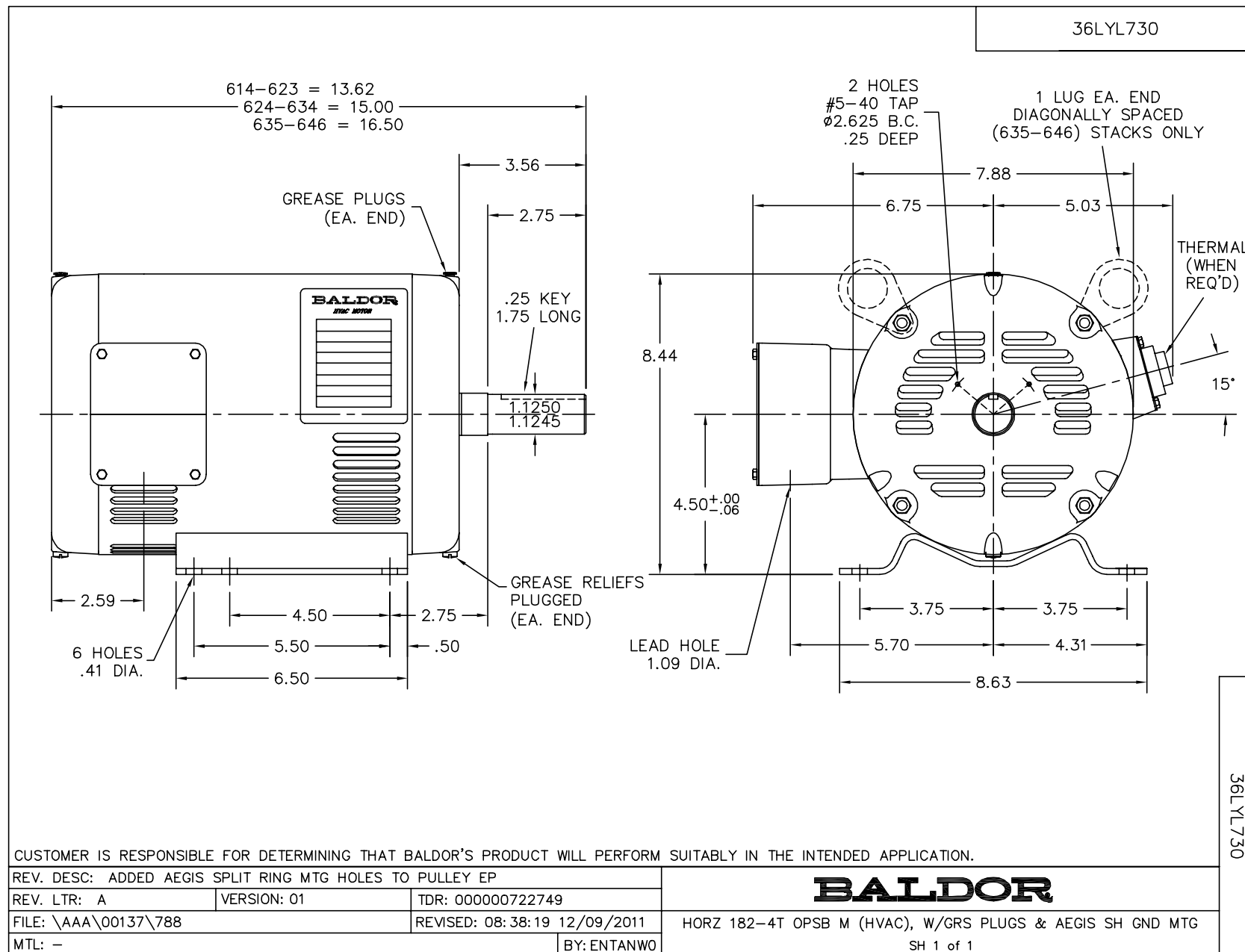
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	3			Full Load Torque	8.85 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	9.7			Breakdown Torque	37.6 LB-FT
R.P.M.	1765			Pull-up Torque	17.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	21.4 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	75.1 A
Service Factor (S.F.)	1.15			No-load Current	5.72 A
NEMA Nom. Eff.	89.5	Power Factor	74	Line-line Res. @ 25°C	0.731 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	24°C
S.F. Amps				Temp. Rise @ S.F. Load	29°C
				Rotor inertia	0.279 LF ²

Load Characteristics 200 V, 60 Hz, 3 HP

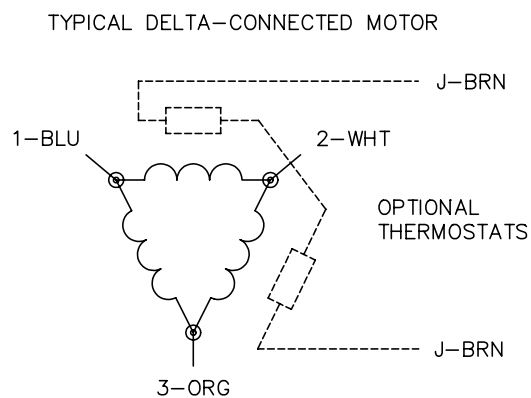
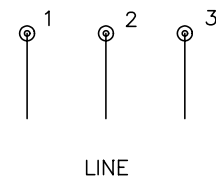
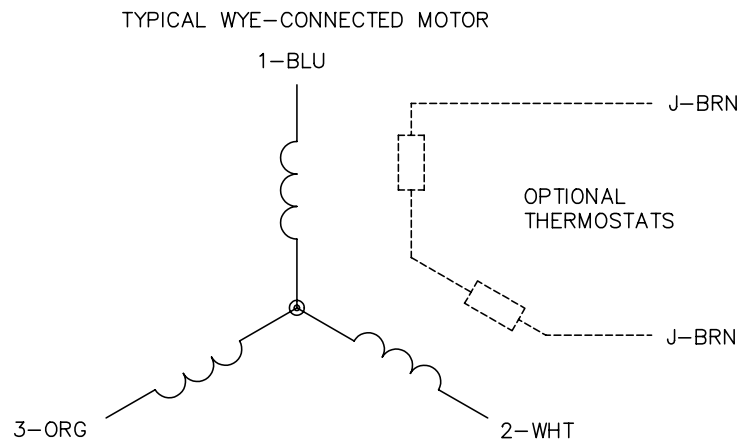
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	53	66	73	78	81	76
Efficiency	79.6	87.4	89.4	89.7	89.5	88.3	89.6
Speed	1791	1783	1775	1766	1756	1745	1760
Line amperes	6.1	6.99	8.24	9.84	11.5	13.5	10.8

Performance Graph at 200V, 60Hz, 3.0HP 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