

BALDOR® • RELIANCE

Product Information Packet

EHM3218T-8

5HP,1750RPM,3PH,60HZ,184T,3640M,OPSB,F1

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3640M	Elec. Spec:	36WGS761	CD Diagram:	CD0006
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	36L730	Layout:	36LYL730
Frame:	184T	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.	EHM3218T-8								
SPEC.	36L730S761G1								
HP	5								
VOLTS	200								
AMPS	15.3								
RPM	1750								
FRAME	184T	HZ	60	PH	3				
SER.F.	1.15	CODE	J	DES	B	CL	F		
NEMA-NOM-EFF	89.5	PF	80						
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
SA226366	SA 36L730S761G1	1.000 EA
RA213464	RA 36L730S761G1	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
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
36AD2004A01	BAFFLE PLATE,MOD 36-SLTD BAND MTRS DELTA	2.000 EA
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 # 34572 - Typical performance - not guaranteed values

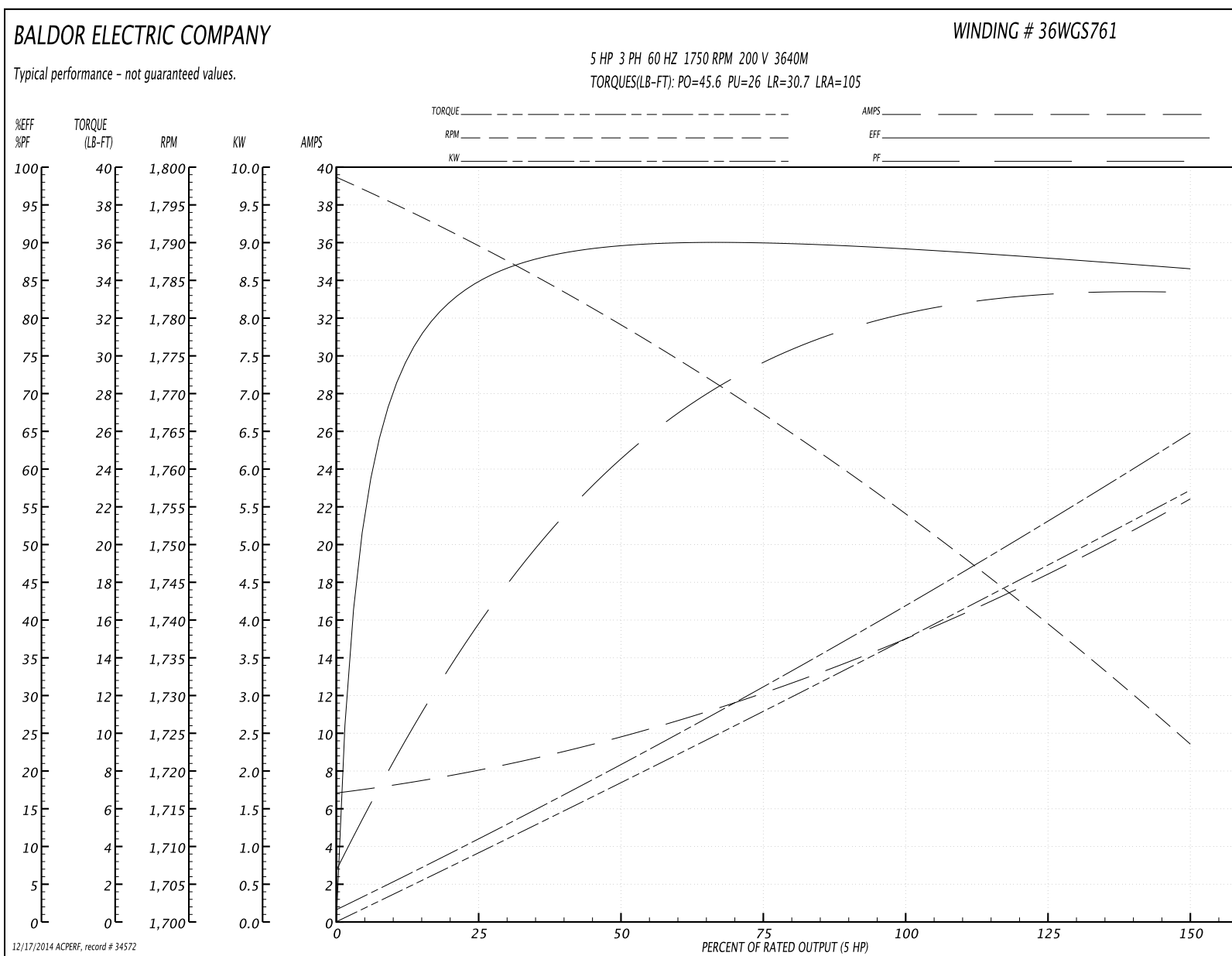
Winding: 36WGS761-R001	Type: 3640M	Enclosure: OPSB
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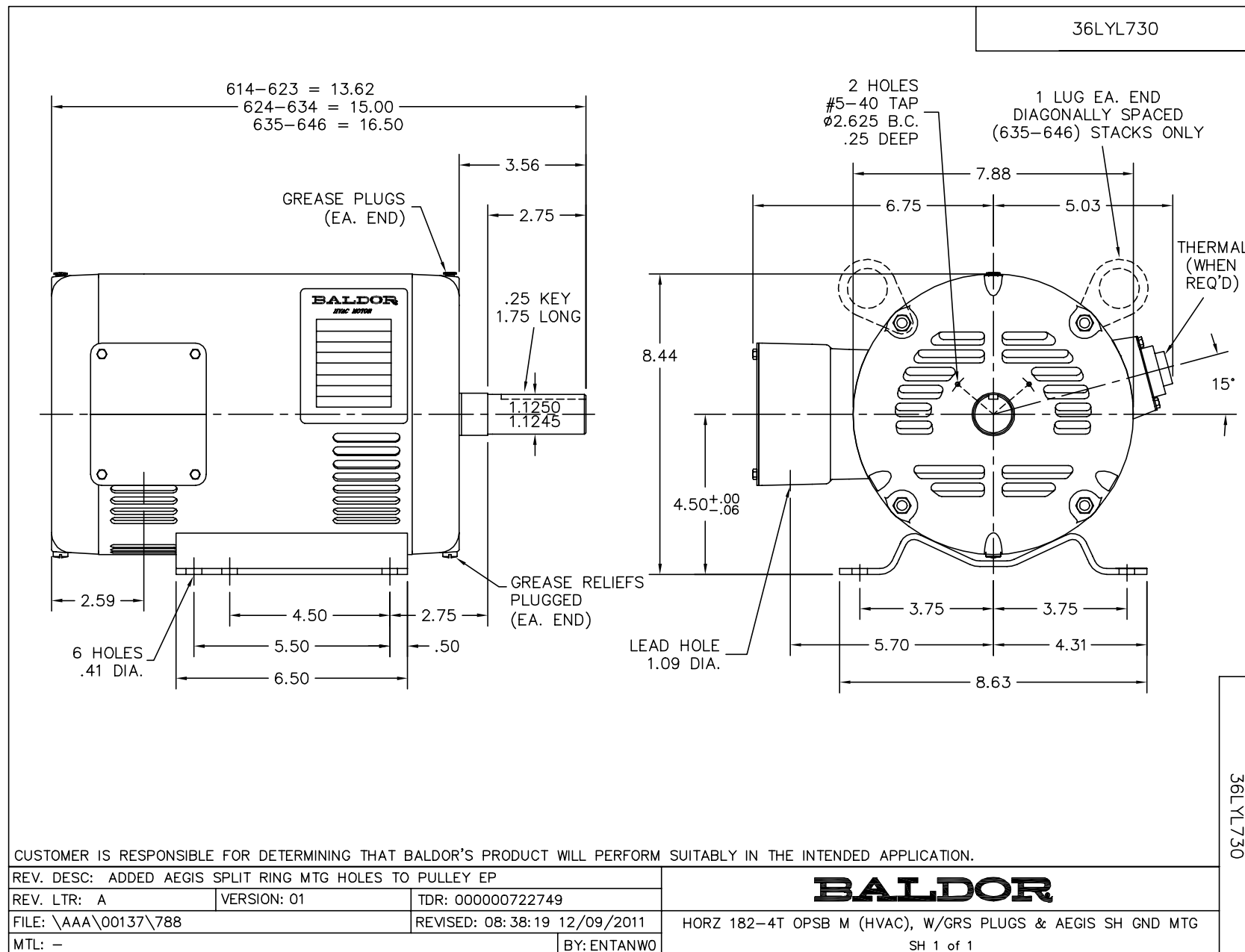
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	15.3			Breakdown Torque	45.6 LB-FT
R.P.M.	1750			Pull-up Torque	26 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	30.7 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	105 A
Service Factor (S.F.)	1.15			No-load Current	7.02 A
NEMA Nom. Eff.	89.5	Power Factor	80	Line-line Res. @ 25°C	0.495 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	54°C
				Rotor inertia	0.372 LF ²

Load Characteristics 200 V, 60 Hz, 5 HP

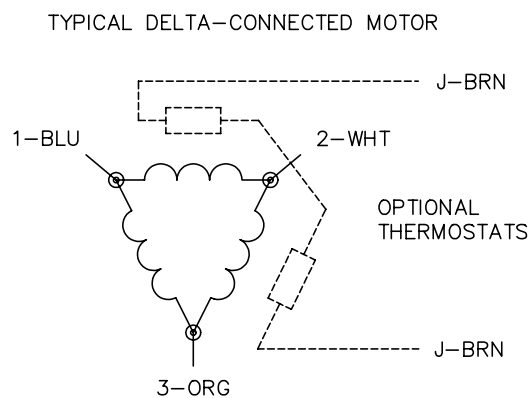
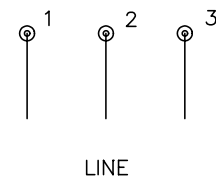
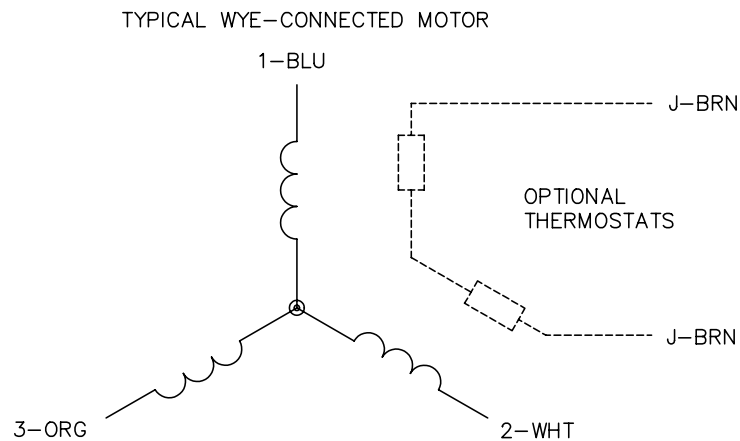
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	63	74	79	83	84	81
Efficiency	84.1	89.1	89.9	89.5	88.4	86.3	88.8
Speed	1789	1779	1767	1754	1740	1723	1746
Line amperes	7.84	9.68	12.2	15.2	18.6	22.3	17.2

Performance Graph at 200V, 60Hz, 5.0HP 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

90000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

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

CD0006