

BALDOR® • RELIANCE

Product Information Packet

VHEM3312T

10HP,3490RPM,3PH,60HZ,213HP,0730M,ODP,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0730M	Elec. Spec:	07WGY361	CD Diagram:	CD0005
Enclosure:	ODP	Mfg Plant:		Mech. Spec:	07K218	Layout:	07LYK218
Frame:	213HP	Mounting:	F1	Poles:	02	Created Date:	07-07-2015
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	05-27-2016
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1267L

CAT.NO.	VHEM3312T												
SPEC.	07K218Y361G1												
HP	10												
VOLTS	230/460												
AMP	22.4/11.2												
RPM	3490												
FRAME	213HP				HZ		60			PH		3	
SER.F.	1.15			CODE		G	DES		B	CL		F	
NEMA-NOM-EFF	89.5			PF		87							
RATING	40C AMB-CONT												
CC	010A			USABLE AT 208V									24.2
DE	6309			ODE		6206							
ENCL	ODP		SN										

Parts List		
Part Number	Description	Quantity
SA303721	SA 07K218Y361G1	1.000 EA
RA290863	RA 07K218Y361G1	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
09CB3002A19	CB MACH - 1.50 N.P.T. LEAD HOLE	1.000 EA
09GS1000	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
07EP1200A01	FRONT END PLATE,MACH	1.000 EA
07AD2000	AIR DEFLECTOR, 307 OPEN P-BASE	1.000 EA
51XT0832A08	8-32 X 1/2 TY23 HXWS SLDSR	3.000 EA
HW1001A08	WASHER, #8 SPLT LK, ZN	3.000 EA
10XN3816A60	3/8-16 X 3-3/4 HEX HD CAPSCREW,GRADE 2,Z	2.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	2.000 EA
09CB3501	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
07EP1505A02	SPL PU E.P. MACH, W/6309 BRG.	1.000 EA
HW4600B53	SEAL 1.688 X 2.275 X 0.312 SINGLE LIP DB	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN2520A56	1/4-20X 3 1/2 HEX HD CAP X	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 EA
07FH1500A01	DRIP COVER 307 OPEN P-BASE MTRS	1.000 EA
HW3201A10	.38-16 EYEBOLT W/4.50 SHANK	2.000 EA
HW1000A38	WASHER, 3/8" FLAT, SAE Z/P	2.000 EA
10XN3816A44	3/8-16 X 2 3/4 HEX HD CAP SCREW	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
09GS1013	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW2501E17	.250 SQUARE X 1.875 LONG LOW CARBON STEE	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
LB1386	WARNING LABEL FOR MOTORS WITH EYENUTS	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025G29	WILKOFASST, 789.229, DARK CHARCOAL GRAY	0.036 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1267L	SS SUPER-E LASER BLANK	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
10XL3808A28	3/8 X 1 3/4" LAG SCREW	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 57261 - Typical performance - not guaranteed values

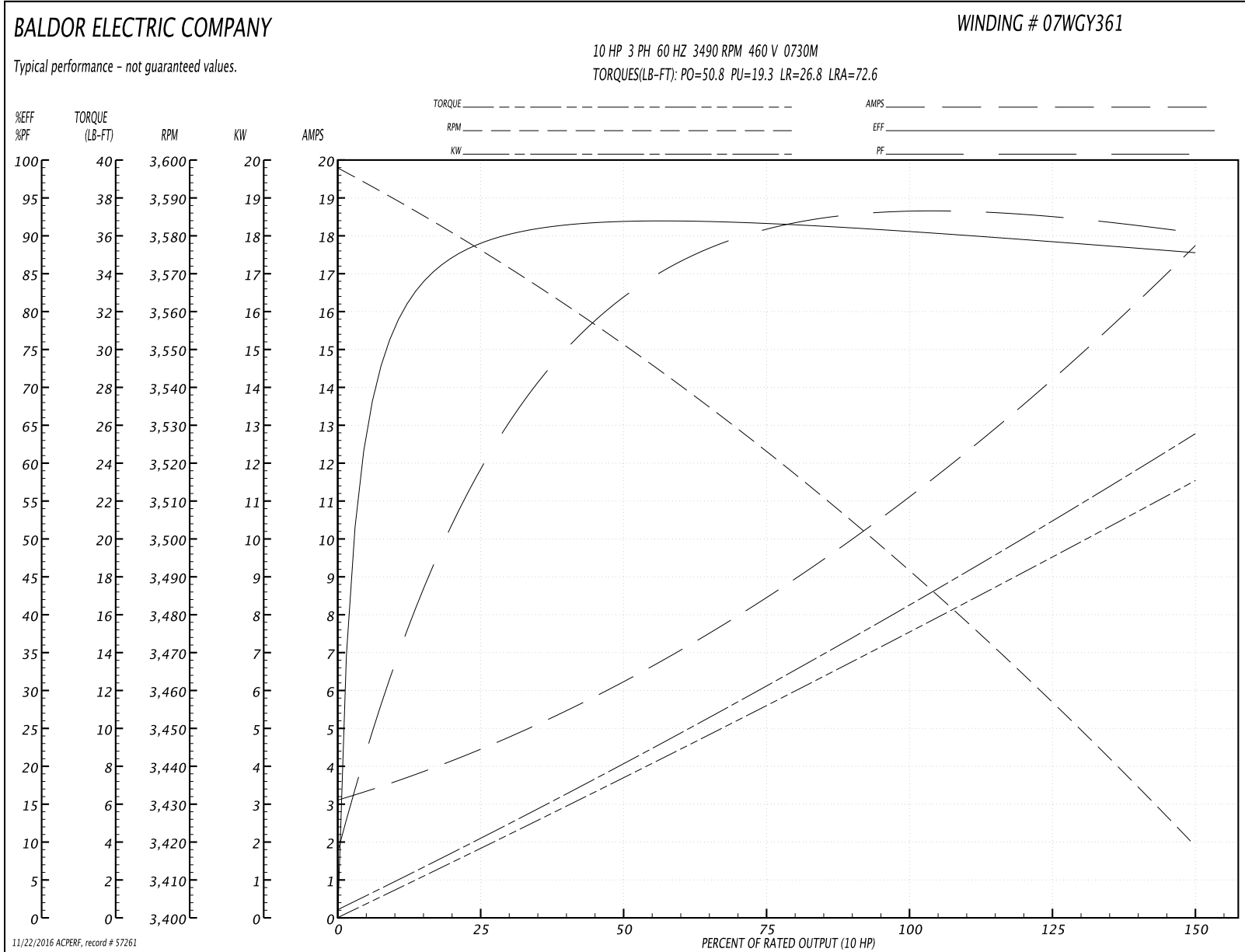
Winding: 07WGY361-R004	Type: 0730M	Enclosure: ODP
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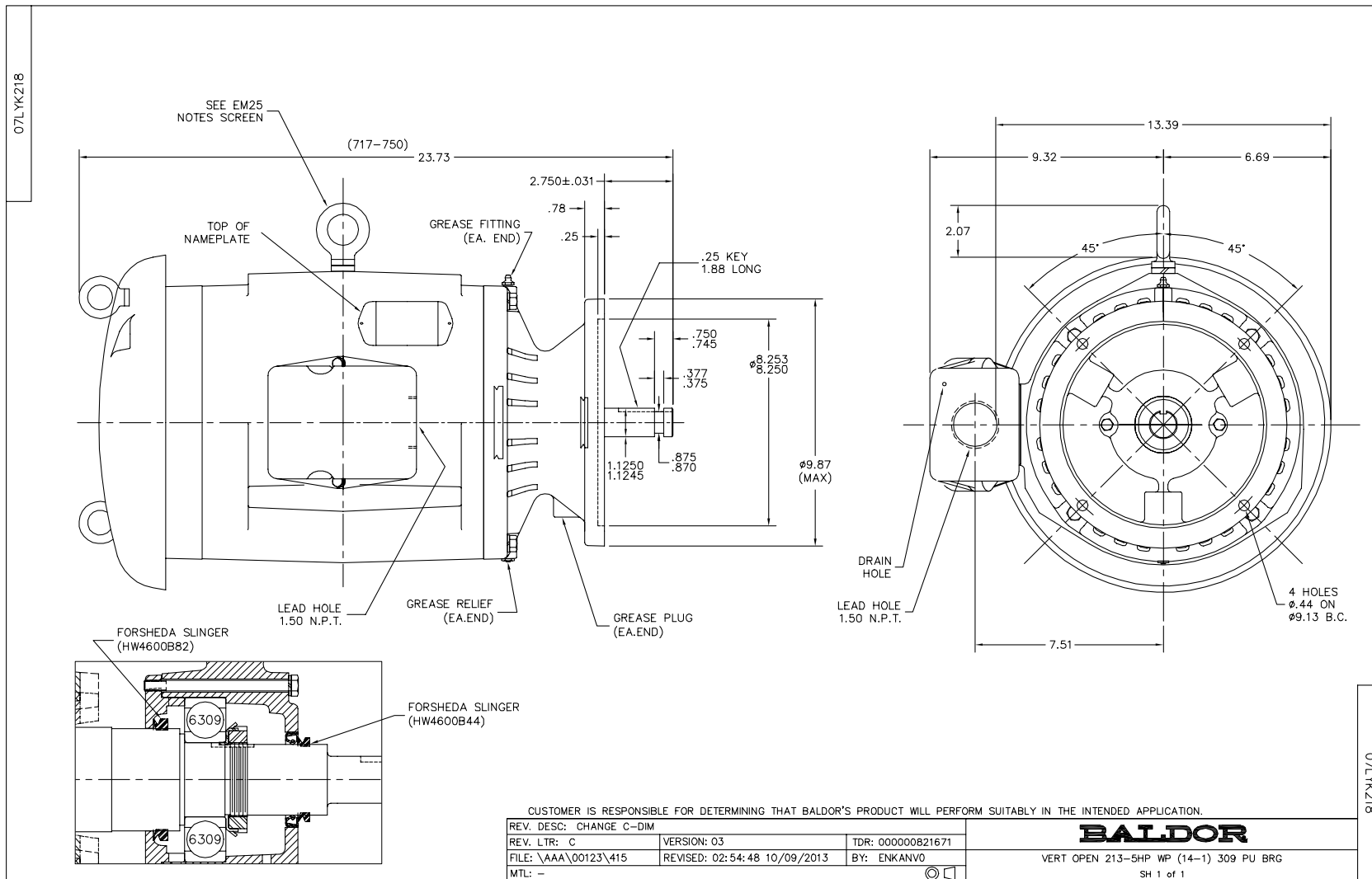
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	22.4/11.2			Breakdown Torque	50.8 LB-FT
R.P.M.	3490			Pull-up Torque	19.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	26.8 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	72.6 A
Service Factor (S.F.)	1.15			No-load Current	3.34 A
NEMA Nom. Eff.	89.5	Power Factor	87	Line-line Res. @ 25°C	0.995 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	60°C
S.F. Amps				Temp. Rise @ S.F. Load	75°C
				Locked-rotor Power Factor	32.6
				Rotor inertia	0.273 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

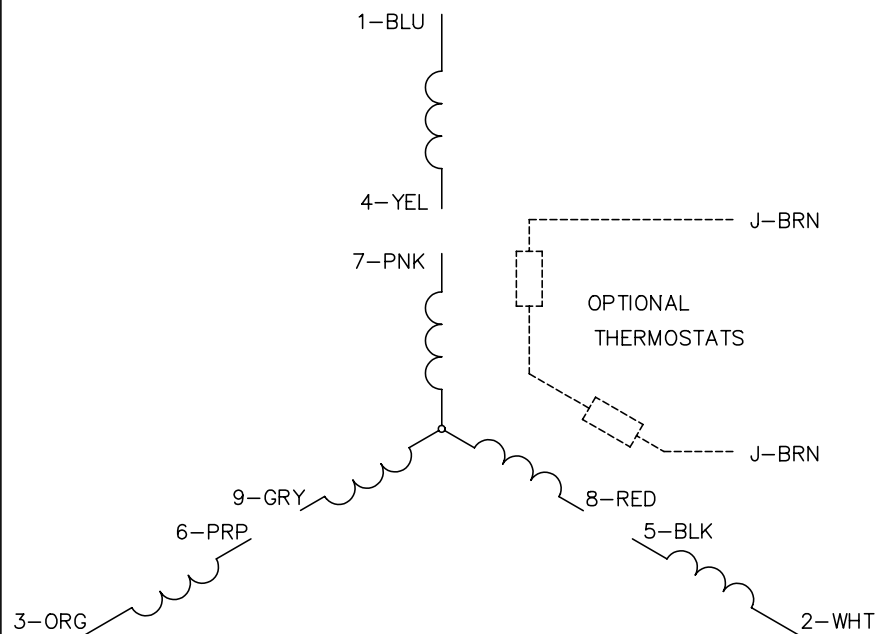
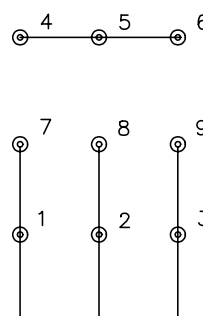
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	64	83	90	92	92	91	92
Efficiency	88.8	92	91.8	90.5	89.3	87.8	89.8
Speed	3575	3550	3524	3493	3458	3418	3472
Line amperes	4.15	6.08	8.55	11.2	14.3	17.6	13.1

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values

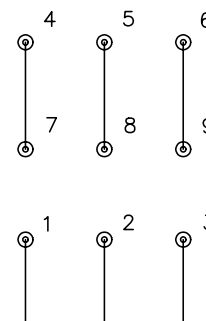




CD0005

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