

BALDOR® • RELIANCE

Product Information Packet

VHM3311T

7.5HP,1760RPM,3PH,60HZ,213HP,0725M,ODP

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0725M	Elec. Spec:	07WGX808	CD Diagram:	CD0005
Enclosure:	ODP	Mfg Plant:		Mech. Spec:	07K218	Layout:	07LYK218
Frame:	213HP	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-15-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1261L										
CAT.NO.	VHM3311T									
SPEC.	07K218X808H1									
HP	7.5									
VOLTS	208-230/460									
AMP	22-21.4/10.7									
RPM	1760									
FRAME	213HP	HZ			60	PH		3		
SER.F.	1.15	CODE			H	DES		B	CLASS	F
NEMA-NOM-EFF	88.5	PF			74					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6309	ODE			6206					
ENCL	ODP	SN								

Parts List		
Part Number	Description	Quantity
SA124236	SA 07K218X808H1	1.000 EA
RA114671	RA 07K218X808H1	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
09CB3002A19	CB MACH - 1.50 N.P.T. LEAD HOLE	1.000 EA
09GS1000SP	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
HW2501E17	.250 SQUARE X 1.875 LONG LOW CARBON STEE	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
09CB3501SP	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

Parts List (continued)		
Part Number	Description	Quantity
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
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
HW4600B44SP	V-RING SLINGER 1.500 X 2.290 X 0.280	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
09GS1013SP	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
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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.036 GA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1261L	SS, UL CSA CC, W/O THERMAL, LASER	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
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 # 17730 - Typical performance - not guaranteed values

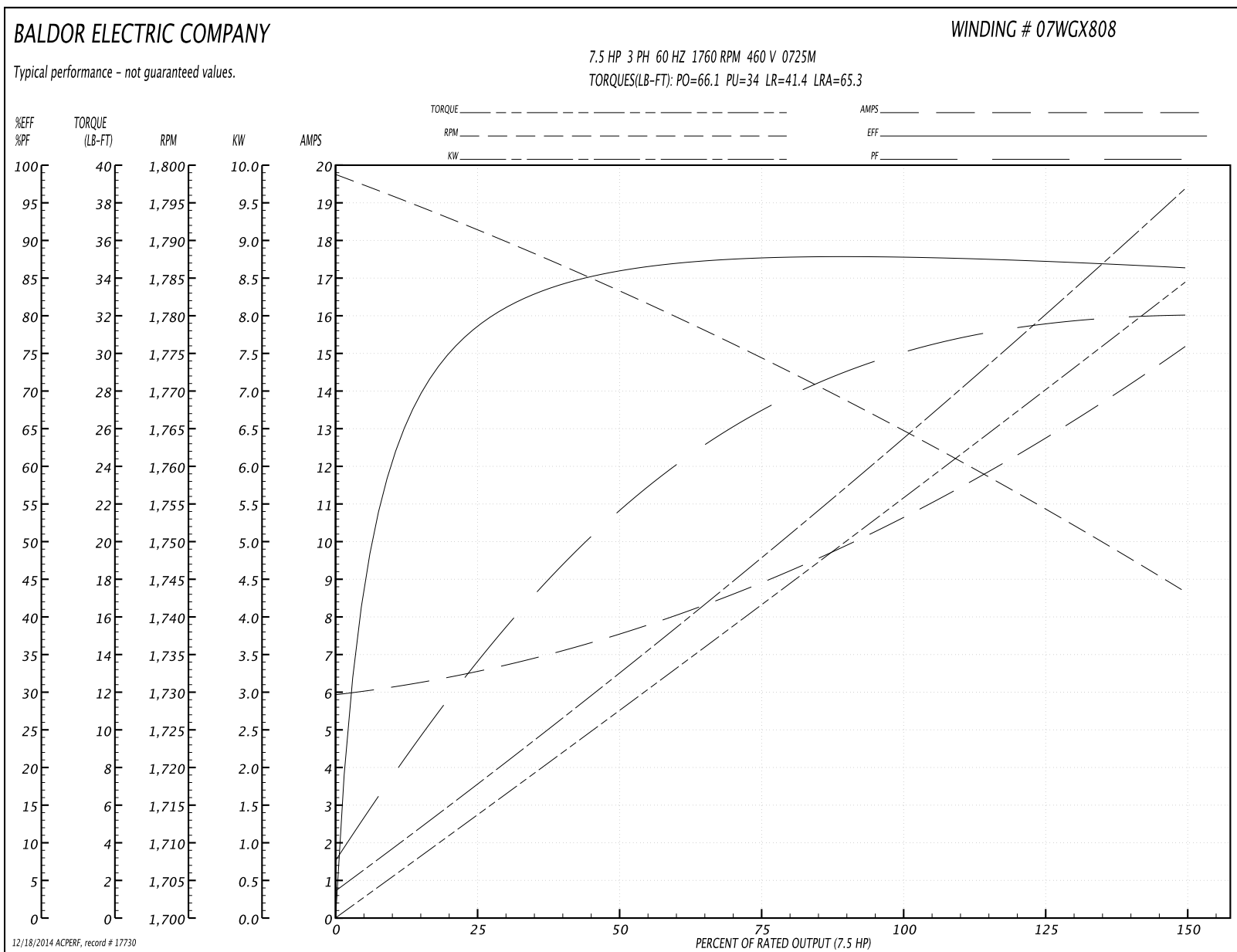
Winding: 07WGX808-R001	Type: 0725M	Enclosure: OPEN
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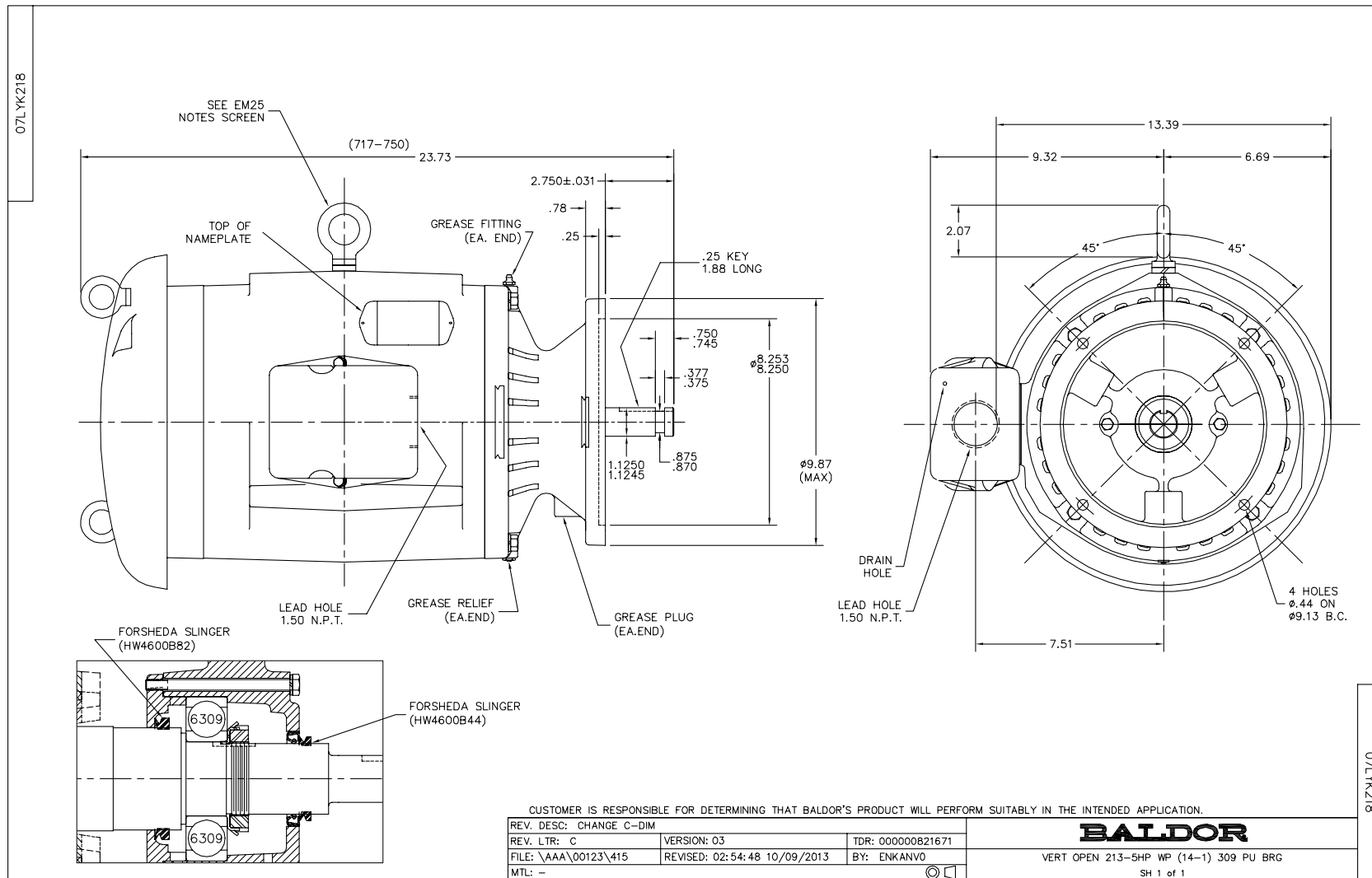
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	22.2 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	22-21.4/10.7			Breakdown Torque	66.1 LB-FT
R.P.M.	1760			Pull-up Torque	34 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	41.4 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	65.3 A
Service Factor (S.F.)	1.15			No-load Current	6.04 A
NEMA Nom. Eff.	88.5	Power Factor	74	Line-line Res. @ 25°C	1.67 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	49°C
S.F. Amps				Temp. Rise @ S.F. Load	59°C
				Rotor inertia	0.615 LF ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	54	67	74	78	80	76
Efficiency	78.8	86.2	88.2	88.4	87.8	86.6	88
Speed	1791	1784	1774	1765	1755	1743	1759
Line amperes	6.42	7.43	8.91	10.7	12.8	15.1	12

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values

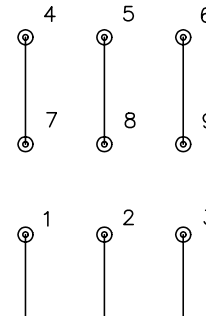




CD0005


 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