

BALDOR® • RELIANCE

Product Information Packet

VHM3211T

3HP,1750RPM,3PH,60HZ,182HP,0623M,ODP,W6

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0623M	Elec. Spec:	06WGW804	CD Diagram:	CD0005
Enclosure:	ODP	Mfg Plant:		Mech. Spec:	06F867	Layout:	06LYF867
Frame:	182HP	Mounting:	W6	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	05-08-2014
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1261L										
CAT.NO.	VHM3211T									
SPEC.	06F867W804H1									
HP	3									
VOLTS	208-230/460									
AMP	8.5-8.4/4.2									
RPM	1750									
FRAME	182HP	HZ			60	PH		3		
SER.F.	1.15	CODE			J	DES		B	CLASS	F
NEMA-NOM-EFF	86.5	PF			78					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6308	ODE			6205					
ENCL	ODP	SN								

Parts List		
Part Number	Description	Quantity
SA124354	SA 06F867W804H1	1.000 EA
RA114780	RA 06F867W804H1	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB3000B01	SPL KO BOX MACH. W/.75 N.P.T.	1.000 EA
06GS1000	GASKET,CONDUIT BOX	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	4.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
10XN2520G06	1/4 20X3/8 HX HD CAP, GREEN	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
06EP1200A01	FREP MACH OPEN	1.000 EA
10XN2520A44	1/4 -20 X 2 3/4 HS WS SL SR	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
06AD2000G	AIR DEFLECTOR, 306 OPEN, GREY EPOXY POWD	1.000 EA
51XT0832A08	8-32 X 1/2 TY23 HXWS SLDSR	3.000 EA
HW1001A08	WASHER, #8 SPLT LK, ZN	3.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	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
06EP1503A02	SPL PU E.P. MACH, W/6308 BRG.	1.000 EA
HW4600A47	CR#13535--NAT#472354 OR TRANSCOM	1.000 EA
10XN2520A36	1/4-20X 2 1/4 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
06CB3500	BALDOR CONDUIT BOX LID	1.000 EA
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 EA
51XW2520A12	SCREW, HEX WS SLT, ZN	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
06FH1500A01	DRIP COVER FOR 306 OPEN	1.000 EA
HW3201A15	.38-16 EYEBOLT W/1.25 SHANK	2.000 EA
HW1000A38	WASHER, 3/8" FLAT, SAE Z/P	2.000 EA
HW4600C51	31X39X7.5MM FACE SEAL FOR 1.375 DIA. SH	1.000 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
LB1386	WARNING LABEL FOR MOTORS WITH EYENUTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.028 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
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 # 17757 - Typical performance - not guaranteed values

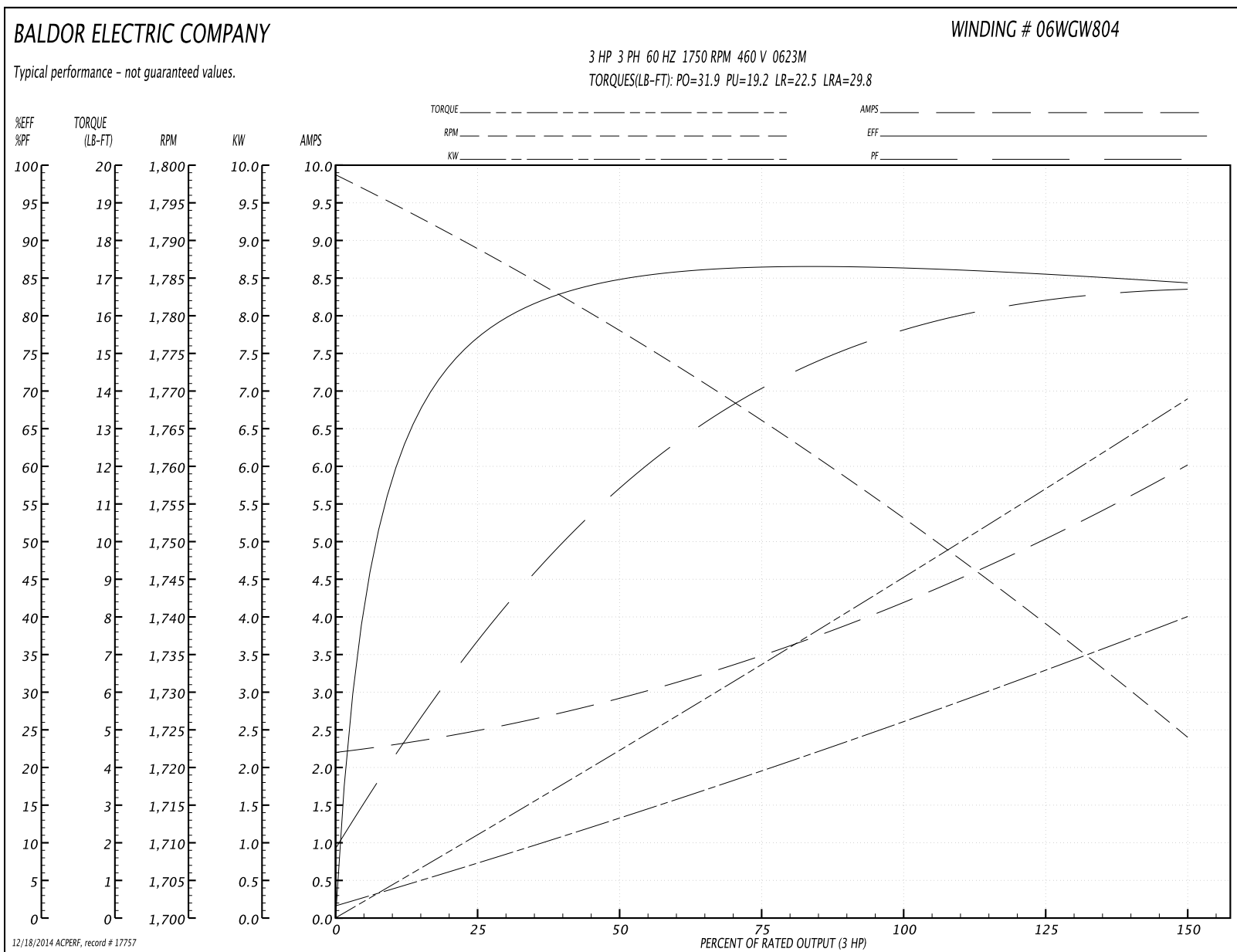
Winding: 06WGW804-R001	Type: 0623M	Enclosure: OPEN
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	9.08 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	8.5-8.4/4.2			Breakdown Torque	31.9 LB-FT
R.P.M.	1750			Pull-up Torque	19.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	22.5 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	29.8 A
Service Factor (S.F.)	1.15			No-load Current	2.18 A
NEMA Nom. Eff.	86.5	Power Factor	78	Line-line Res. @ 25°C	4.93 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	41°C
S.F. Amps				Temp. Rise @ S.F. Load	49°C
				Rotor inertia	0.216 LF ²

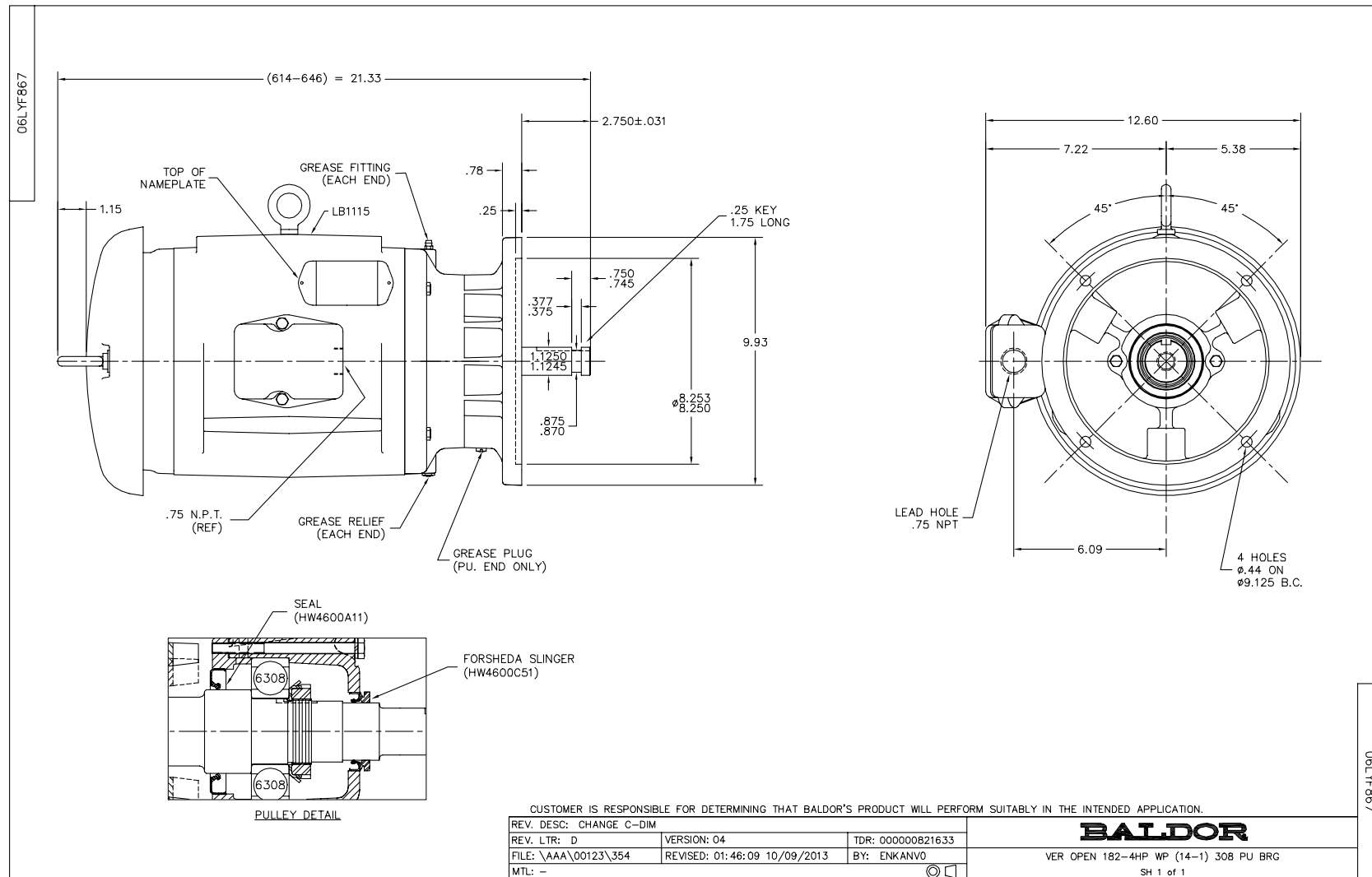
Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	71	78	82	84	80
Efficiency	77	84.6	86.5	86.5	85.6	84.2	86
Speed	1788	1778	1766	1753	1739	1724	1745
Line amperes	2.55	2.91	3.48	4.2	5.06	6.01	4.72

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



12/18/2014 ACPERF, record # 17757



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