

BALDOR® • RELIANCE

Product Information Packet

VHM2516T

25HP,3510RPM,3PH,60HZ,256HP,0934M,OPEN

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0934M	Elec. Spec:	09WGY944	CD Diagram:	CD0180
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	09G625	Layout:	09LYG625
Frame:	256HP	Mounting:	F1	Poles:	02	Created Date:	
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	02-01-2013
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	VHM2516T									
SPEC.	09G625Y944									
HP	25									
VOLTS	230/460									
AMP	58/29									
RPM	3510									
FRAME	256HP	HZ			60	PH		3		
SER.F.	1.15	CODE			G	DES		B	CLASS	F
NEMA-NOM-EFF	91	PF			89					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V			68					
DE	6312	ODE			6208					
ENCL	OPEN	SN								

Parts List		
Part Number	Description	Quantity
SA124445	SA 09G625Y944	1.000 EA
RA114866	RA 09G625Y944	1.000 EA
09CB3002A19	CB MACH - 1.50 N.P.T. LEAD HOLE	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
09AD2003	AIR DEFLECTOR, 309 OPEN P-BASE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
09EP1203A01P4	FREP, MACH W/FINISH PAINT ONLY	1.000 EA
10XN3816K40	3/8-16 X 2.50 HEX HD CAP SCREW, GRADE 5	2.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	2.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HW4600B61	SEAL,V70A FORSH/400700 CR	1.000 EA
10XN3118K68	5/16 18 X 4 1/4 HEX HEAD CAP	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
09EP1508A06	ENDPLATE, MACH W/312 BRG	1.000 EA
10XN3816K40	3/8-16 X 2.50 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW4600B41	V-RING SLINGER 2.125 X 2.880 X 0.280	1.000 EA
09FH1502A01	DRIP COVER, MACH	1.000 EA
HW3201A11	.38-16 EYEBOLT W/4.00 SHANK	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1000A38	WASHER, 3/8" FLAT, SAE Z/P	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
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT .591 OD, .319 I	2.000 EA
HW2501E18	KEY, 1/4 SQ X 2.000	1.000 EA
LB1182	WARNING LABEL FOR MOTORS WITH EYENUTS	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	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
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.200 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
LB1125A01	STOCK MTR CARTON LABEL LASER PRINTER	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
42PA1016	PACKAGING GROUP, 09 LARGE FACE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 17393 - Typical performance - not guaranteed values

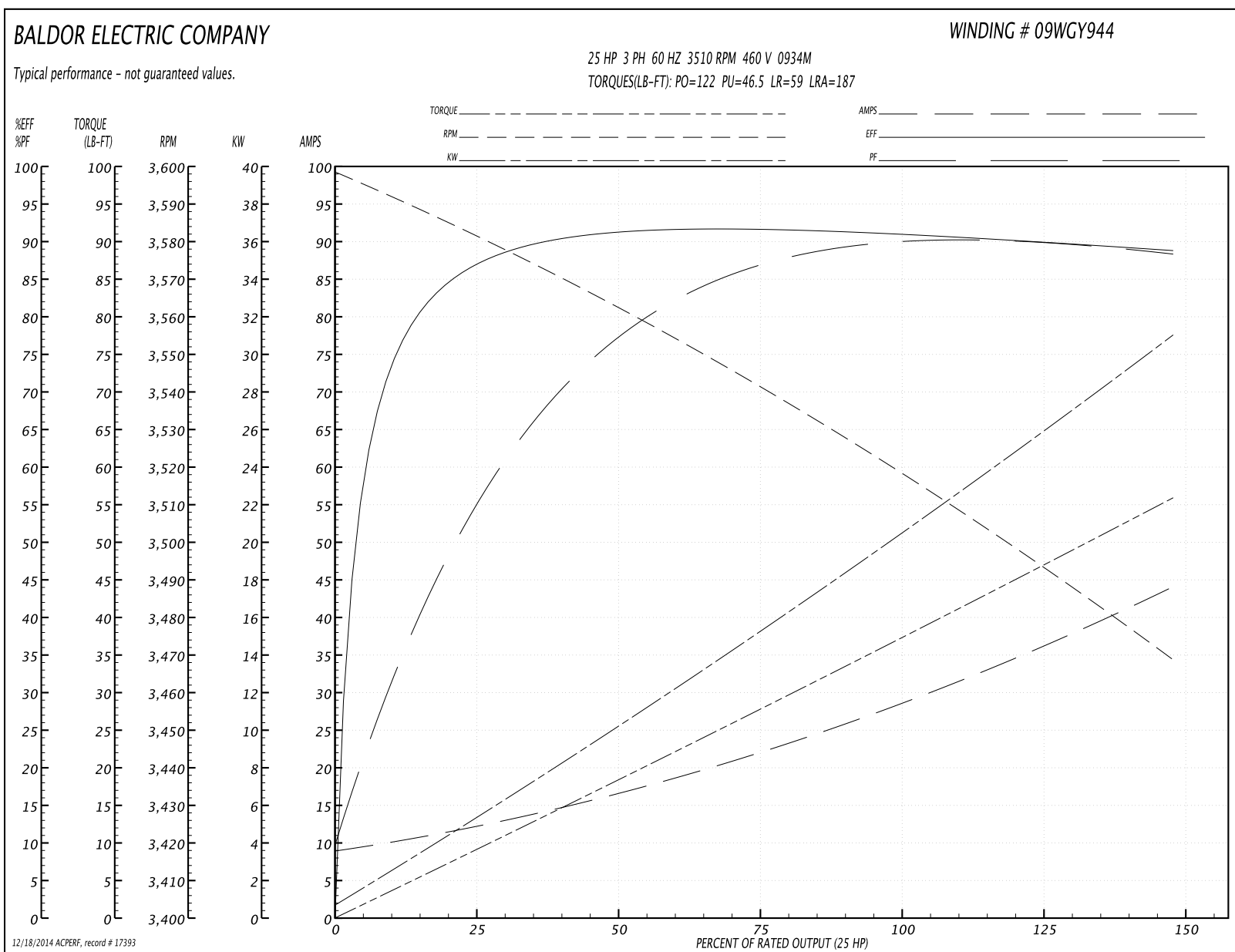
Winding: 09WGY944-R001	Type: 0934M	Enclosure: OPEN
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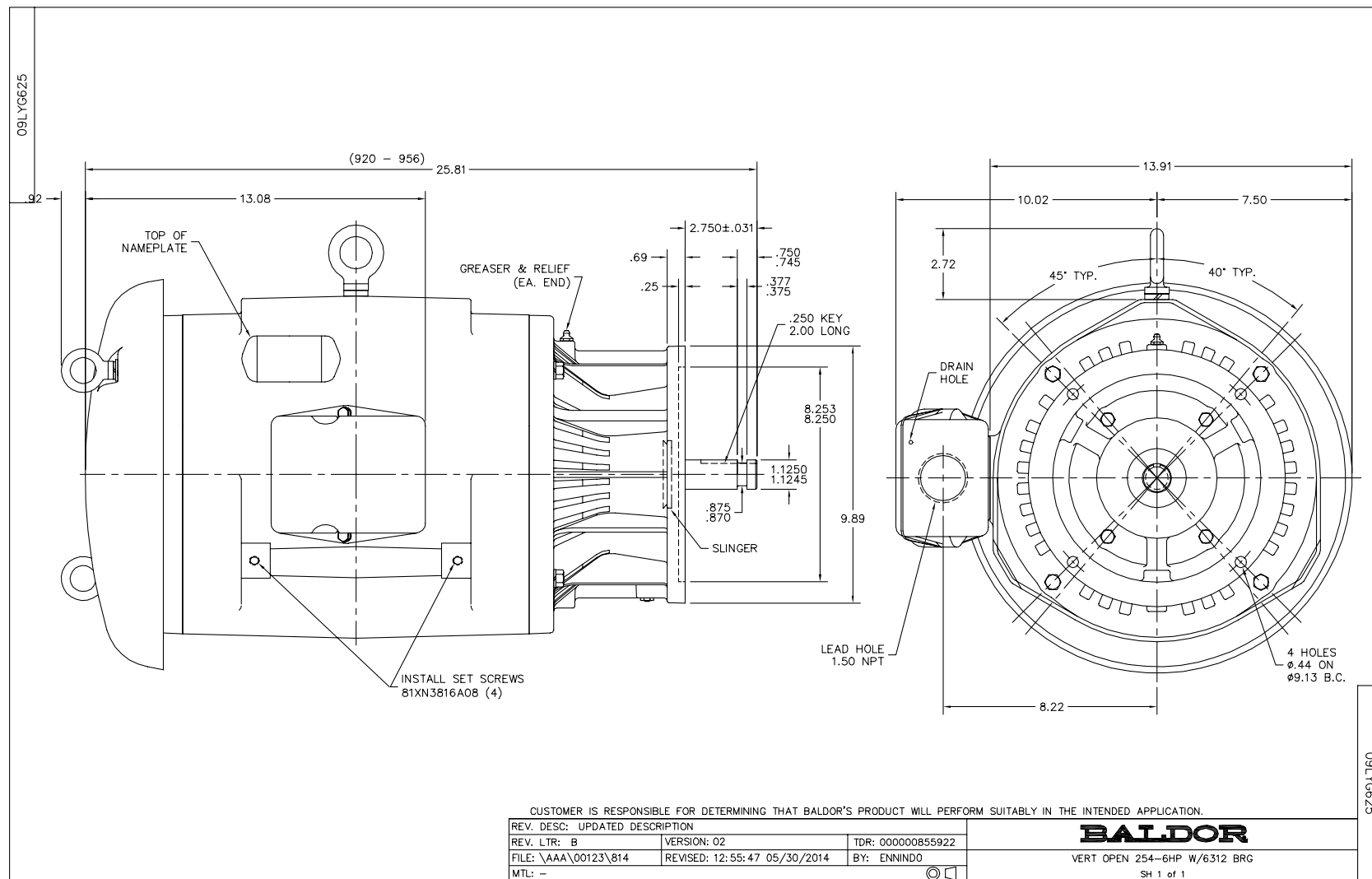
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	25			Full Load Torque	37.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	58/29			Breakdown Torque	122 LB-FT
R.P.M.	3510			Pull-up Torque	46.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	59 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	187 A
Service Factor (S.F.)	1.15			No-load Current	9.27 A
NEMA Nom. Eff.	91	Power Factor	89	Line-line Res. @ 25°C	0.427 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	37°C
S.F. Amps				Temp. Rise @ S.F. Load	50°C
				Rotor inertia	0.868 LF ²

Load Characteristics 460 V, 60 Hz, 25 HP

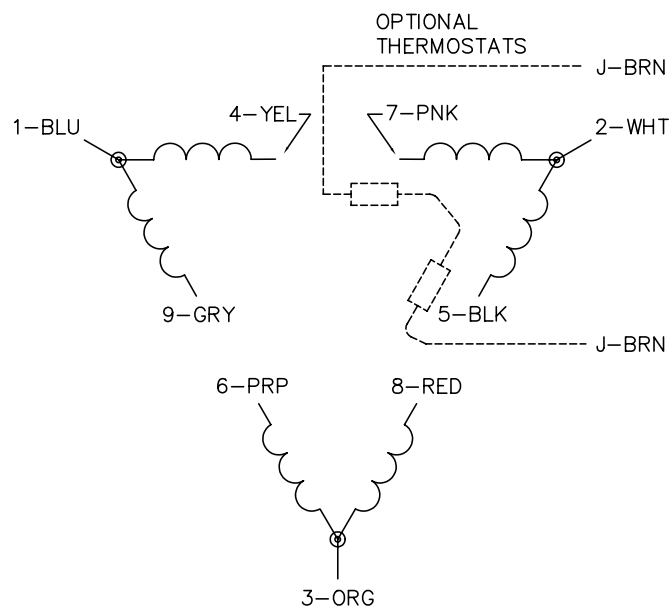
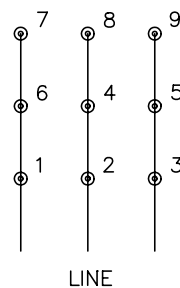
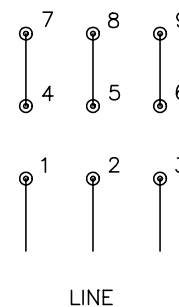
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	57	78	86	89	90	90	90
Efficiency	86.8	91	91.6	91.1	90.1	88.7	90.5
Speed	3581	3561	3541	3519	3495	3468	3505
Line amperes	11.82	16.45	22.36	28.85	36	43.9	33.1

Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values





CD0180

LOW VOLTAGE
(2D)HIGH VOLTAGE
(1D)

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: C BY: JLP

REVISED: 01/21/99 2:28

TDR: 0171435

081000

FILE: AAA00005148

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS, DELTA CONNECTION

CD0180