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Product Information Packet

ELECTRIC MOTOR WHOLESALE.COM

VHM2514T

20HP,3510RPM,3PH,60HZ,254HP,0928M,OPEN

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Part Detail

Revision:	E	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	0928M	**Elec. Spec:**	09WGY943	**CD Diagram:**	
Enclosure:	OPEN	**Mfg Plant:**		**Mech. Spec:**	09G625	**Layout:**	
Frame:	254HP	**Mounting:**	F1	**Poles:**	02	**Created Date:**	
Base:	N	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	01-03-2012
Leads:	9#12	**Literature:**		**Elec. Diagram:**		**Replaced By:**	

Nameplate NP1256L

CAT.NO.	VHM2514T							
SPEC.	09G625Y943							
HP	20							
VOLTS	230/460							
AMP	47/23.5							
RPM	3510							
FRAME	254HP	**HZ**	60	**PH**	3			
SER.F.	1.15	**CODE**	G	**DES**	B	**CLASS**	F	
NEMA-NOM-EFF	90.2	**PF**	88					
RATING	40C AMB-CONT							
CC	010A	**USABLE AT 208V**	51					
DE	6312	**ODE**	6208					
ENCL	OPEN	**SN**						

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Parts List

Part Number	Description	Quantity
SA124444	SA 09G625Y943	1.000 EA
RA114865	RA 09G625Y943	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	KPA-8C BURNDY 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

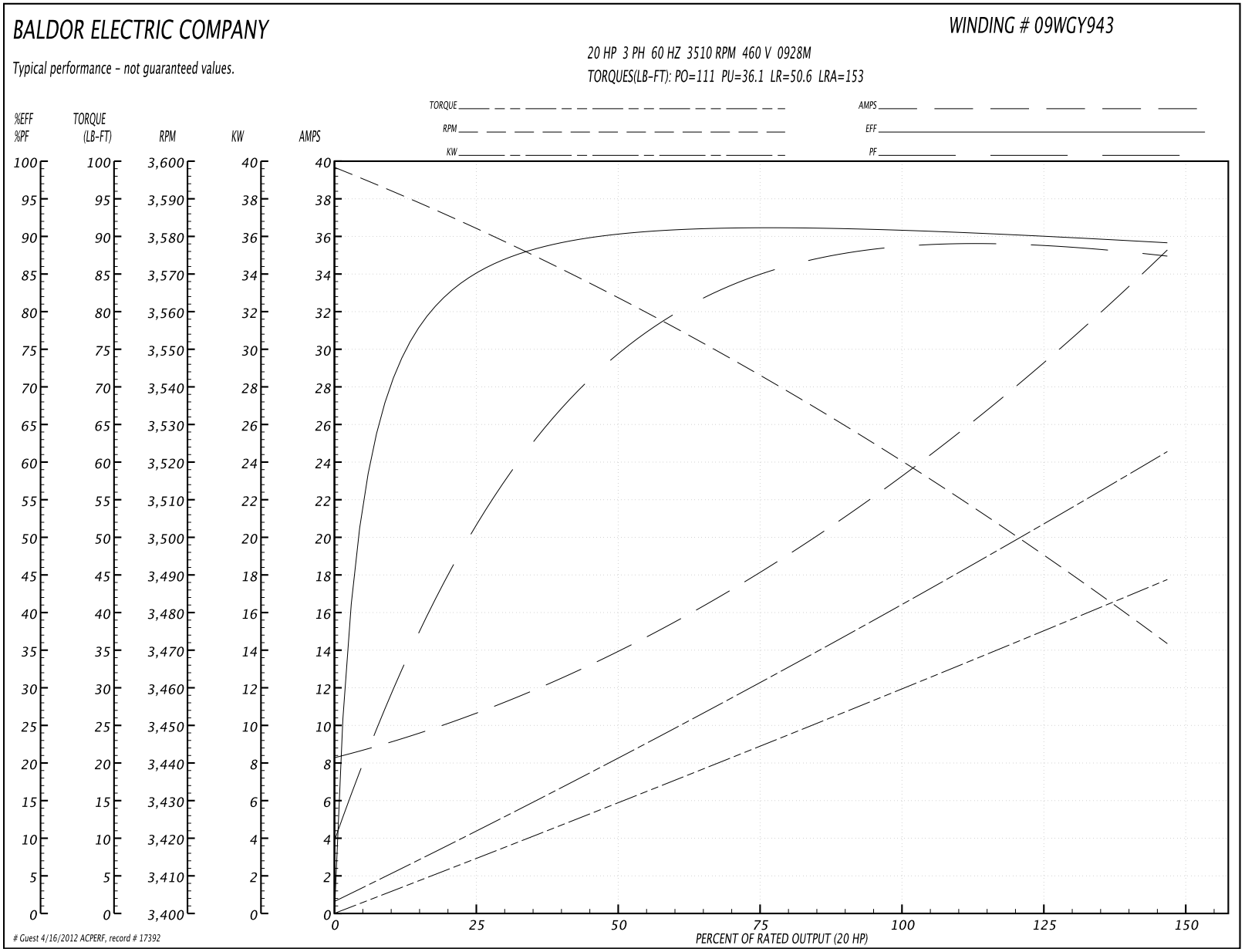
Parts List (continued)

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
LB5040	INSTRUCTION TAG, AC & DC	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	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	PAINT- S9282E CHARCOAL GREY	0.200 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
LB1125A01SP	STOCK MTR CARTON LABEL LASER PRINTER	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP1256L	ALUM, UL CSA CC, W/O THERMAL, LASER	1.000 EA
42PA1016	PACKAGING GROUP, 09 LARGE FACE	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH

Performance Data at 460V, 60Hz, 20.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Full Load Torque:	29.6 LB-FT			Start Configuration:		DOL	
No-Load Current:	8.61 Amps			Break-Down Torque:		111.0 LB-FT	
Line-line Res. @ 25°C.:	0.512 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:		36.1 LB-FT	
Temp. Rise @ Rated Load:	44 C			Locked-Rotor Torque:		50.6 LB-FT	
Temp. Rise @ S.F. Load:	54 C			Starting Current:		153.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	52.0	74.0	83.0	87.0	89.0	89.0	88.0
Efficiency:	84.7	90.1	91.2	91.0	90.1	89.1	90.5
Speed:	3581.0	3563.0	3544.0	3522.0	3496.0	3472.0	3506.0
Line Amperes:	10.2	13.9	18.1	23.3	29.1	35.0	26.78

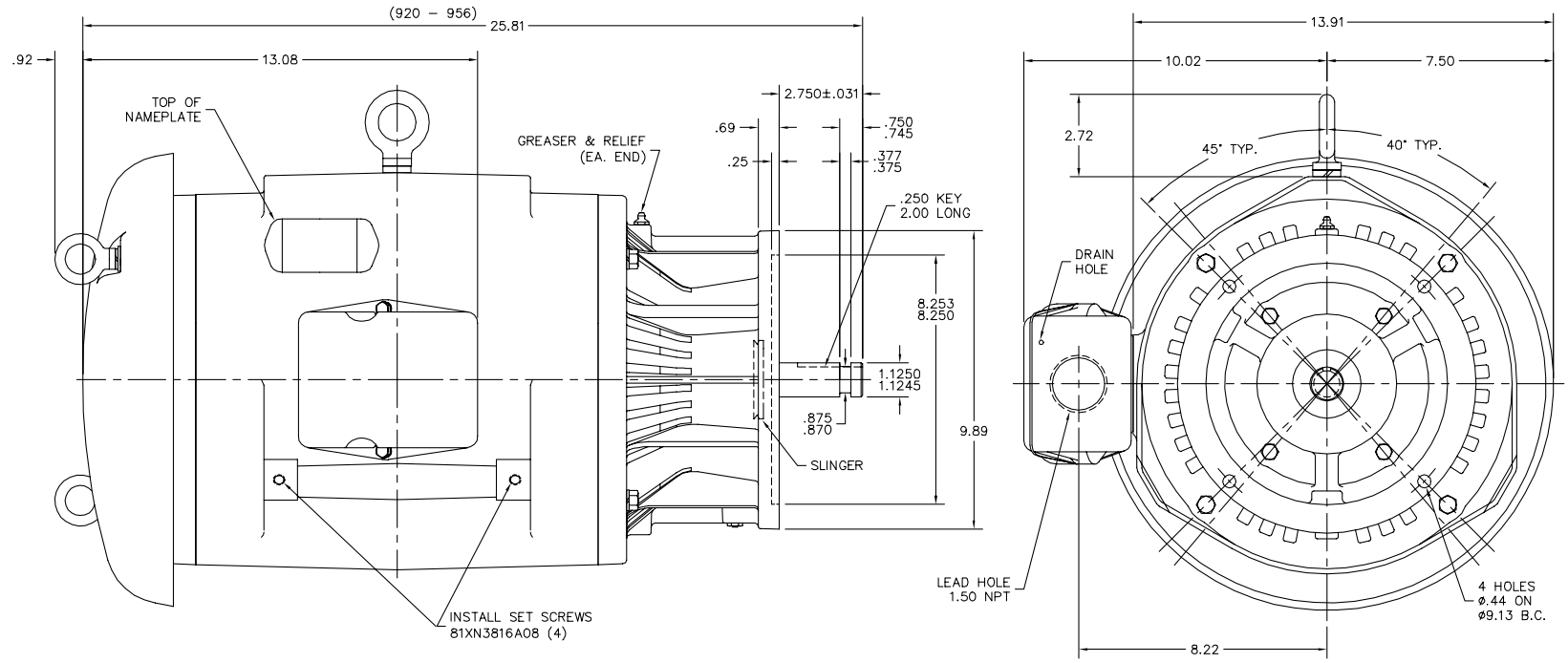
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Performance Graph at 460V, 60Hz, 20.0HP Typical performance - Not guaranteed values



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09LYG625



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: REMOVE GASKETS		
REV. LTR: A	VERSION: 01	TDR: 000000445681
FILE: \AAA\00123\814	REVISED: 09:00:45 02/12/2008	BY: ENGREH0
MTL: –		

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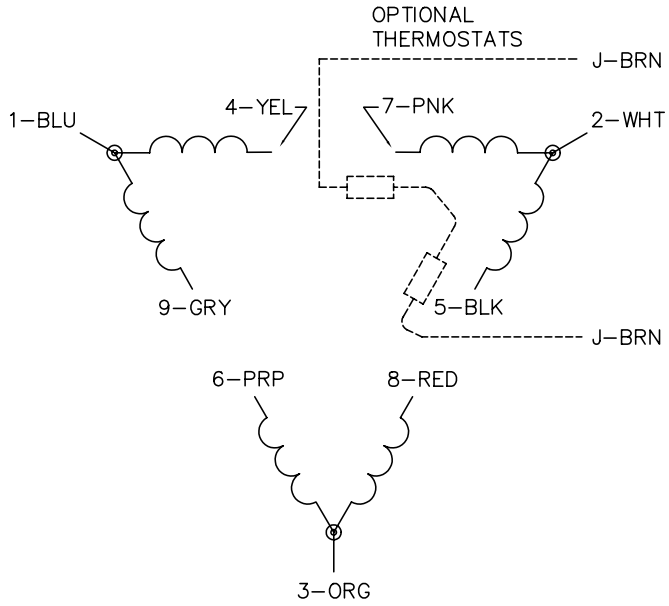
STD VERT OPEN 254–6HP W/6312 BRG

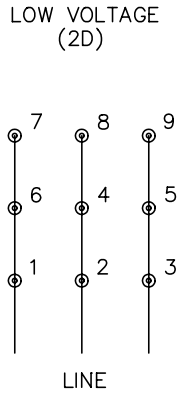
SH 1 of 1

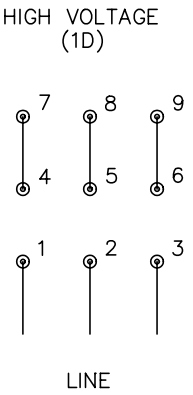
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CD0180







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.

CD0180

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: C	BY: JLP	REVISED: 01/21/99 2:28	TDR: 0171435
CD0180		FILE: AAA00005148	MDL: –
		MTL: –	3PH, DV, 9 LEADS, DELTA CONNECTION

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