

# **BALDOR**® • **RELIANCE**

## **Product Information Packet**

# **VHECP4108T**

**30HP,3520RPM,3PH,60HZ,286HP,0954M,TEFC**

Copyright © All product information within this document is subject to Baldor Electric Company copyright © protection, unless otherwise noted.

Part Detail									
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	0954M	Elec. Spec:	09WGY356	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09G614	Layout:			
Frame:	286HP	Mounting:	F1	Poles:	02	Created Date:			
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	01-27-2012		
Leads:	9#10	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1260E									
CAT.NO.	VHECP4108T								
SPEC.	09G614Y356								
HP	30								
VOLTS	230/460								
AMP	66/33								
RPM	3520								
FRAME	286HP	HZ	60			PH	3		
SER.F.	1.15	CODE	J			DES	A	CL	F
NEMA-NOM-EFF	93	PF	92						
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V	76						
DE	6311	ODE	6208						
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA124086	SA 09G614Y356	1.000 EA
RA114530	RA 09G614Y356	1.000 EA
S/P107-000-005	SUPER-E PROC'S(254/6 FR.) ZK PLANT - POL	1.000 EA
10CB1000A16P	SPL CONDUIT BOX W/ PRIMER	1.000 EA
09GS1010	GASKET, DWG, LEADWIRE SEPERATOR	1.000 EA
10XN3118K16	5/16-18 X 1" GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	KPA-4C BURNDY TERMINAL	1.000 EA
10XN2520K06	1/4-20 X 3/8" HX HD SCREWGRADE 5, ZINC P	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
HW2501E11	KEY, 1/4 SQ X 1.125	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA3400A33	STUD- 3/8-16 X 4.82 HEX WELKER	4.000 EA
HW4600B44SP	V-RING SLINGER 1.500 X 2.290 X 0.280	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA
10XN3118K56	5/16-18 X 3.50" HEX HD, GRADE 5	4.000 EA
09EP1505A11P	PU ENDPLATE ENCL 213 BRG 309 254-256LP,	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
10XN3816K24	3/8-16 X 1.50 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW4600B40	V-RING SLINGER 2.000 X 2.680 X 0.280	1.000 EA
09FH1000A11P	FAN COVER, MACH P-BASE W/EPOXY PRIMER	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW4600E45	CR#20599 DOUBLE LIP SEAL 2.06 X 3.00 X .	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HA6387	SPL EYE BRACKET 309-10 FRCR. STEEL P-BAS	2.000 EA
10XN3816K20	3/8-16 X 1.25 HEX HD CAP GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
09FH1500A01P	DRIP COVER, MACH W/EPOXY PRIMER	1.000 EA
10XN2520K30	STD.25X20 THD HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1000A25	1/4 SAE FLAT WASHER (FS)	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
10CB1503A01P	CONDUIT BOX LIPPED LID, MACH W/EPXY PRMR	1.000 EA
14GS1003	GASKET CONDUIT BOX LID, NEOP	1.000 EA
10XN2520K16	1/4-20 X 1" HX HD SCRW GRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
MJ5001A01	46-665 RED SEALER	0.031 QT
LB1115	LABEL,LIFTING DEVICE	1.000 EA
10XN3816K10	BOLT, 3/8-16 X 5/8 HHCS YZ	3.000 EA
09EP1100A28GP6	ENDPLATE,MACH,PRIMED, W/RELIANCE GREEN	1.000 EA
HW4500A05	1669B ALEM/UNIV860 GR FTG X	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	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

Parts List (continued)		
Part Number	Description	Quantity
37FN3002C02	EXFN, PLASTIC, 6.00 OD, 1.500 ID	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LB1002	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
LB1182	WARNING LABEL FOR MOTORS WITH EYENUTS	2.000 EA
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.023 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP1260E	SS CP SUPER-E UL CSA CC	1.000 EA
40PA1019	WOODBASE 310 RISER SIDE LUG WITH PK1023	1.000 EA

**Performance Data at 460V, 60Hz, 30.0HP (Typical performance - Not guaranteed values)**

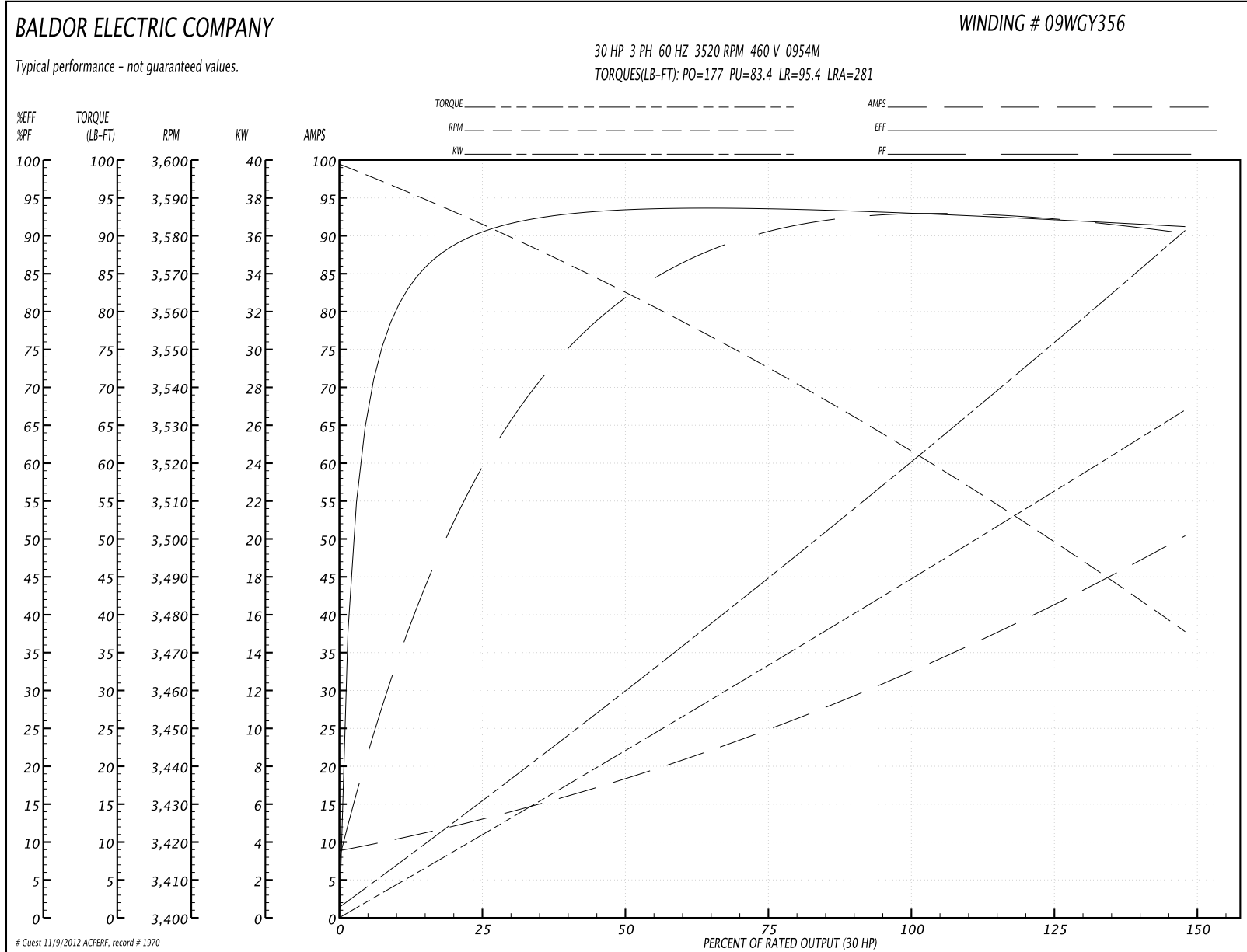
**General Characteristics**

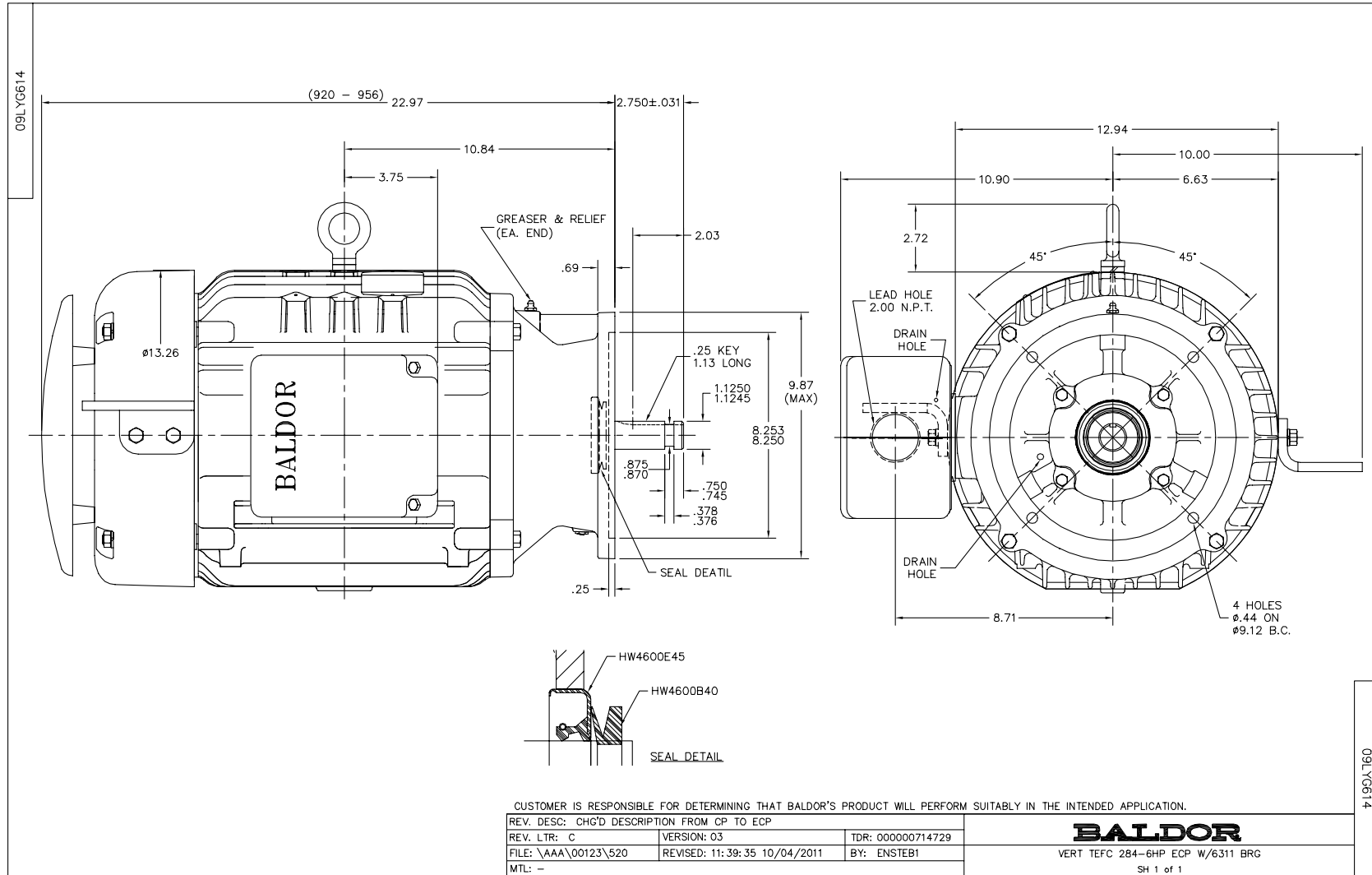
Full Load Torque:	44.7 LB-FT	Start Configuration:	DOL
No-Load Current:	9.42 Amps	Break-Down Torque:	177.0 LB-FT
Line-line Res. @ 25°C.:	0.236 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	83.4 LB-FT
Temp. Rise @ Rated Load:	75 C	Locked-Rotor Torque:	95.4 LB-FT
Temp. Rise @ S.F. Load:	101 C	Starting Current:	281.0 Amps

**Load Characteristics**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	63.0	83.0	89.0	92.0	92.0	92.0	92.0
Efficiency:	90.2	93.2	93.5	93.1	92.3	91.1	92.6
Speed:	3583.0	3564.0	3545.0	3523.0	3501.0	3475.0	3510.0
Line Amperes:	12.32	18.22	25.23	32.9	41.2	50.1	37.9

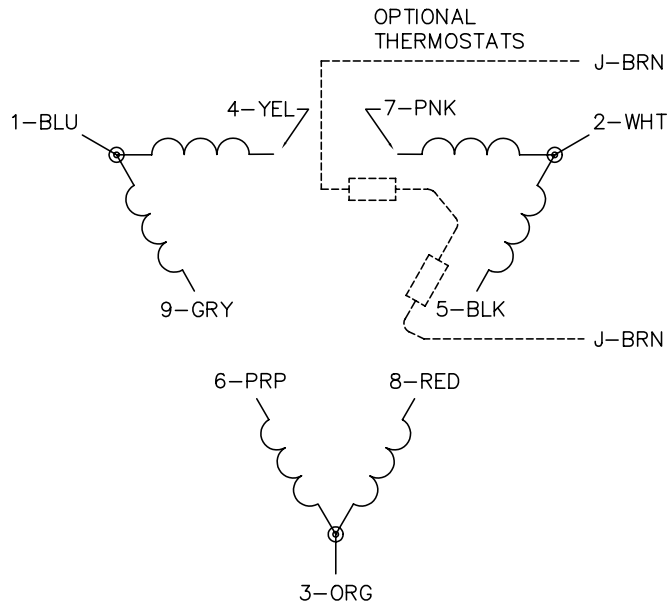
Performance Graph at 460V, 60Hz, 30.0HP Typical performance - Not guaranteed values



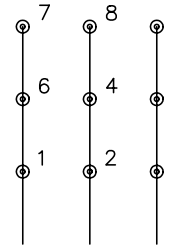




CD0180

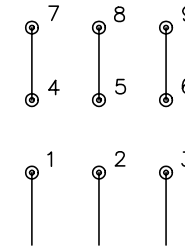


LOW VOLTAGE  
(2D)



LINE

HIGH VOLTAGE  
(1D)



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: C	BY: JLP	REVISED: 01/21/99 2:28	TDR: 0171435
0810D0		FILE: AAA00005148	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS, DELTA CONNECTION

CD0180