

BALDOR® • ***RELIANCE***

Product Information Packet

VLECP4108T

30HP,3525RPM,3PH,60HZ,286LP,1048M,TEFC,F

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1048M	Elec. Spec:	10WGZ501	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	10M69	Layout:	10LYM069
Frame:	286LP	Mounting:	F1	Poles:	02	Created Date:	02-17-2016
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	03-18-2016
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3241									
CAT.NO.	VLECP4108T	P/N		ENCLOSURE	TEFC				
SPEC.	10M069Z501G1	CC	010A	FRAME	286LP	S/N			
HP	30	CLASS	F	HZ	60	DES	B		
RPM	3525	RPM MAX	5400	PH	3	KVA-CODE	G		
VOLT	230/460	MOTOR WEIGHT	396						
AMP	68/34	SER.F.	1.15	PF	90	ODE BRG	6309	DE BRG	QJ213
RATING	40C AMB-CONT	NEMA-NOM-EFF	91.7	GREASE	POLYREX EM				
				INV.TYPE	PWM				
TEMP CODE	T3	INVERTER-TEMP-CODE	200						
TEMP =	200	C HP FR	60	C HP TO	90				
CT HZ FROM	6	CT HZ TO	60						
HTR-VOLTS		HTR-AMPS		HTR-WATTS		MAX. SPACE HEATER TEMP.		VT HZ FROM	3
								VT HZ TO	60

Parts List		
Part Number	Description	Quantity
SA315547	SA 10M069Z501G1	1.000 EA
RA303080	RA 10M069Z501G1	1.000 EA
37FN3002B03	EXFN, PLASTIC, 7.50 OD, 1.690 ID	1.000 EA
10CB1000A16E	SPL CONDUIT BOX W/E-COAT	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	T&B CX70TN 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
HA4017A11	1/8 X 2.75 GREASE EXT (F/S)	1.000 EA
HA4017A03	.125 X 1.75 GREASE EXT (F/S)	1.000 EA
HW4019A01	PIPE COUPLING 1/8 NPT,STEEL,ZINC COATING	1.000 EA
10XN3816S28	3/8-16 X 1 3/4 HEX HD CAP SCREW, STAINLE	4.000 EA
HW1001S38	WASHER, 3/8 SPLT LK, STAINLESS STEEL	4.000 EA
HA1005A26	SLINGER, OD 3.00, ID 1.75, 309 BRG	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN2520S32	1/4-20 X 2 HEX HEAD SS	2.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	2.000 EA
10XN3118S58	5/16-18 X 3.625 HEX HD SS	4.000 EA
HW1001S31	WASHER, 5/16 SPLT LK, STAINLESS STEEL	4.000 EA
10EP1503A02P	SPL PU EP 310 ENCL 6213 BRG 284-6TP W/EP	1.000 EA
10XN3816S28	3/8-16 X 1 3/4 HEX HD CAP SCREW, STAINLE	4.000 EA
HW1001S38	WASHER, 3/8 SPLT LK, STAINLESS STEEL	4.000 EA
HW4600B42	V-RING SLINGER 2.375 X 3.070 X .28 VITON	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10FH1007A10P	FAN HOUSING MODEL 310 TEFC MOTORS W/EPOX	1.000 EA
10XN3816S24	3/8-16X1 1/2 HX HD CAP SS	3.000 EA
HW1001S38	WASHER, 3/8 SPLT LK, STAINLESS STEEL	3.000 EA
12FH1500A01P	MACH DRIP COVER 310-312 MTRS	1.000 EA
10XN3816S36	3/8-16 X 2 1/4 HEX HD CAPSCREW SS	4.000 EA
HW1000S38	3/8 FLAT WASHER SS	4.000 EA
HW1001S38	WASHER, 3/8 SPLT LK, STAINLESS STEEL	4.000 EA
HA6387	SPL EYE BRACKET 309-10 FRCR. STEEL P-BAS	2.000 EA
10XN3816S16	3/8-16 X 1 HEX HD CAP SCREW, STAINLE	4.000 EA
HW1001S38	WASHER, 3/8 SPLT LK, STAINLESS STEEL	4.000 EA
XY3816S12	3/8-16 HEX FINISHED NUT SS	4.000 EA
10CB1503A01P	CONDUIT BOX LIPPED LID, MACH W/EPXY PRMR	1.000 EA
14GS1003	GASKET CONDUIT BOX LID, NEOP	1.000 EA
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.001 EA
10XN2520S16	41/4-20 X 1 HEX HEAD SS	4.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	4.000 EA
HW2501H22	KEY, 1/2 SQ X 2.500	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.031 QT
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1182	WARNING LABEL FOR MOTORS WITH EYENUTS	2.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
10EP1104A41GE6	FREP, MACH W/E-COAT & PAINT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA

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HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 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
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025N19	WILKOFAS, 778.50, RELIANCE BLUE-GREEN	0.070 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP3241	SS SUPER-E INV UL CSA-EEV PREM CC	1.000 EA
18PA1057	PKG. GRP., VERT SHIP 30.5+MAX 4-3/4"SHAF	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 55452 - Typical performance - not guaranteed values

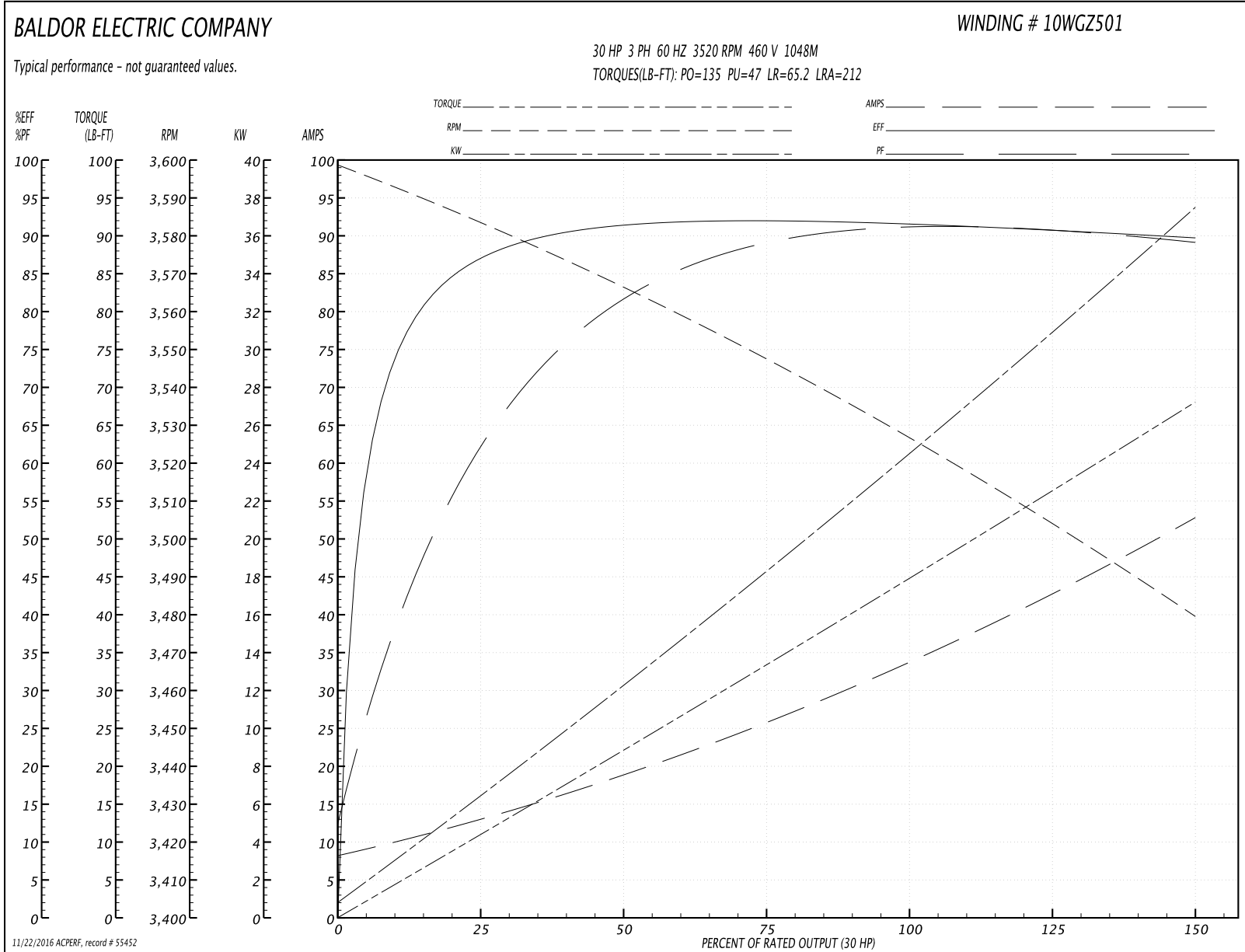
Winding: 10WGZ501-R001	Type: 1048M	Enclosure: TEFC
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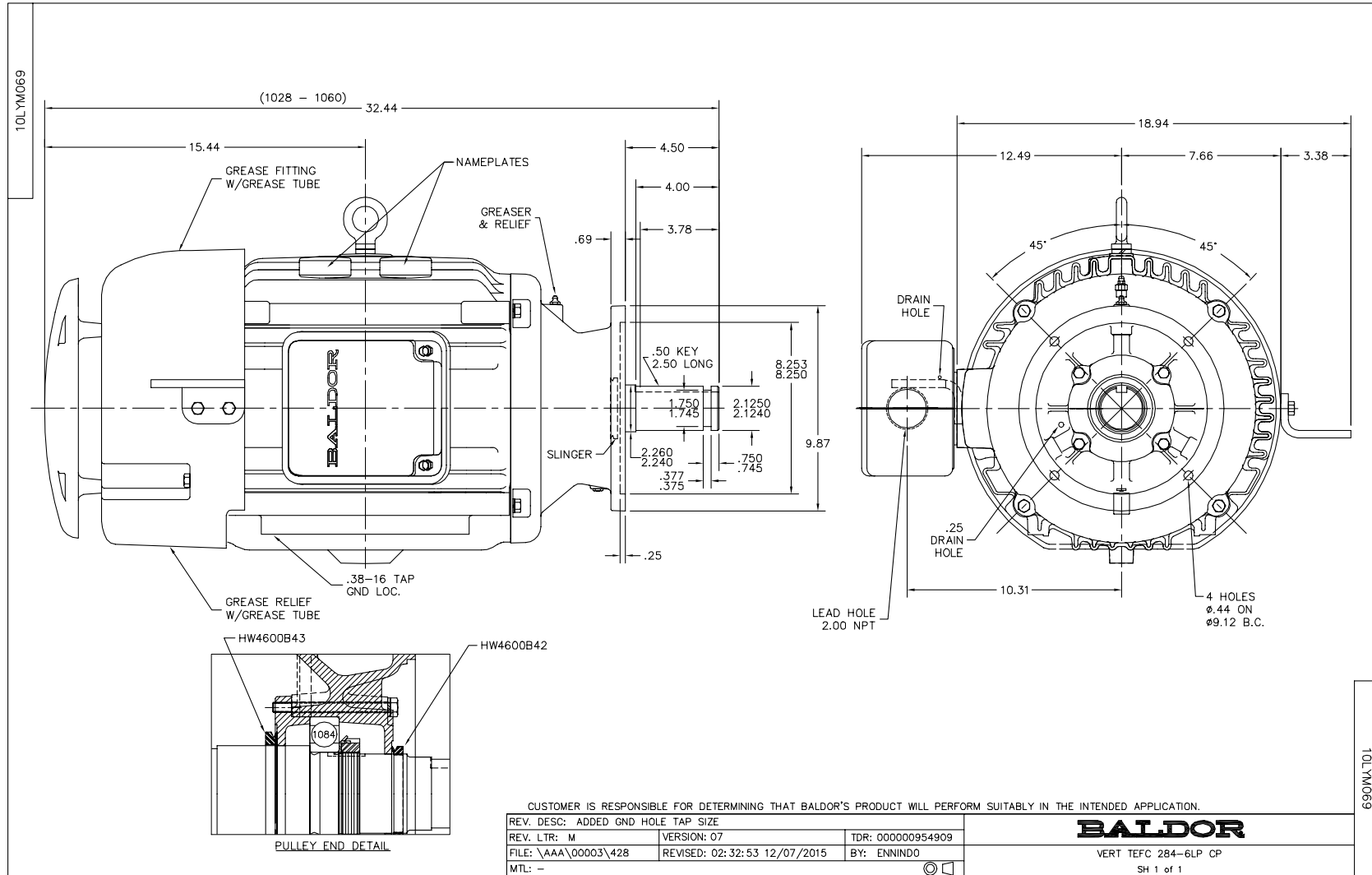
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	30			Full Load Torque	44.8 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	68/34			Breakdown Torque	135 LB-FT
R.P.M.	3520			Pull-up Torque	47 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	65.2 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	212 A
Service Factor (S.F.)	1.15			No-load Current	8.74 A
NEMA Nom. Eff.	91.7	Power Factor	90	Line-line Res. @ 25°C	0.24052 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
S.F. Amps				Temp. Rise @ S.F. Load	85°C
				Locked-rotor Power Factor	23.2

Load Characteristics 460 V, 60 Hz, 30 HP

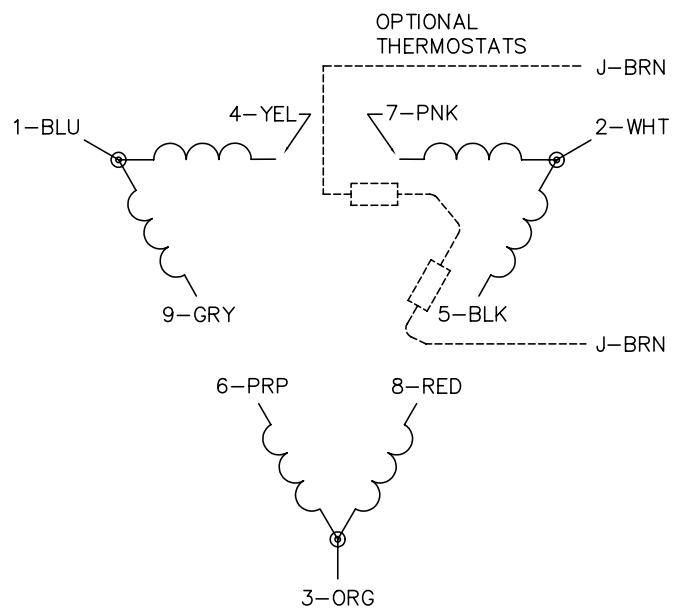
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	67	83	88	90	90	90	90
Efficiency	87	91.3	92	91.7	90.9	89.7	91.2
Speed	3583	3565.7	3547.3	3526.7	3504.4	3479.1	3513
Line amperes	12.4	18.7	26.1	34.1	43.1	52.5	39.5

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

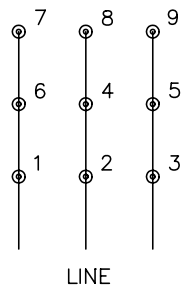




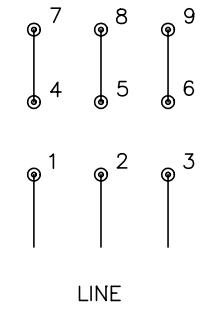
CD0180



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
0810D0		FILE: AAA00005148	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS, DELTA CONNECTION

CD0180

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>