

BALDOR® • RELIANCE

Product Information Packet

CECP4104T-4

30HP,1770RPM,3PH,60HZ,286TC,1060M,TEFC,F

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1060M	Elec. Spec:	10WGX992	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	10G297	Layout:	10LYG297
Frame:	286TC	Mounting:	F1	Poles:	04	Created Date:	02-22-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-29-2014
Leads:	3#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3241													
CAT.NO.	CECP4104T-4	P/N		ENCLOSURE	TEFC								
SPEC.	10G297X992	CC	010A	FRAME	286TC	S/N							
HP	30	CLASS	F	HZ	60	DES			B				
RPM	1770	RPM MAX	2700	PH	3	KVA-CODE			G				
VOLT	460	MOTOR WEIGHT	475										
AMP	35	SER.F.	1.15	PF	87	ODE BRG			6311	DE BRG	6311		
RATING	40C AMB-CONT	NEMA-NOM-EFF	93.6	GREASE	POLYREX EM								
		INV.TYPE	PWM										
TEMP CODE	T3C	INVERTER-TEMP-CODE	180										
TEMP =	160	C HP FR	60	C HP TO	90								
CT HZ FROM	1.0	CT HZ TO	60										
HTR-VOLTS		HTR-AMPS		HTR-WATTS		MAX. SPACE HEATER TEMP.				VT HZ FROM	O	VT HZ TO	60

Parts List		
Part Number	Description	Quantity
SA191366	SA 10G297X992	1.000 EA
RA179026	RA 10G297X992	1.000 EA
09FN3001D02	EXTERNAL FAN, PLASTIC	1.000 EA
10CB1000A09P	CONDUIT BOX, MACH W/EPOXY 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	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
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA1005A04SP	SLINGER, OD 3.620, ID 1.98,	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A13	W4627-047 WVY WSHER	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
10XN3118K36	5/16-18 X 2.25" HEX HD, GRADE 5	4.000 EA
10EP1305A01P	PU ENDPLATE, MACH W/EPOXY	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW4600B40	V-RING SLINGER 2.000 X 2.680 X 0.280	1.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
10FH1007P	FAN COVER, CAST W/EPOXY PRIMER	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN3118K20	5/16-18 X 1 1/4 GRADE 5 STEEL ZC PLATED	3.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT .591 OD, .319 I	3.000 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	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
MJ5001A27	32220KN GRAY SEALER	0.031 QT
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.026 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
10EP1110A06GP6	FREP, MACH W/PRIMER & GREEN PAINT	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 LB
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	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

Parts List (continued)		
Part Number	Description	Quantity
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.070 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP3241	SS SUPER-E INV UL CSA-EEV PREM CC	1.000 EA
10PA1000	PACKAGING GROUP COMBINED PRINT PK1023A06	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 47177 - Typical performance - not guaranteed values

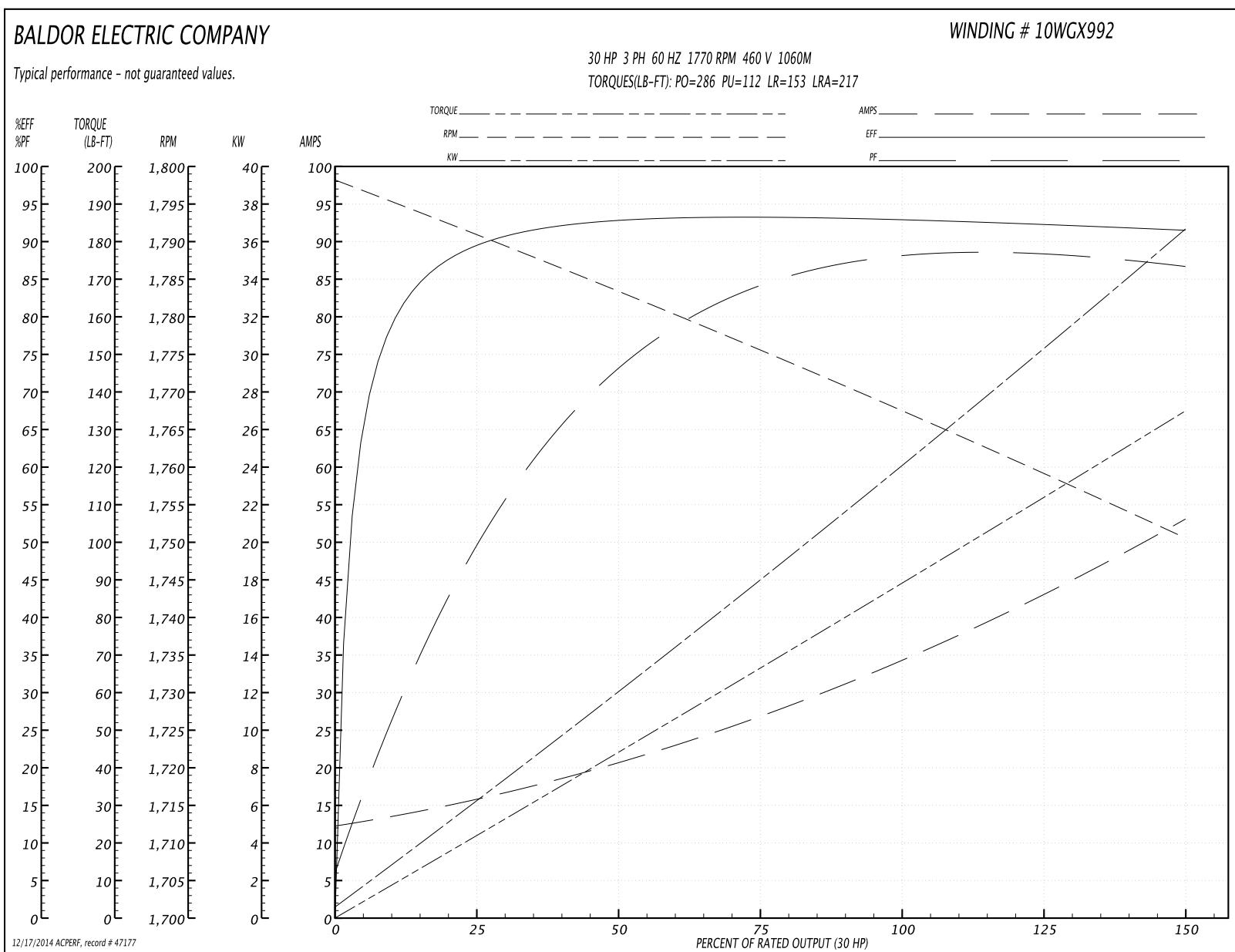
Winding: 10WGX992-R036	Type: 1060M	Enclosure: TEFC
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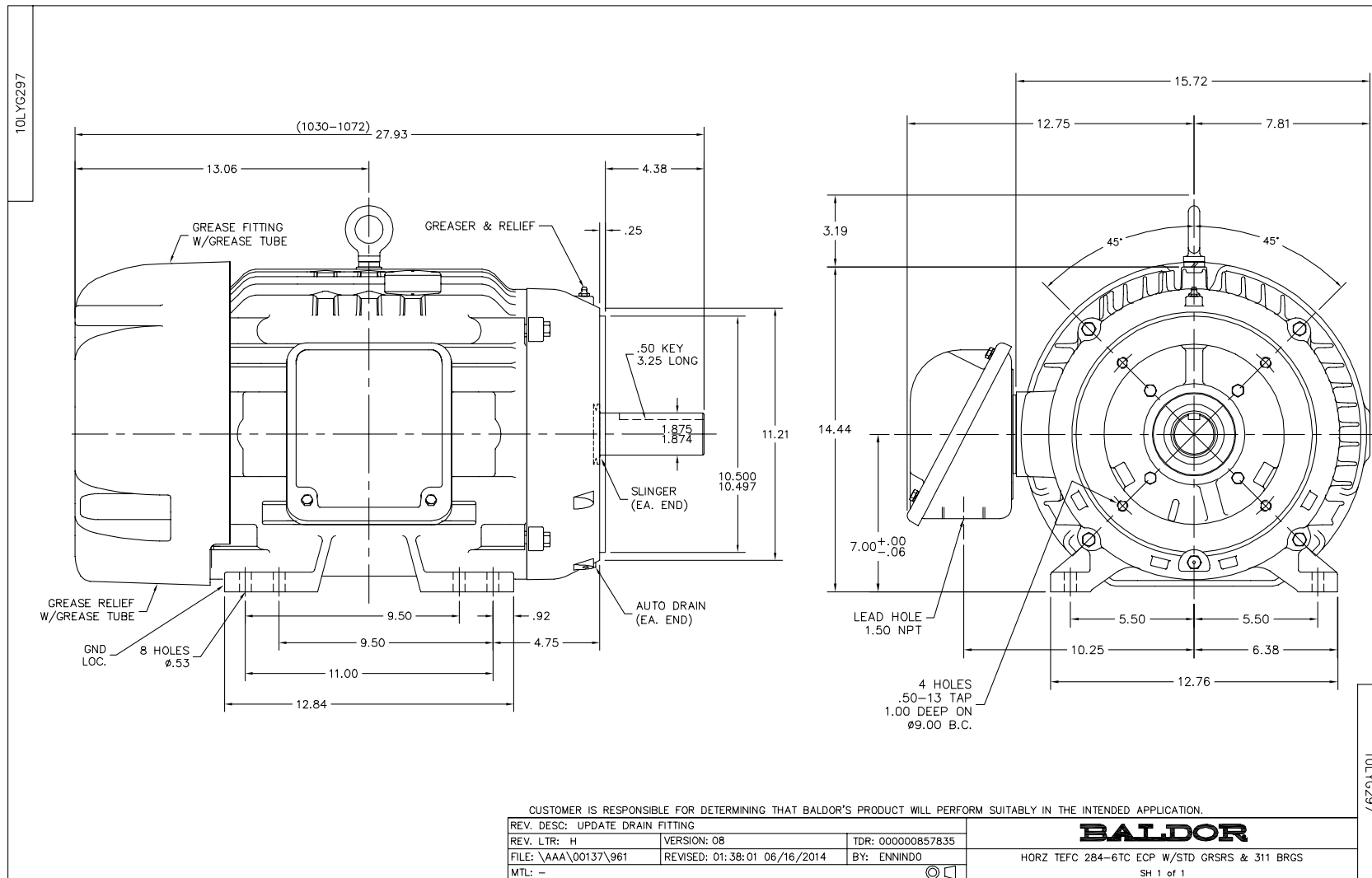
Nameplate Data				460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	30			Full Load Torque	89.2 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	35			Breakdown Torque	286 LB-FT
R.P.M.	1770			Pull-up Torque	112 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	153 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	217 A
Service Factor (S.F.)	1.15			No-load Current	12.9 A
NEMA Nom. Eff.	93.6	Power Factor	87	Line-line Res. @ 25°C	0.246 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	57°C
S.F. Amps				Temp. Rise @ S.F. Load	70°C
				Rotor inertia	4.78 LF ²

Load Characteristics 460 V, 60 Hz, 30 HP

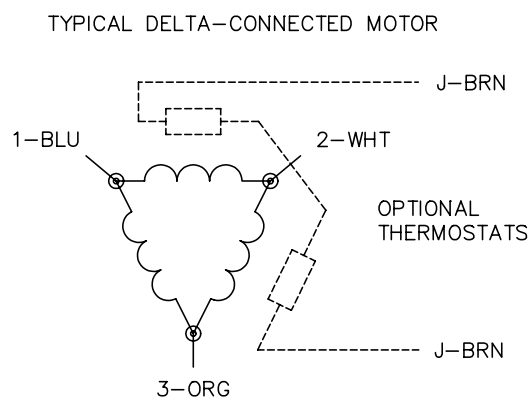
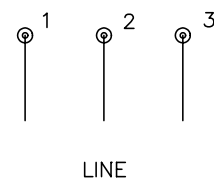
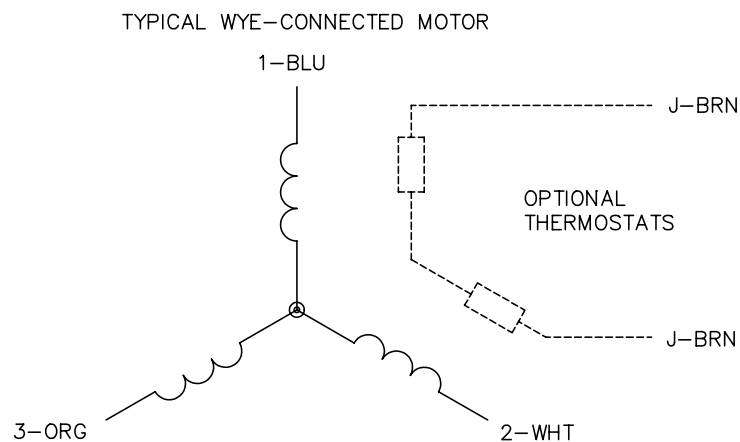
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	52	75	83	87	88	87	88
Efficiency	89.9	93.3	93.8	93.6	92.9	91.9	93.2
Speed	1790	1783	1776	1768	1760	1750	1763
Line amperes	14.9	20.2	27	34.7	43	52.7	39.7

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





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006