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Product Information Packet

EM4104T-8

30HP,1770RPM,3PH,60HZ,286T,1056M,TEFC,F1

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Part Detail							
Revision:	J	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	1056M	**Elec. Spec:**	10WGY760	**CD Diagram:**	CD0006
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	10C151	**Layout:**	10LYC151
Frame:	286T	**Mounting:**	F1	**Poles:**	04	**Created Date:**	04-29-2010
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	11-11-2015
Leads:	3#6					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP3443L

CAT.NO.	EM4104T-8			**P/N**				**ENCLOSURE**	TEFC
SPEC.	10C151Y760G1	**CC**	010A	**FRAME**	286T			**S/N**	
HP	30			**CLASS**	F	**HZ**	60		
RPM	1770			**PH**	3	**DES**	B		
VOLT	200			**KVA-CODE**	H	**ODE BRG**	6309	**DE BRG**	6311
AMP	84			**USABLE AT 208V**					
RATING	40C AMB-CONT			**NEMA-NOM-EFF**	93.6			**GREASE**	POLYREX EM
PF	83	**SER.F.**	1.15	**VPWM INVERTER READY**					
HTR-VOLTS		**HTR-AMPS**		**MAX. SPACE HEATER TEMP.**					

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Parts List

Part Number	Description	Quantity
SA194224	SA 10C151Y760G1	1.000 EA
RA181812	RA 10C151Y760G1	1.000 EA
09FN3001C02	EXTERNAL FAN, PLASTIC	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
10CB3000	STD KO BOX MODEL 310,312,314 MTRS W/2.00	1.000 EA
12GS1000SP	GASKET	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
10EP1106A01	FR ENDPLATE, MACH	1.000 EA
10XN3816K32	BOLT, 3/8-16X2 HH YZ(5)	4.000 EA
HA4017A01	1/8 X 4 GREASE EXT (F/S)	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN2520K32	1/4-20 X 2.00 HX HD SCRW GRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
10EP1105A01	PU ENDPLATE, MACH 284-6T	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
10FH4000	310 FAN HOUSING STAMPED	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	4.000 EA

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Parts List (continued)

Part Number	Description	Quantity
10CB3500	CONDUIT BOX LID, CAST	1.000 EA
10GS1000SP	GASKET, CONDUIT BOX LID	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW4600B40	V-RING SLINGER 2.000 X 2.680 X .28 VITON	1.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 LB
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.125 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP3443L	SS SUPER-E UL CSA-EEV PREM CC	1.000 EA
10PA1000	PACKAGING GROUP COMBINED PRINT PK1023A06	1.000 EA

Accessories

Part Number	Description	Multiplier
10-1305	C FACE KIT	A8
10EP1502A01SP	D-FLANGE KIT	A8

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AC Induction Motor Performance Data

Record # 30993 - Typical performance - not guaranteed values

Winding: 10WGY760-R001	**Type:** 1056M	**Enclosure:** TEFC

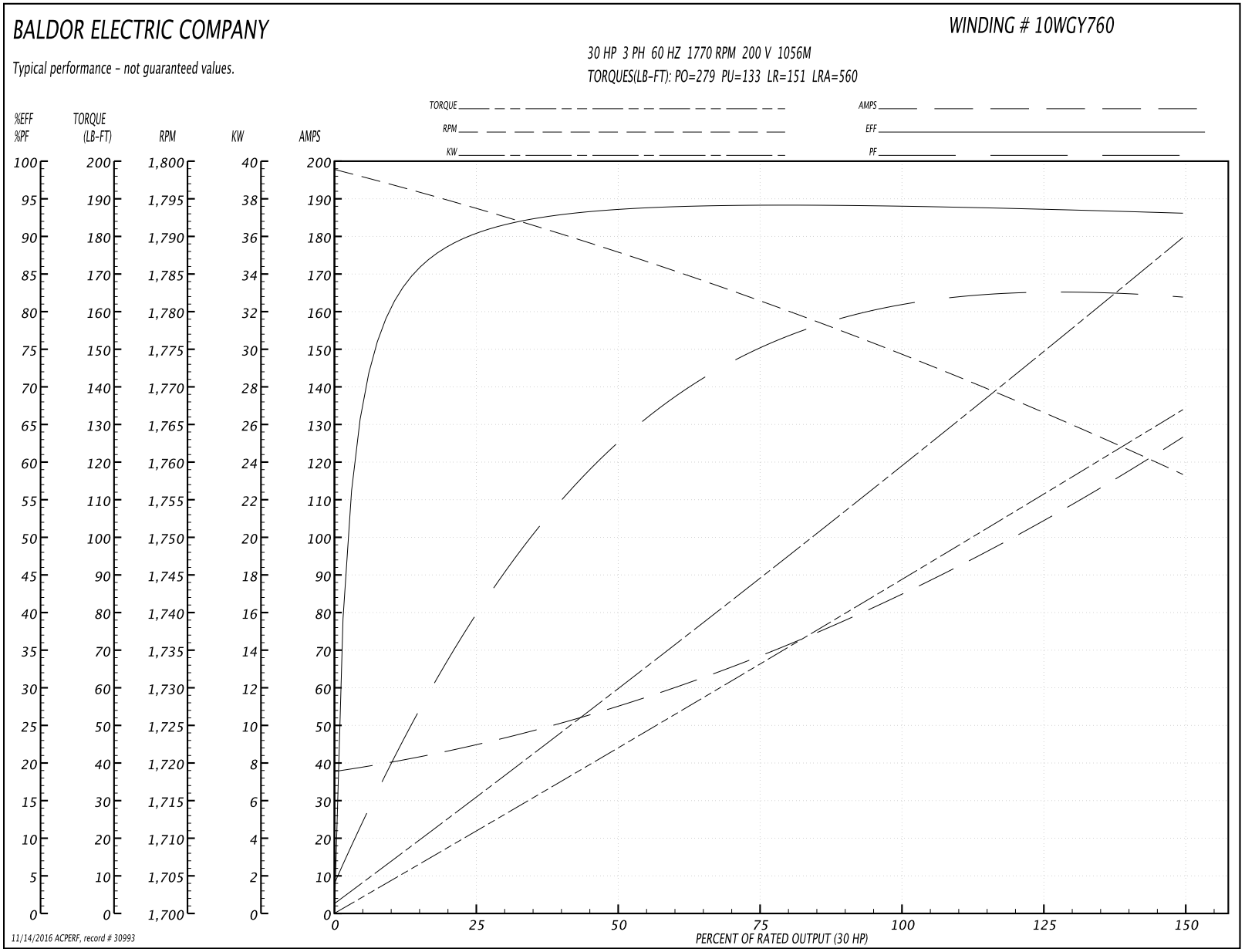
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	30			Full Load Torque	89 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	81			Breakdown Torque	279 LB-FT
R.P.M.	1770			Pull-up Torque	133 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	151 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	560 A
Service Factor (S.F.)	1.15			No-load Current	38.9 A
NEMA Nom. Eff.	93.6	Power Factor	83	Line-line Res. @ 25ºC	0.0405 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	56°C
S.F. Amps				Temp. Rise @ S.F. Load	68°C

Load Characteristics 200 V, 60 Hz, 30 HP

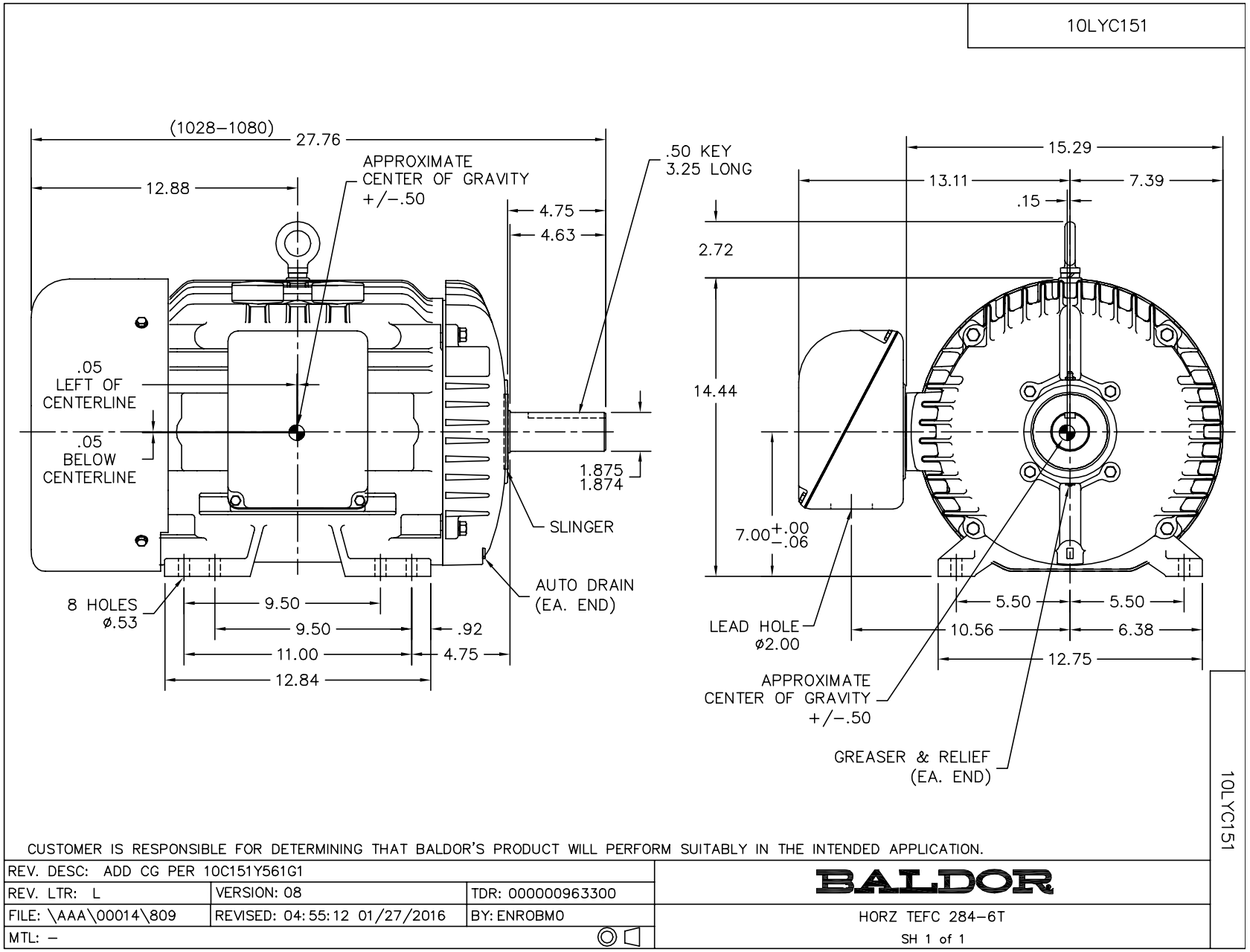
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	73	82	82	82	82
Efficiency	90.3	93.5	94.3	94.2	93.4	93.2	93.7
Speed	1794	1787	1781	1775	1767	1758	1770
Line amperes	43.2	54.6	70.6	84.3	105	126	96.7

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Performance Graph at 200V, 60Hz, 30.0HP Typical performance - Not guaranteed values



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CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

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MTL: –		

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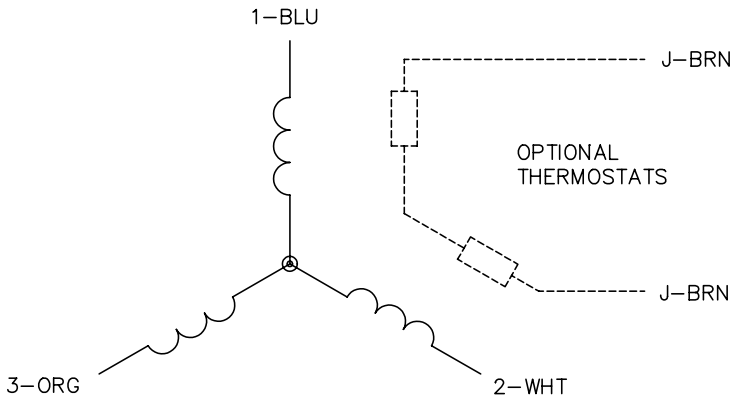
HORZ TEFC 284–6T

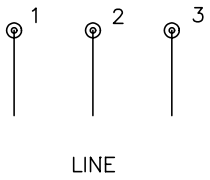
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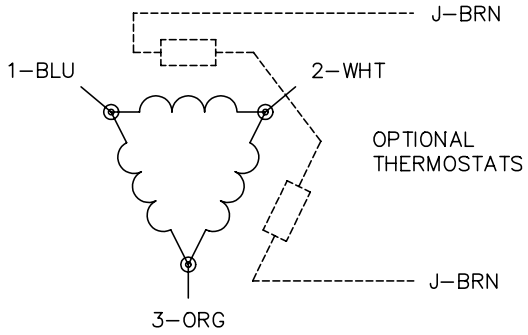
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/21/99 4:02	TDR: 0171435
9000CD		FILE: AAA00005141	MDL: –
		MTL: –	3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006

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