

BALDOR® • RELIANCE

Product Information Packet

M4104T-9

30HP,1770RPM,3PH,60HZ,286T,1058M,TEFC,F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1058M	Elec. Spec:	10WGY734	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	10J750	Layout:	10LYJ750
Frame:	286T	Mounting:	F1	Poles:	04	Created Date:	07-16-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	08-01-2014
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1261L									
CAT.NO.	M4104T-9								
SPEC.	10J750Y734H2								
HP	30								
VOLTS	208-230/460								
AMP	76-70/35								
RPM	1770								
FRAME	286T	HZ			60	PH		3	
SER.F.	1.15	CODE			G	DES		C	CLASS
NEMA-NOM-EFF	92.4	PF			86				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6311	ODE			6309				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA284712	SA 10J750Y734H2	1.000 EA
RA270977	RA 10J750Y734H2	1.000 EA
09FN3001B02	EXTERNAL FAN, PLASTIC	1.000 EA
10CB1000A09	CONDUIT BOX, MACH	1.000 EA
10GS1001	GASKET CONDUIT BOX NEOP	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
10EP1106A43	FR ENDPLATE, MACH	1.000 EA
10XN3816K32	BOLT, 3/8-16X2 HH YZ(5)	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
HW4600B67	FORSHEDA #V45A FACE SEAL	1.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	2.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	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
HW4600B40	V-RING SLINGER 2.000 X 2.680 X 0.280	4.000 EA
HA1005A04SP	SLINGER, OD 3.620, ID 1.98,	1.000 EA
10FH4000SP	310 FAN HOUSING STAMPED	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	4.000 EA
10CB1500A01SP	CONDUIT BOX LID, MACH	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
MJ5002A01	SILICON RUBBER SEALANT, 732CL 10.3 OZ TU	0.020 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HA4017A01	1/8 X 4 GREASE EXT (F/S)	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
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
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	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.070 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0005E02	SPL CONN.DIA./WARN.LABEL(LC0005/LB1119)	1.000 EA
NP1261L	SS, UL CSA CC, W/O THERMAL, LASER	1.000 EA
10PA1000	PACKAGING GROUP COMBINED PRINT PK1023A06	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 31209 - Typical performance - not guaranteed values

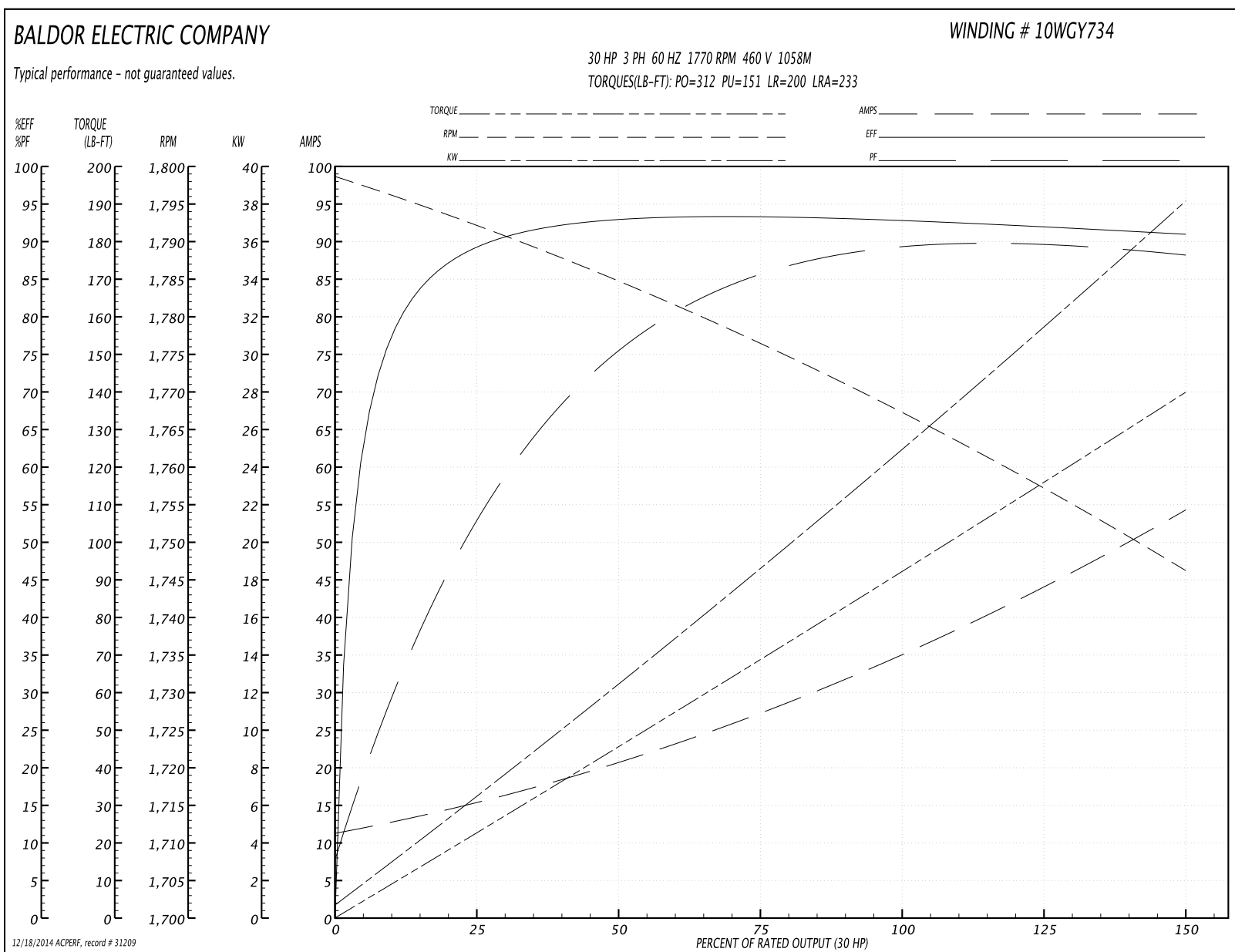
Winding: 10WGY734-R001	Type: 1058M	Enclosure: TEFC
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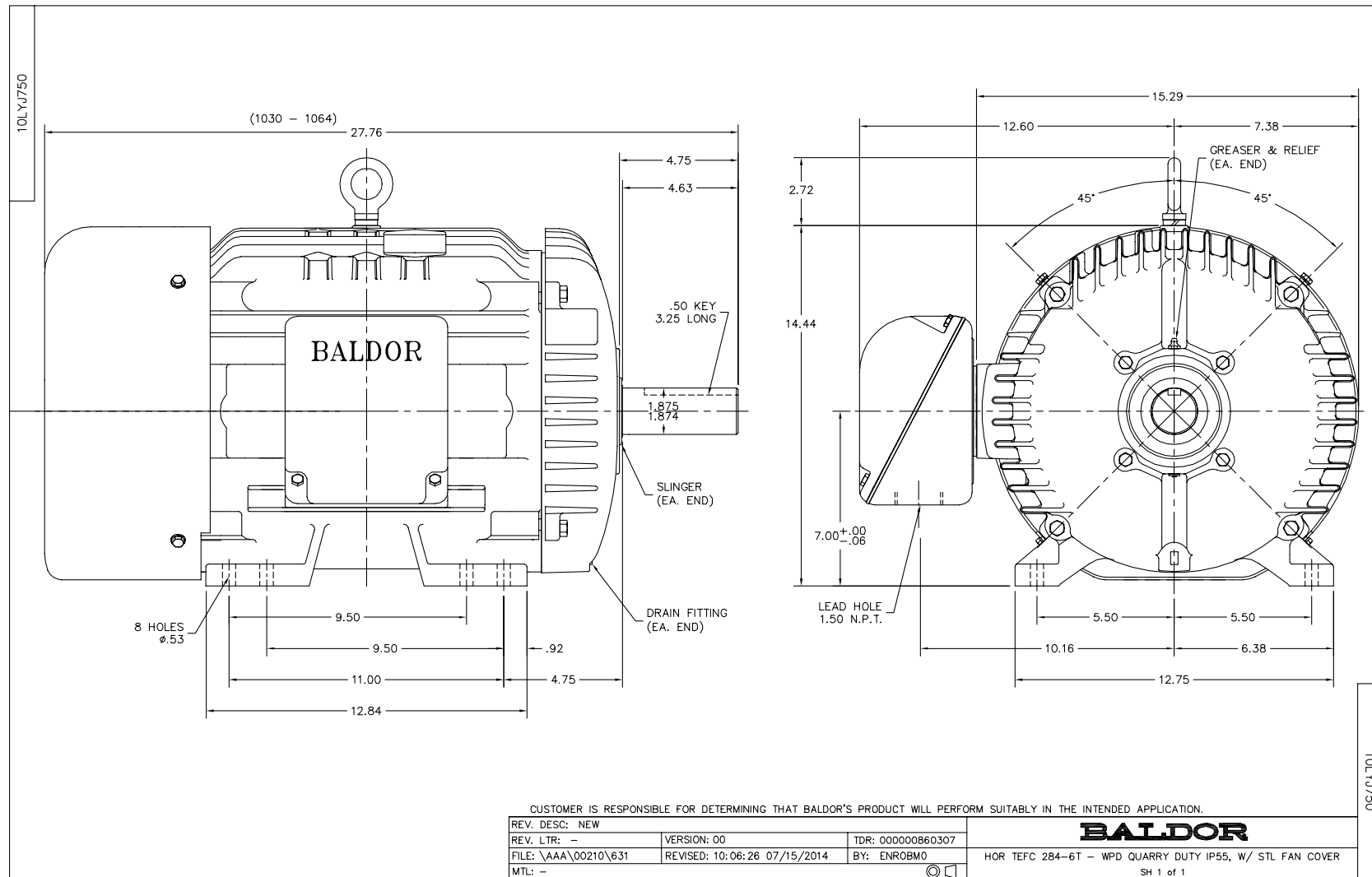
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	30			Full Load Torque	89.4 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	76-70/35			Breakdown Torque	312 LB-FT
R.P.M.	1770			Pull-up Torque	151 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	200 LB-FT
NEMA Design Code	C	KVA Code	G	Starting Current	233 A
Service Factor (S.F.)	1.15			No-load Current	11.9 A
NEMA Nom. Eff.	92.4	Power Factor	86	Line-line Res. @ 25°C	0.234 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	76°C
				Rotor inertia	4.62 LF ²

Load Characteristics 460 V, 60 Hz, 30 HP

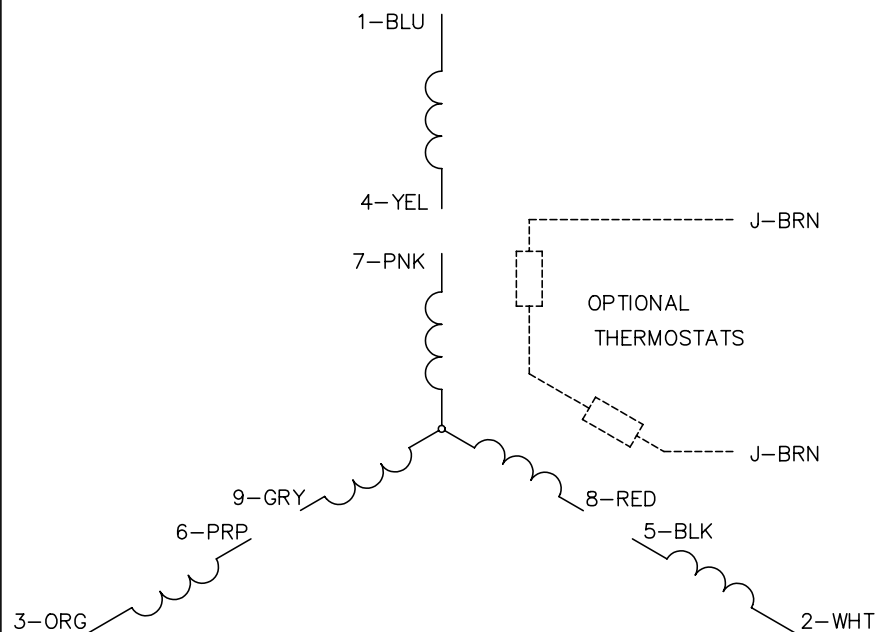
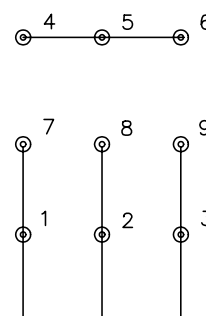
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	76	85	88	89	89	89
Efficiency	88.5	92.5	93.5	93.1	92.1	90.9	92.5
Speed	1792	1785	1777	1769	1759	1746	1763
Line amperes	14.5	19.9	26.8	34.5	42.9	53.9	39.5

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

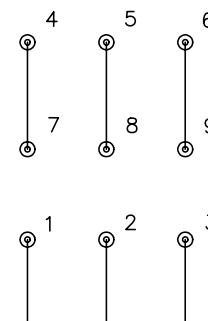




CD0005


 LOW VOLTAGE
(2Y)


LINE

 HIGH VOLTAGE
(1Y)


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: E BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005