

BALDOR® • RELIANCE

Product Information Packet

GDM3710T

7.5HP,1770RPM,3PH,60HZ,213TZ,3731M,TEFC

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3731M	Elec. Spec:	37WGS150	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37N385	Layout:	37LYN385
Frame:	213TZ	Mounting:	F1	Poles:	04	Created Date:	01-03-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-08-2014
Leads:	9#14 72" LONG Y					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1279L									
CAT.NO.	GDM3710T								
SPEC.	37N385S150H1								
HP	7.5								
VOLTS	208-230/460								
AMP	22-20.2/10.1								
RPM	1770								
FRAME	213TZ	HZ			60	PH	3		
SER.F.	1.15	CODE			K	DES	A	CL	F
NEMA-NOM-EFF	89.5	PF			77				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6307	ODE			6206				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA274988	SA 37N385S150H1	1.000 EA
RA261570	RA 37N385S150H1	1.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3000SP	CONDUIT BOX, CAST, W/1.089/1.100 CAST LE	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
37EP3101A04	FR ENDPLATE, MACH	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3100A42	37 PU EP ENCL 307 BRG W/SEAL, NO GRSR	1.000 EA
HW4600B51SP	SEAL 1.375 X 2.125 X 0.313 SINGLE LIP DB	1.000 EA
HW4600B33	V-RING SLINGER 1.375 X 1.890 X 0.350	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007A07	IEC FH NO GRSR, NOTCH @ 6:00 & 3 F/C HOL	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F32	KEY, 5/16 SQ X 3.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025C02	RAL6081, LIGHT SUPER TAN, GLOSS 85,	0.028 GA
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
NP1279L	ALUM FARM DUTY UL CSA CC	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data

Record # 22653 - Typical performance - not guaranteed values

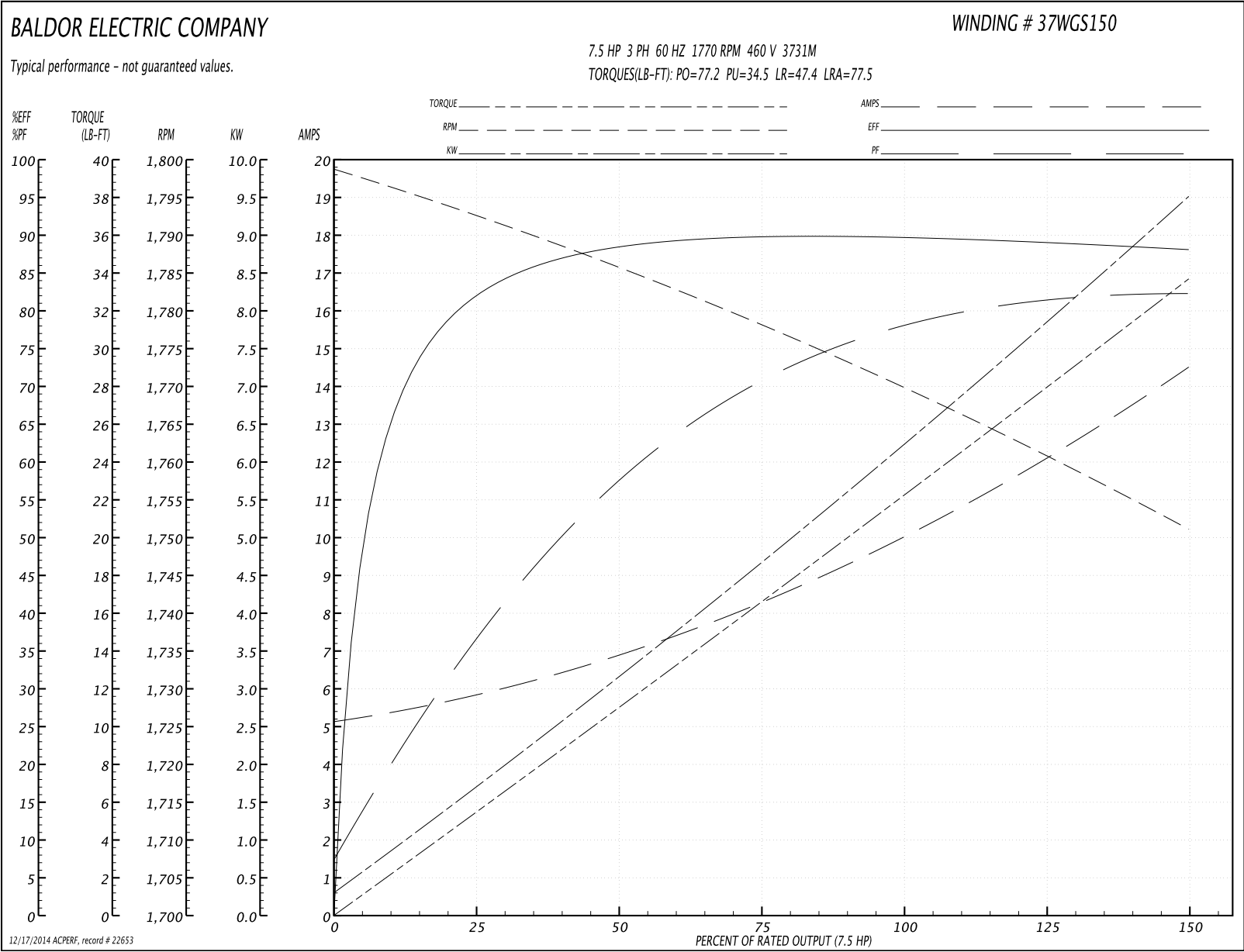
Winding: 37WGS150-R001	Type: 3731M	Enclosure: TEFC
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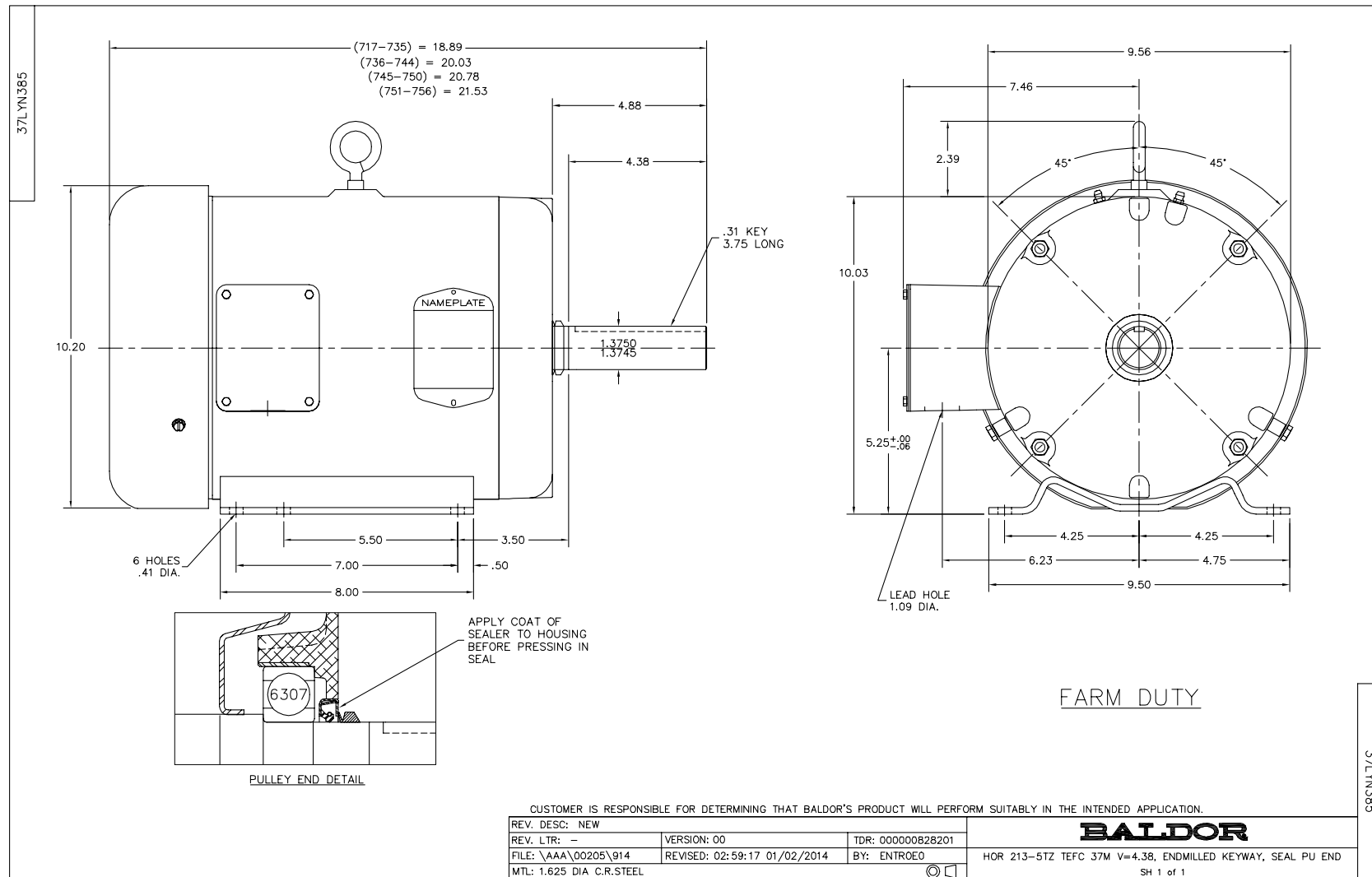
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	22.2 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	22-20.2/10.1			Breakdown Torque	77.2 LB-FT
R.P.M.	1770			Pull-up Torque	34.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	47.4 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	77.5 A
Service Factor (S.F.)	1.15			No-load Current	5.25 A
NEMA Nom. Eff.	89.5	Power Factor	77	Line-line Res. @ 25°C	1.37 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
S.F. Amps				Temp. Rise @ S.F. Load	87°C
				Rotor inertia	0.762 LF ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

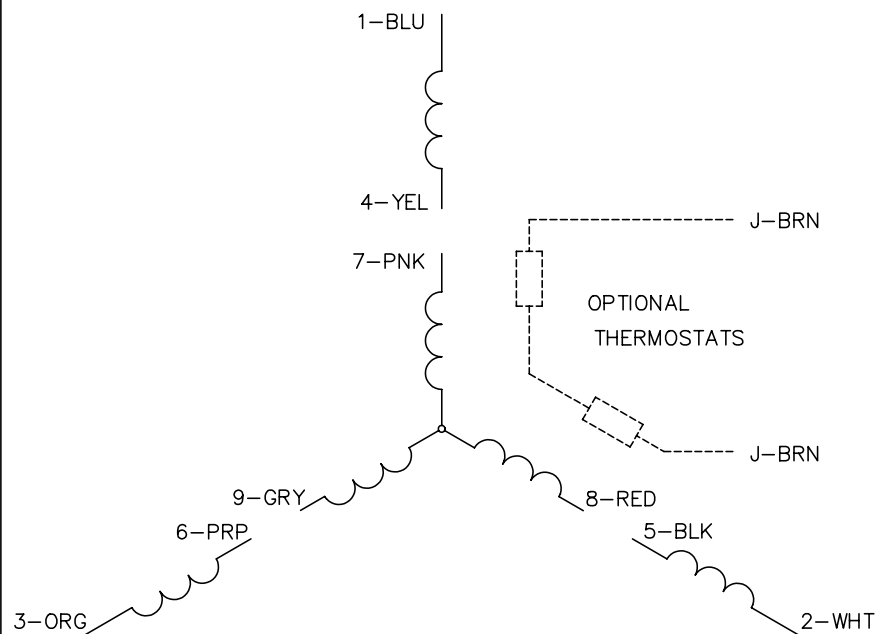
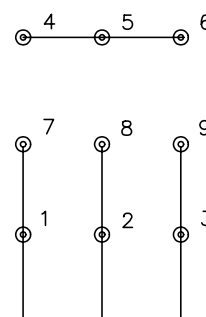
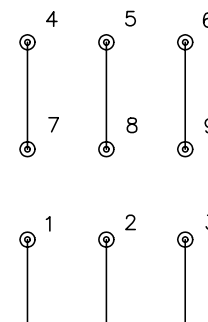
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	58	71	77	81	83	79
Efficiency	81.8	88.1	89.7	89.8	89.2	88.1	89.4
Speed	1792	1786	1778	1770	1761	1751	1765
Line amperes	5.72	6.78	8.33	10.1	12.2	14.4	11.4

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





CD0005

LOW VOLTAGE
(2Y)HIGH VOLTAGE
(1Y)

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