

BALDOR® • RELIANCE

Product Information Packet

ECR9074T

7.5HP,1760RPM,3PH,60HZ,213T,0748M,TEFC,F

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0748M	Elec. Spec:	07WGR837	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	07N167	Layout:	07LYN167
Frame:	213T	Mounting:	F1	Poles:	04	Created Date:	01-22-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-20-2017
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3294E

CAT NO	ECR9074T			
SPEC.	07N167R837G1		ENCL	TEFC
FRAME	213T	HP	7.5	
VOLTS	230/460			
FLA	18.6/9.3		I.P.	55
RPM	1760	RPM MAX	2700	
HZ	60	PH	3	CLASS F
SER.F.	1.25	DES	A	CC 010A
NEMA-NOM-EFF	91.7			
RATING	40C AMB-CONT			
DE BRG	6309	ODE BRG	6307	
GREASE	POLYREX EM			
INV.TYPE	PWM	C HP FR	60	C HP TO 90
CT HZ FROM	6	CT HZ TO	60	VT HZ FROM 6
SER.NO				
	SFA 22.4/11.2			
				VT HZ TO 60

Parts List		
Part Number	Description	Quantity
SA293638	SA 07N167R837G1	1.000 EA
RA279731	RA 07N167R837G1	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
09CB1002A05G	CONDUIT BOX, 1.00 N.P.T. (GRAY)	1.000 EA
RM1017	LEAD SEPERATOR GASKET MODEL 307 1/8" THK	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	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
37EP1101A55G	FR EP 07 BRG W/GRS, RELIEF, DRAIN (GRAY	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
37EP1111A04G	PULLEY ENCL 309 BRG W/GRSR,RELf & LOCKED	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
10XN2520A26	1/4-20X 1 5/8 HEX HD	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH1001A01G	SPL FAN HOUSING, 307, W/GREASER, GRAY EP	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN2520A28	1/4-20X 1 3/4 HEX HD	3.000 EA
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 EA
12CB1503A03G	CONDUIT BOX LID, MACH (GRAY), WITH LIP	1.000 EA
09GS1013A01	09 GS FOR 09CB3501 LID - BLACK NEOPRENE	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW4600C51	31X39X7.5MM FACE SEAL FOR 1.375 DIA. SH	1.000 EA
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3104A32	THRUBOLT- 5/16-18 X12.750	4.000 EA
MG1025G96	WILKOFASST SG, 779.7048, MOUSE GRAY #7048	0.036 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3294E	SS CRUSHER DUTY INV UL CSA-C US EEV	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 49026 - Typical performance - not guaranteed values

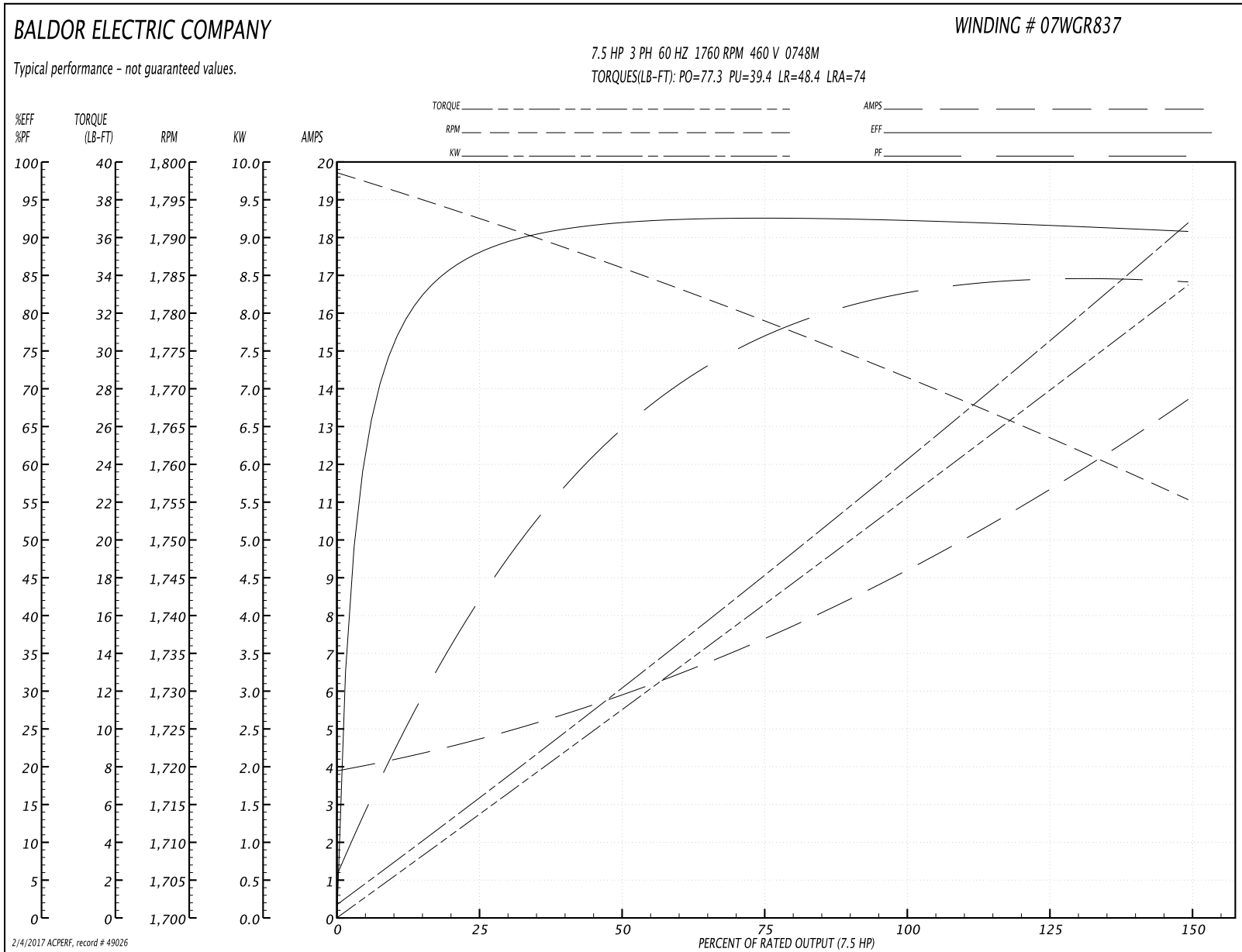
Winding: 07WGR837-R001	Type: 0748M	Enclosure: TEFC
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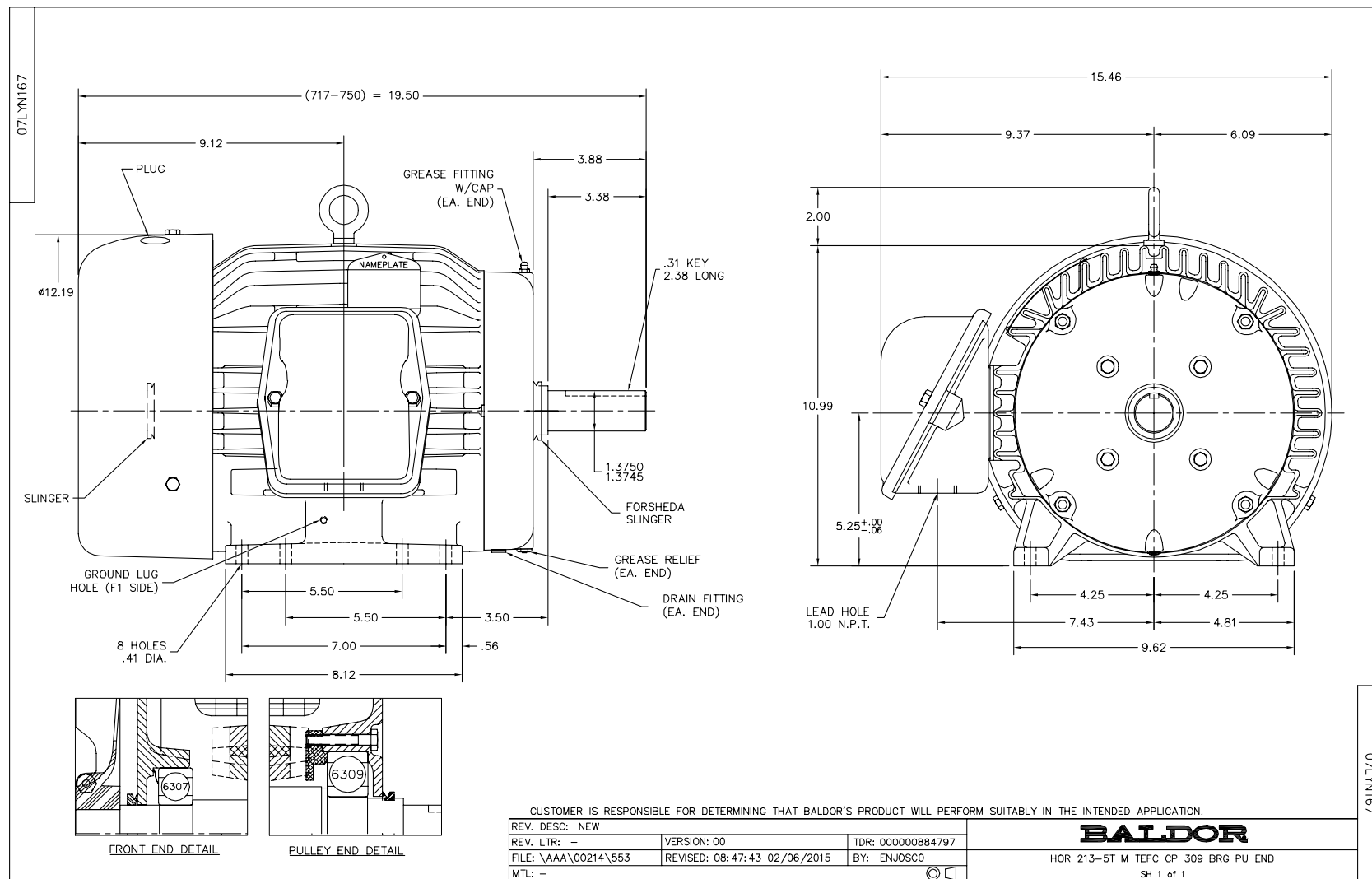
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	22.1 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	18.6/9.3			Breakdown Torque	77.3 LB-FT
R.P.M.	1760			Pull-up Torque	39.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	48.4 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	74 A
Service Factor (S.F.)	1.25			No-load Current	4.04 A
NEMA Nom. Eff.	91.7	Power Factor	85	Line-line Res. @ 25°C	1.26 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	38°C
S.F. Amps	22.4/11.2			Temp. Rise @ S.F. Load	52°C
				Locked-rotor Power Factor	37.9
				Rotor inertia	1.18 LB-FT ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

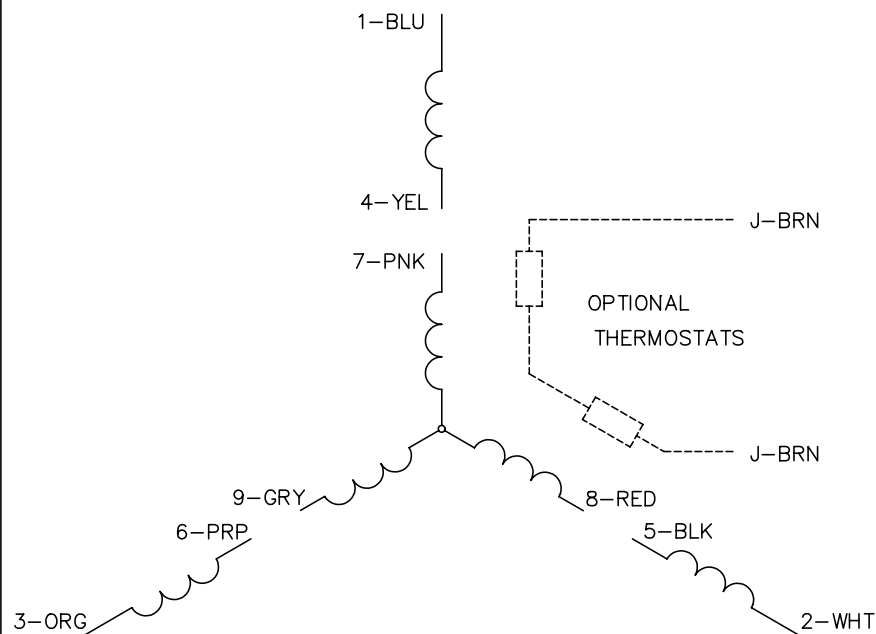
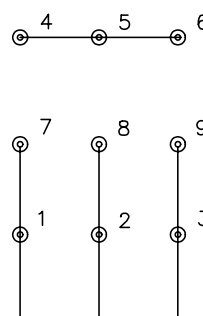
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	66	77	81	84	85	84
Efficiency	87.5	91.9	92.5	92.5	91.7	90.8	91.8
Speed	1792	1786	1779	1772	1764	1755	1765
Line amperes	4.54	5.79	7.38	9.28	11.4	13.6	11.4

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

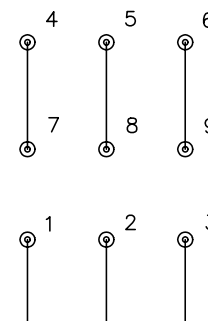




CD0005


 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