

BALDOR® • ***RELIANCE***

Product Information Packet

GDL3770T

7.5HP,1750RPM,1PH,60HZ,215TZ,0743LC,TEFC

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0743LC	Elec. Spec:	07WGR851	CD Diagram:	CD1084
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	07N243	Layout:	
Frame:	215TZ	Mounting:	F1	Poles:	04	Created Date:	08-31-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-03-2016
Leads:	2#10 A PH,2#14 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1279L										
CAT.NO.	GDL3770T									
SPEC.	07N243R851G1									
HP	7.5									
VOLTS	230									
AMP	29.6									
RPM	1750									
FRAME	215TZ			HZ	60		PH	1		
SER.F.	1.15		CODE	G	DES	L		CL	F	
NEMA-NOM-EFF	85.5		PF	96						
RATING	40C AMB-CONT									
CC							USABLE AT 208V			
DE	6307			ODE	6206					
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA306972	SA 07N243R851G1	1.000 EA
RA294248	RA 07N243R851G1	1.000 EA
OC3040F09SP	CYL OIL CAP 40MFD/370V	2.000 EA
RE5029	MARS 91423 DOUBLE POLE 230-240V CONTACTO	1.000 EA
EC1189C06SP	ELEC CAP, 189-227 MFD, 250V, 2.06D X 4.	4.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
09CB3801A01	SPL CAPACITOR BOX ADAPTER	1.000 EA
09GS1003	ADAPTER GASKET MODEL 309 MOTORS	1.000 EA
19XW2520A16	SCREW,1/4-20X1 TAPTITE-II OR ROLOC 91	4.000 EA
HA7010A02	LEAD WIRE RETENTION CLAMP 2.50"	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
37CB3804A57	CAPAC. BOX 37 MOTORS FOR 6-7 CAPAC. W/RE	1.000 EA
37GS3015	GASKET, CAPAC BOX	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 EA
HA6003A47	CAPAC CLAMP	2.000 EA
HA6003A45	CAPAC CLAMP - CLIP (WHITE ZINC PLATED)	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	4.000 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
37EP1100E09	SPL FR ENDPLATE -TEFC- L/LC	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
NS2539	INSULATOR FOR 37 FRAMESWITCH (MH1011A10)	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
37EP1101D15	PUEP 307 LOCKED BRG, SEAL NO DRAIN	1.000 EA
HW4600B51	SEAL 1.375 X 2.125 X 0.313 SINGLE LIP DB	1.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
07FH4007A07	IEC FH NO GRSSR, NOTCH @ 6:00 & 3 F/C HOL	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
37CB4509	CAPAC BOX LID, STAMPED	1.000 EA
37GS3016	GASKET, CAPAC BOX LID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	6.000 EA
HA1005A02	SLINGER, OD 2.00, ID 1.14, 206 BRG,	1.000 EA
HW4600B33	V-RING SLINGER 1.375 X 1.890 X .35 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
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
MG1025C02	WILKOFASST SG, 787.105, TAN	0.017 GA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
HA3104A32	THRUBOLT- 5/16-18 X12.750	4.000 EA
SP5172A06	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	1.000 EA
NP1279L	ALUM FARM DUTY UL CSA CC	1.000 EA

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07PA1099	PKGP CRATE OPEN 210T 28X22-1/2X17-1/2	1.000 EA
10XL3808A28	3/8 X 1 3/4" LAG SCREW	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

AC Induction Motor Performance Data
Record # 54919 - Typical performance - not guaranteed values

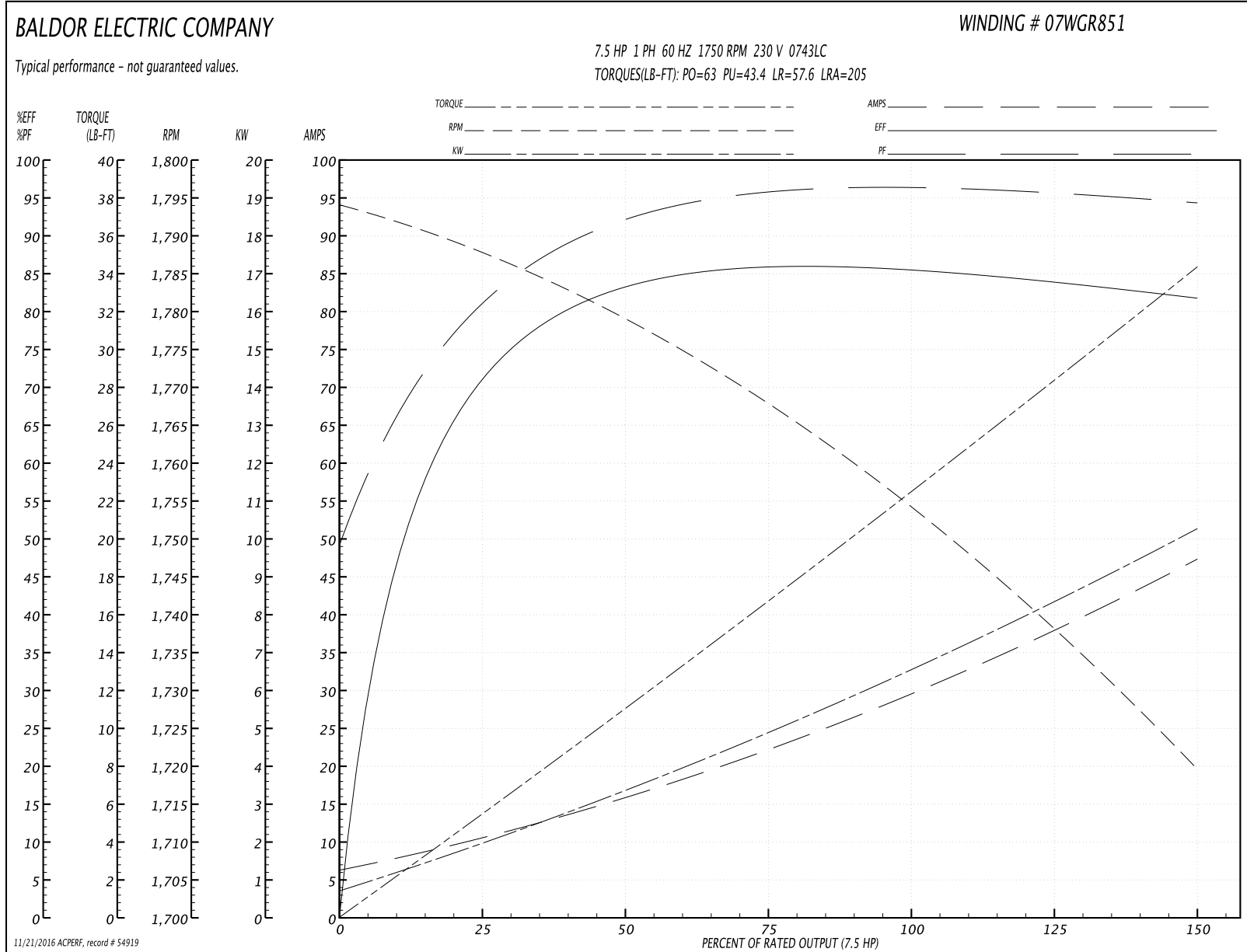
Winding: 07WGR851-R001	Type: 0743LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5			Full Load Torque	22.5 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	29.6			Breakdown Torque	63 LB-FT
R.P.M.	1750			Pull-up Torque	43.4 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	57.6 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	205 A
Service Factor (S.F.)	1.15			No-load Current	6.5 A
NEMA Nom. Eff.	85.5	Power Factor	96	Line-line Res. @ 25°C	0.25082 Ω A Ph 0.73066 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	72°C
S.F. Amps				Temp. Rise @ S.F. Load	89°C

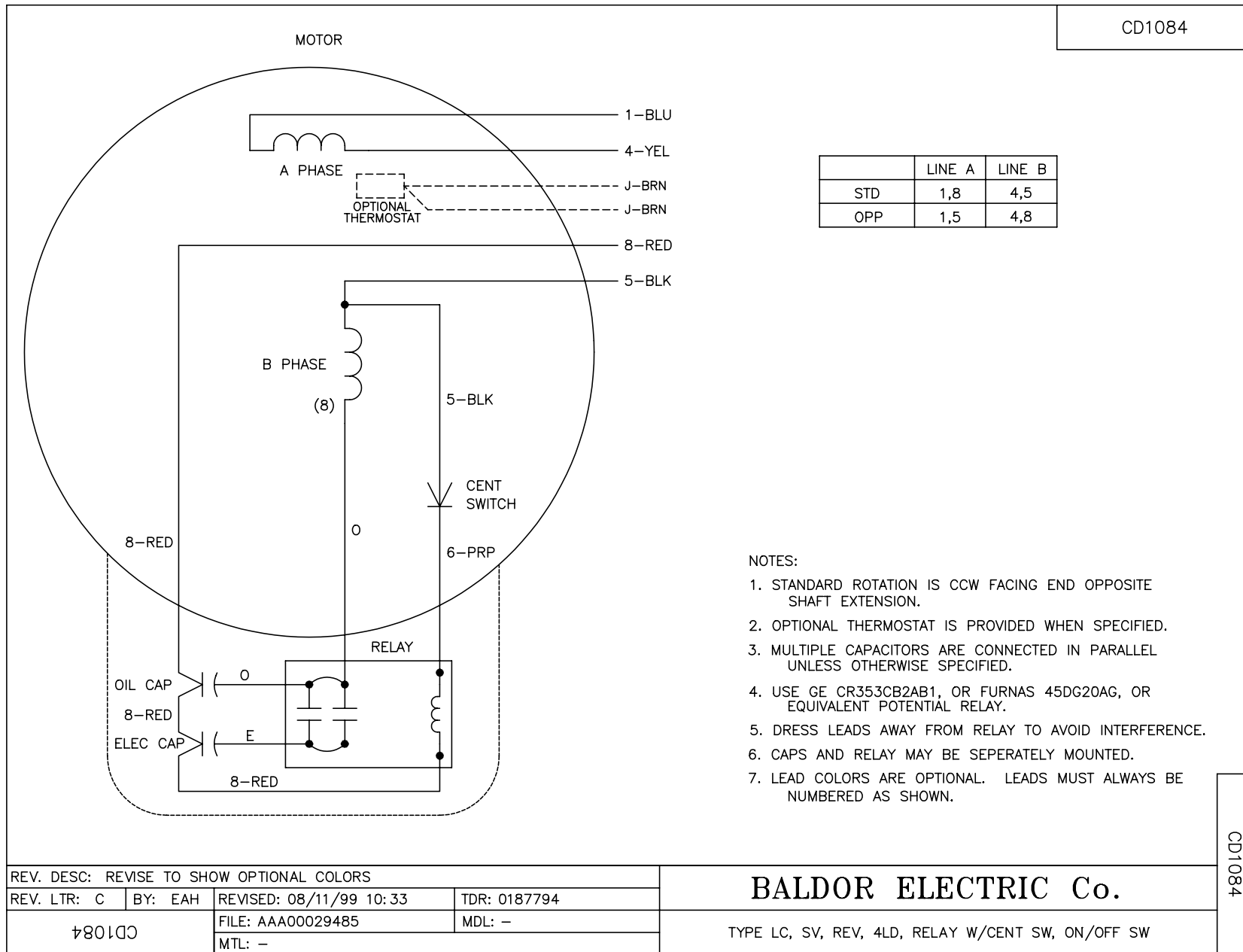
Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	86	93	95	96	96	95	96
Efficiency	70.5	82.3	85.7	85.9	84.4	81.4	85
Speed	1788.6	1778.5	1767.2	1754.5	1739.1	1719.1	1745
Line amperes	10.1	16	22.4	29.6	37.7	47.4	34.5

Performance Graph at 230V, 60Hz, 7.5HP Typical performance - Not guaranteed values



CD1084



REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: EAH	REVISED: 08/11/99 10:33	TDR: 0187794
†8010C		FILE: AAA00029485	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, 4LD, RELAY W/CENT SW, ON/OFF SW

CD1084