

BALDOR® • RELIANCE

Product Information Packet

CEM7047T

7.5//5HP,1770//1470RPM,3PH,60//50HZ,213T

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3736M	Elec. Spec:	37WGT859	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	37H238	Layout:	37LYH238
Frame:	213TC	Mounting:	F1	Poles:	04	Created Date:	08-04-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	08-15-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSL						
NO.		CC	010A			
SER.						
SPEC.	37H238T859G1					
CAT.NO.	CEM7047T					
HP	7.5//5	T. CODE	T3C			
VOLTS	230/460//190/380					
AMPS	18.8/9.4//16/8					
RPM	1770//1470					
HZ	60//50	PH	3	CL	B	
SER.F.	1.00	DES	A	CODE	J	
RATING	40C AMB-CONT					
FRAME	213TC	NEMA-NOM-EFF	91.7			
USABLE AT 208V	21	PF	81			
BLANK						

Parts List		
Part Number	Description	Quantity
SA200988	SA 37H238T859G1	1.000 EA
RA188293	RA 37H238T859G1	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 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
37EP1102A01	STD FR EP, XPFC	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP1700A01	PU EP, XPFC, 213-5TC	1.000 EA
12XN2520A26	HX HD .25-20X1.625 ZN PLT	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW4001A02	3/8 HX SOC PIPE PLUG W/.75" TAPER (F/S)	2.000 EA
60XN1032A07	10-32 X 1/2 TRUSS HEAD, TORX SERRATED ZN	2.000 EA
37FH2000A01SP	STD XPROOF FAN COVER	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 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	6.000 EA
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.028 GA
HA3106A04	THRUBOLT- 1/2-13 X 12.625	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1426XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 35796 - Typical performance - not guaranteed values

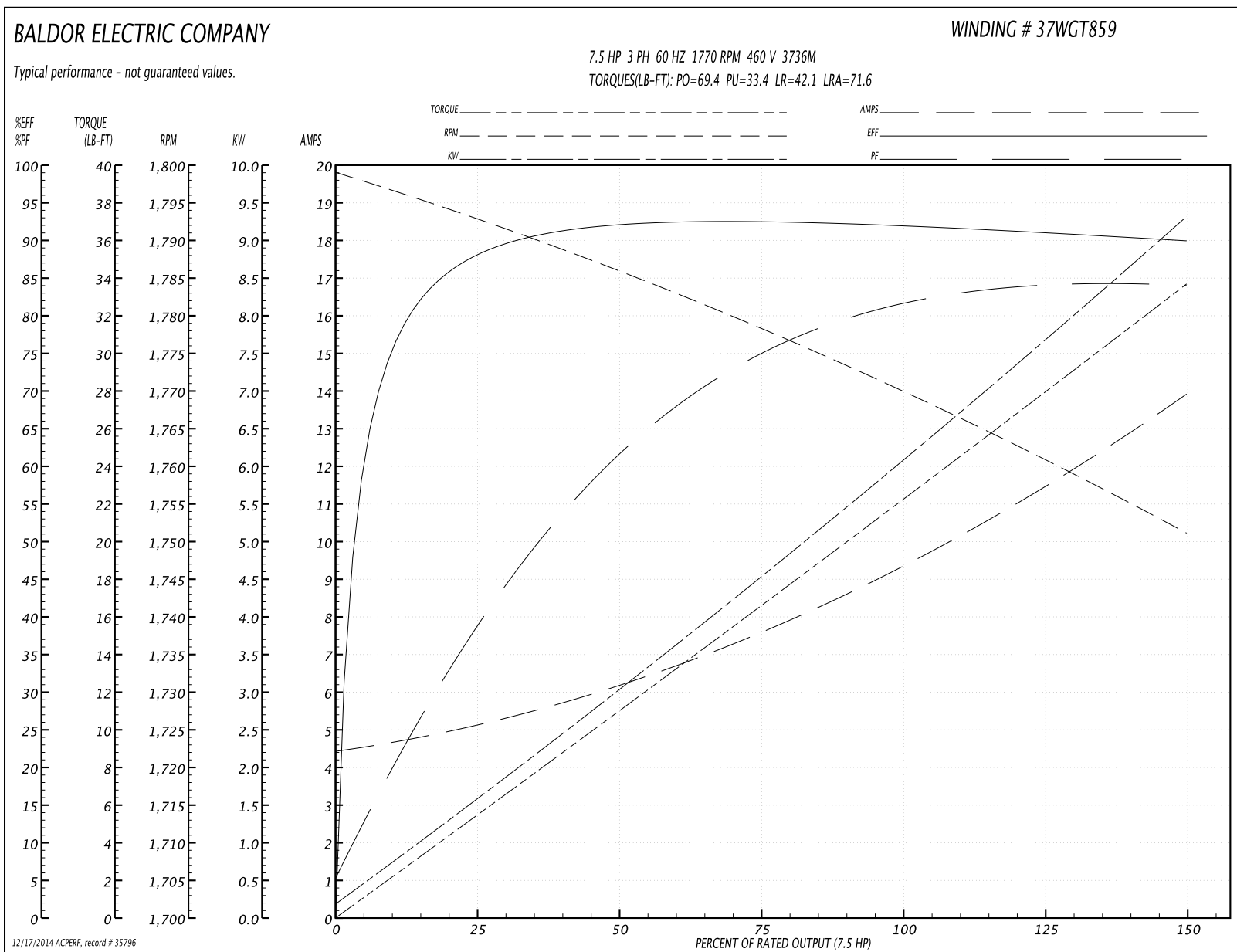
Winding: 37WGT859-R026	Type: 3736M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5//5			Full Load Torque	22.3 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	18.8/9.4//16/8			Breakdown Torque	69.4 LB-FT
R.P.M.	1770//1470			Pull-up Torque	33.4 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	42.1 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	71.6 A
Service Factor (S.F.)	1			No-load Current	4.46 A
NEMA Nom. Eff.	91.7	Power Factor	81	Line-line Res. @ 25°C	1.36 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	53°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C
				Rotor inertia	0.885 LF ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	39	62	75	81	84	84
Efficiency	87.9	91.6	92.4	92.2	91.3	89.8
Speed	1793	1786	1778	1770	1761	1751
Line amperes	5.1	6.13	7.62	9.39	11.5	13.9

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

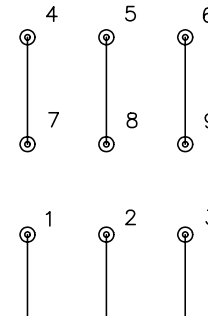




CD0005

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