

BALDOR® • RELIANCE

Product Information Packet

CEM7073T

7.5HP,3450RPM,3PH,60HZ,184TC,3646M,XPFC

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646M	Elec. Spec:	36WGS428	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	36N018	Layout:	36LYN018
Frame:	184TC	Mounting:	F1	Poles:	02	Created Date:	08-04-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-01-2016
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0015XPSLEV

NO.		CC	010A
SER.			
SPEC.	36N018S428G1		
CAT.NO.	CEM7073T		
HP	7.5	T. CODE	T2C
VOLTS	230/460		
AMPS	16.8/8.4		
RPM	3450		
HZ	60	PH	3
SER.F.	1.00	DES	A
RATING	40C AMB-CONT	CL	B
FRAME	184TC	CODE	L
USABLE AT 208V	18.5	NEMA-NOM-EFF	89.5
BLANK		PF	93

Parts List		
Part Number	Description	Quantity
SA200697	SA 36N018S428G1	1.000 EA
RA188008	RA 36N018S428G1	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	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3700A01	FR ENDPLATE, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1703A01	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HW4001A01	1/4 HX SOC PIPE PLG (F/S) ALLOY STEEL W/	2.000 EA
60XN1032A07	10-32 X 1/2 TRUSS HEAD, TORX SERRATED ZN	2.000 EA
36FH4009A02	FAN COVER FOR VM7042T,PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	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	6.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A04SP	EXFN, PLASTIC, 6.376 OD, .906 ID W/KEY	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.022 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3105A09	THRUBOLT 3/8-16 X 12.000	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0015XPSLEV	SS XP UL CSA-EEV CC CL-I GP-D	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 35731 - Typical performance - not guaranteed values

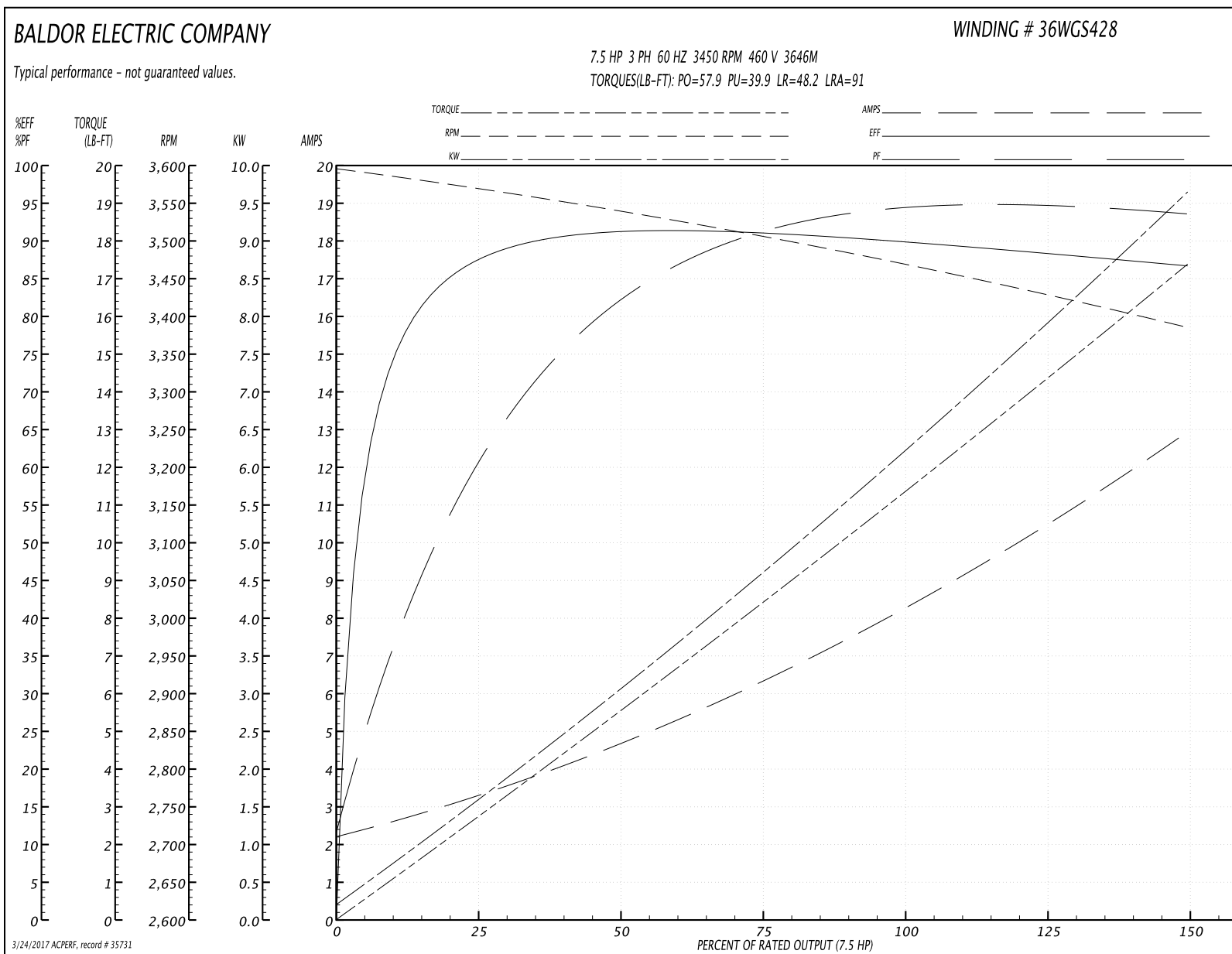
Winding: 36WGS428-R004	Type: 3646M	Enclosure: XPFC
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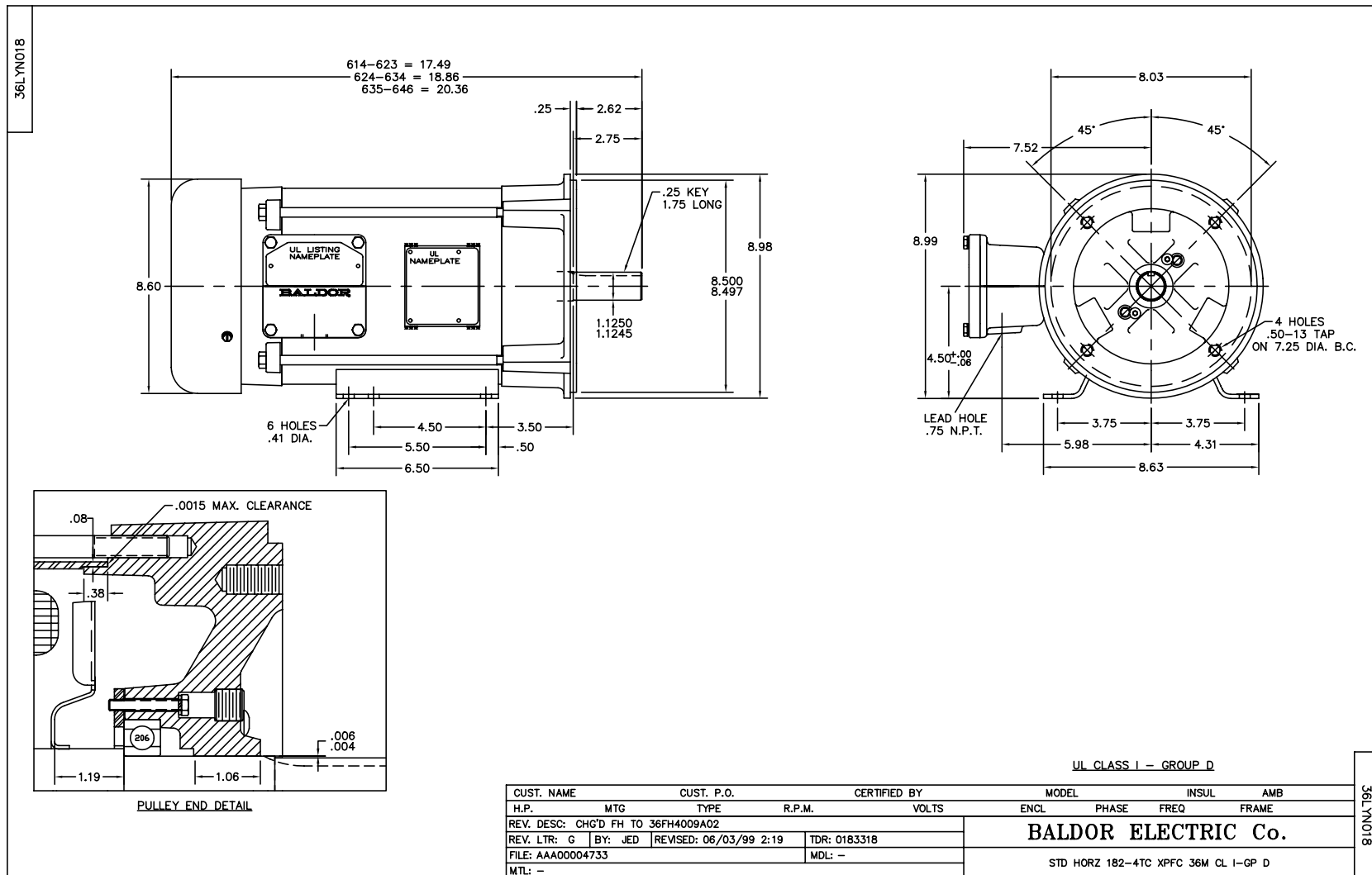
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	11.4 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	16.8/8.4			Breakdown Torque	57.9 LB-FT
R.P.M.	3450			Pull-up Torque	39.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	48.2 LB-FT
NEMA Design Code	A	KVA Code	L	Starting Current	91 A
Service Factor (S.F.)	1			No-load Current	2.33 A
NEMA Nom. Eff.	89.5	Power Factor	93	Line-line Res. @ 25°C	1.43 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	74°C
				Locked-rotor Power Factor	44
				Rotor inertia	0.205 LB-FT ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

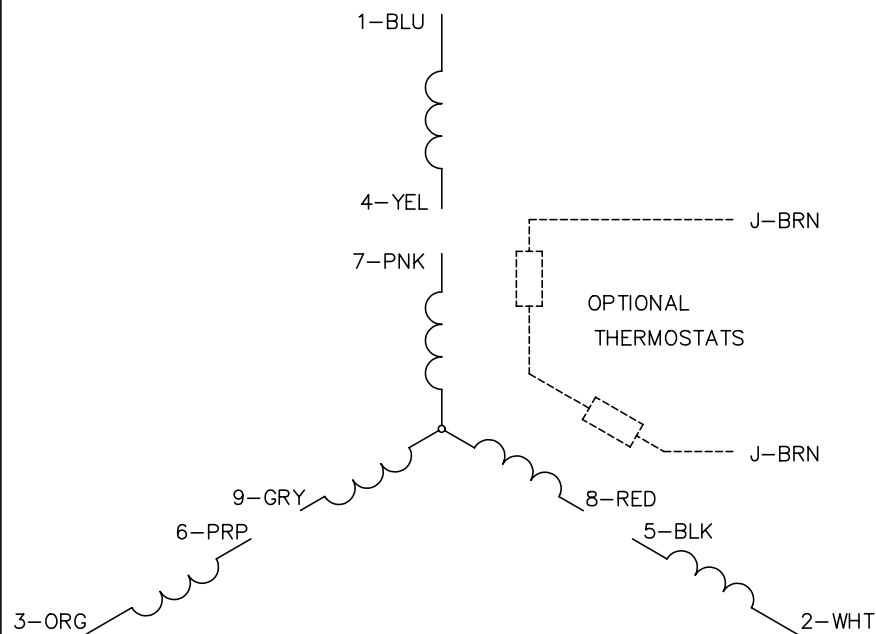
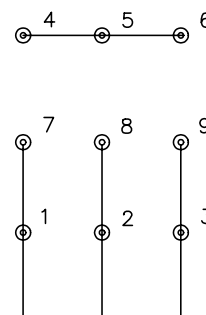
% of Rated Load	25	50	75	100	125	150
Power Factor	64	85	90	93	94	94
Efficiency	86.9	90.6	91	90.1	88.8	86.5
Speed	3571	3539	3505	3468	3429	3385
Line amperes	3.14	4.59	6.43	8.43	10.5	12.9

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

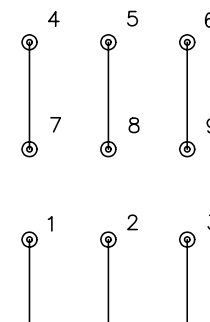




CD0005

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

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005