

BALDOR® • RELIANCE

Product Information Packet

EM7037T-5

2HP,1755RPM,3PH,60HZ,145T,3528M,XPFC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGN956	CD Diagram:	CD0006
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	35E362	Layout:	35LYE362
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	06-21-2013
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	08-21-2014
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSL						
NO.		CC	010A			
SER.						
SPEC.	35E362N956G1					
CAT.NO.	EM7037T-5					
HP	2	T. CODE	T3C			
VOLTS	575					
AMPS	2.3					
RPM	1755					
HZ	60	PH	3	CL	B	
SER.F.	1.00	DES	B	CODE	L	
RATING	40C AMB-CONT					
FRAME	145T	NEMA-NOM-EFF	86.5			
USABLE AT 208V		PF	75			
BLANK						

Parts List		
Part Number	Description	Quantity
SA265142	SA 35E362N956G1	1.000 EA
RA251846	RA 35E362N956G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	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
35EP3700A01SP	FR ENDPLATE, XPFC	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3701A01	PU ENDPLATE, XPFC - 205 BRG	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A01SP	IEC FH NO GREASER W/AUTOPHORETIC 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
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.017 GA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
LB1119N	WARNING LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1426XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 42577 - Typical performance - not guaranteed values

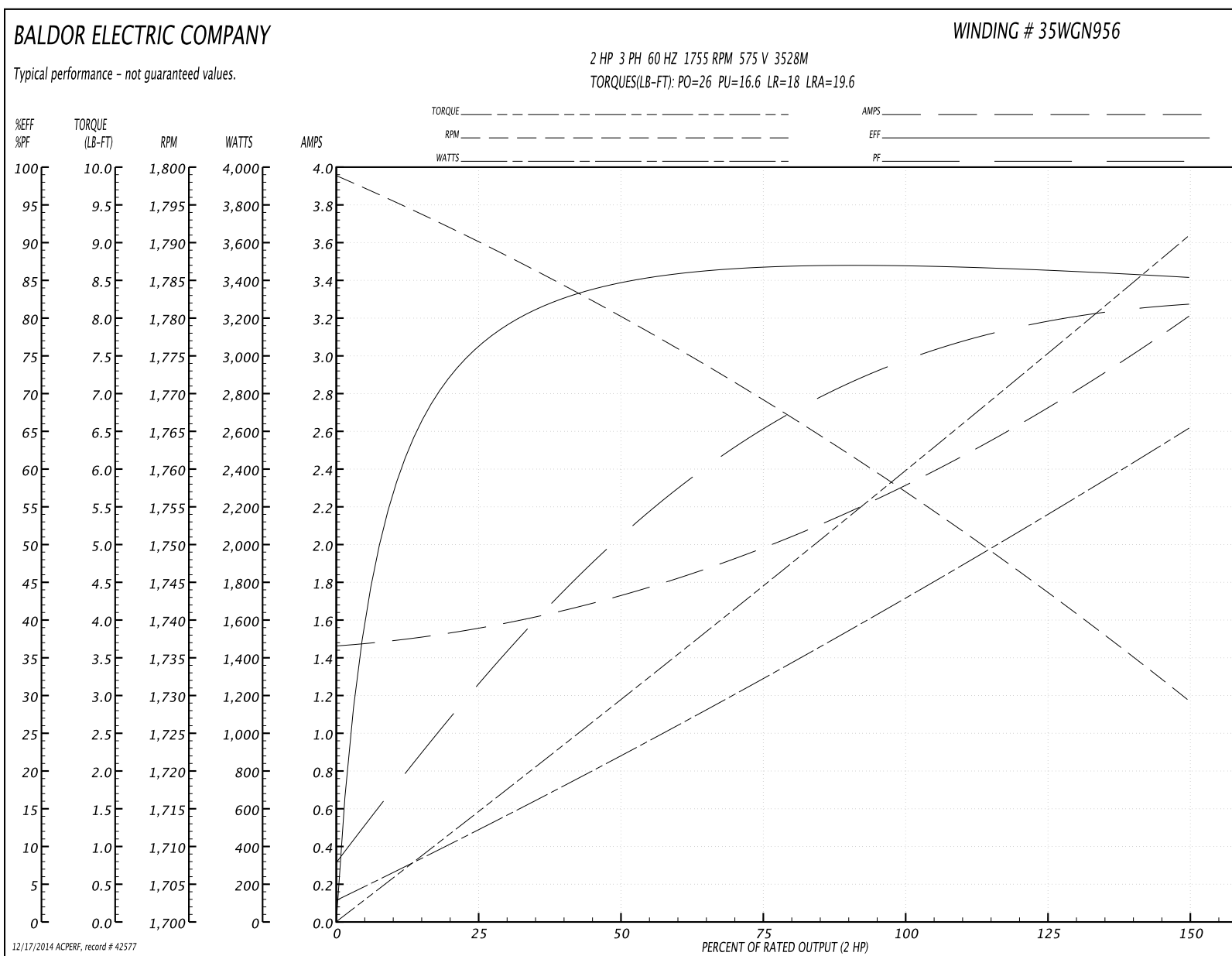
Winding: 35WGN956-R003	Type: 3528M	Enclosure: XPFC
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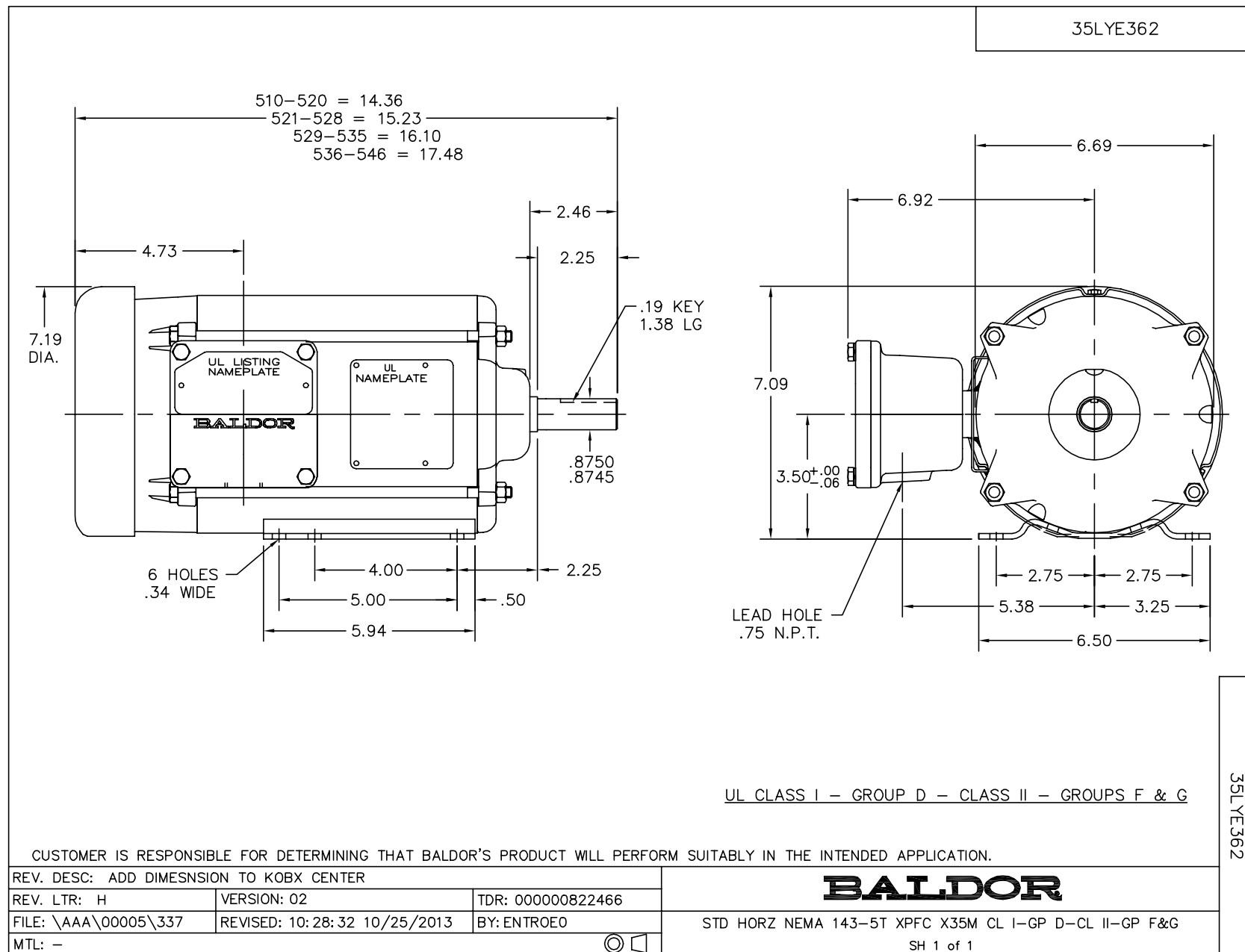
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	2			Full Load Torque	5.98 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	2.3			Breakdown Torque	26 LB-FT
R.P.M.	1755			Pull-up Torque	16.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	18 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	19.6 A
Service Factor (S.F.)	1			No-load Current	1.48 A
NEMA Nom. Eff.	86.5	Power Factor	75	Line-line Res. @ 25°C	11.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	62°C
				Rotor inertia	0.165 LF ²

Load Characteristics 575 V, 60 Hz, 2 HP

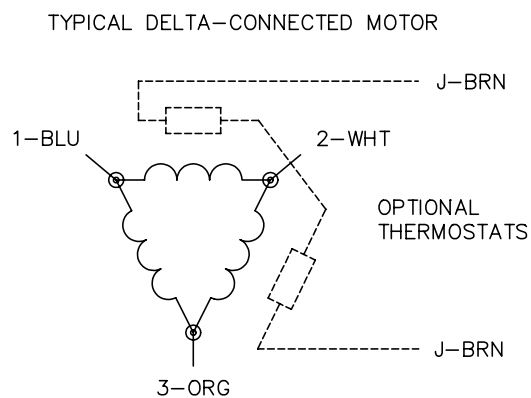
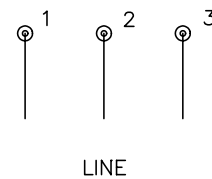
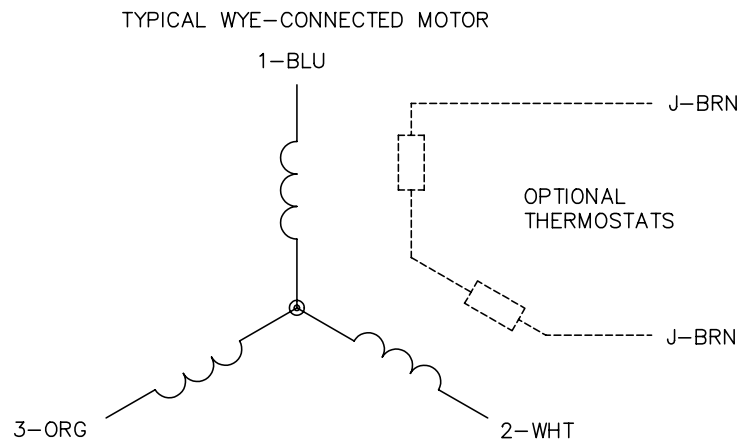
% of Rated Load	25	50	75	100	125	150
Power Factor	32	52	65	74	79	82
Efficiency	76	84.4	86.9	87	86.6	85.3
Speed	1790	1780	1769	1757	1744	1729
Line amperes	1.54	1.71	1.99	2.34	2.73	3.2

Performance Graph at 575V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006