

BALDOR® • RELIANCE

Product Information Packet

IDXM7037T

2HP,1760RPM,3PH,60HZ,145TC,3535M,XPFC,F1

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3535M	Elec. Spec:	35WGZ542	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	35N256	Layout:	35LYN256
Frame:	145TC	Mounting:	F1	Poles:	04	Created Date:	11-24-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-06-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0887XPSL								
NO.		CC	010A					
S/N		TEMP CODE	T3C					
SPEC.	35N256Z542G1	INV.TYPE	PWM					
CAT.NO.	IDXM7037T	C HP FR	60	C HP TO	90			
HP	2	CT HZ FROM	6	CT HZ TO	60			
VOLTS	230/460	VT HZ FROM	6	VT HZ TO	60			
AMPS	5.6/2.8	MAG CUR	3/1.5					
RPM	1760	MX RPM	2700					
HZ	60	PH	3	CL	F	NOM.EFF.	88.5	
SER.F.	1.00	DES	B	SL HZ	1.3	WK2	0.21	
FRAME	145TC	RATING	40C AMB-CONT					
	55C RISE							

Parts List		
Part Number	Description	Quantity
SA212876	SA 35N256Z542G1	1.000 EA
RA200105	RA 35N256Z542G1	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
35EP3702A01SP	PU EP-205 BRG-35X-56C-143-5TC	1.000 EA
51XN1032A16	10-32 X 1.000 HX WS SL SR	2.000 EA
HA3013A01	1/2-20X5/8 SPL.HX BOLT	2.000 EA
HW3021C06	3/32 DI X .625 PIN (F/S)	2.000 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

Parts List (continued)		
Part Number	Description	Quantity
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.017 GA
HA3104A10	THRUBOLT, 5/16-18 X 10.25	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0887XPSL	SS XP INV UL CSA CC CL-I GP-D CL-II GP-F	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

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AC Induction Motor Performance Data
 Record # 33866
 Typical performance - not guaranteed values

Winding: 35WGGZ542	Type: 3535M	Enclosure: XPFC
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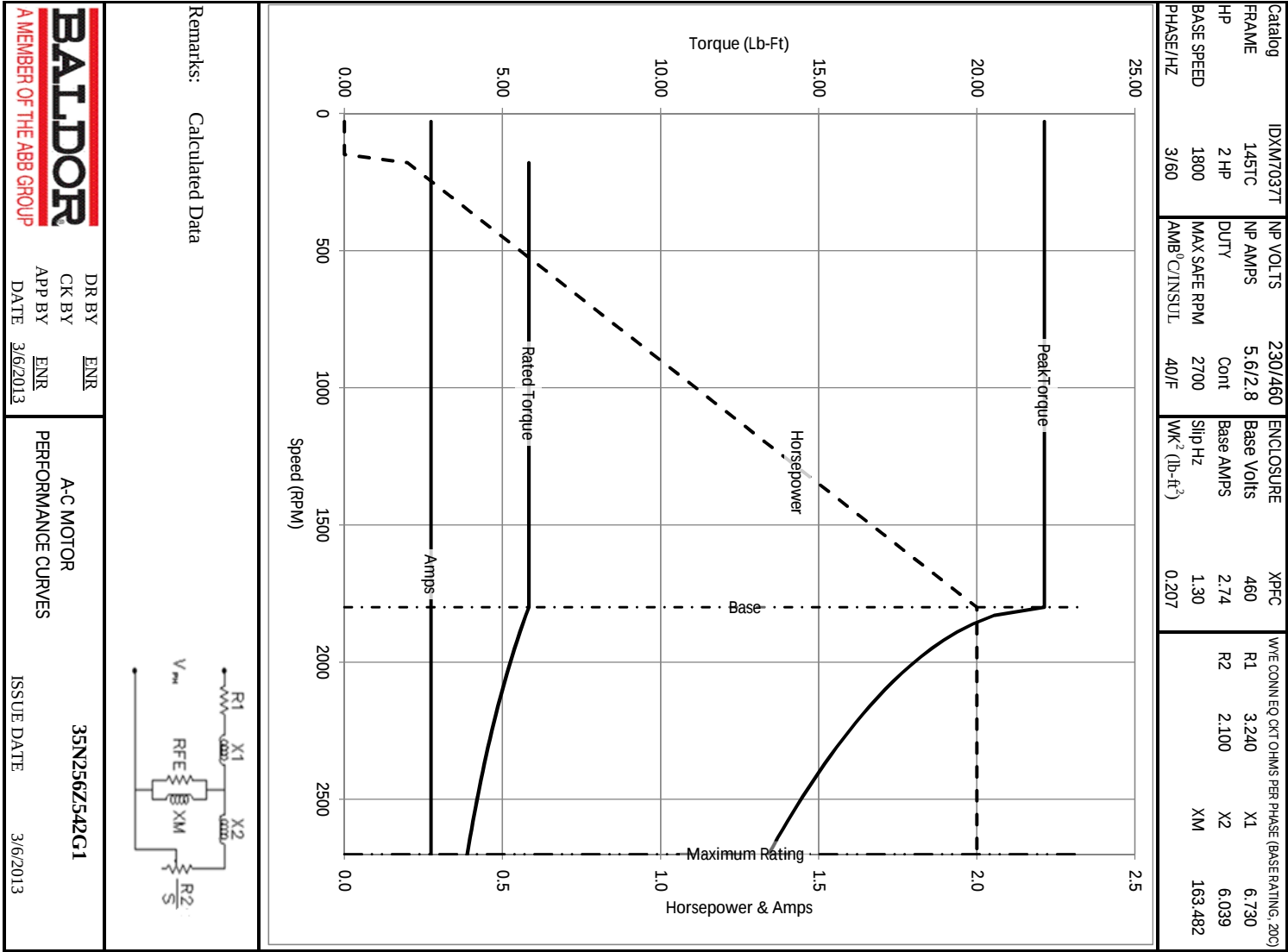
Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection			
Rated Output (HP)	2		Full Load Torque	5.88 LB-FT		
Volts	230/460		Start Configuration	DOL		
Full Load Amps	5.6/2.8		Break Down Torque	24.6 LB-FT		
R.P.M.	1760		Pull-Up Torque	17.3 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	19.5 LB-FT	
NEMA Design Code	B	KVA Code	L	Starting Current	25 Amps	
Service Factor	1			No-load Current	1.54 Amps	
NEMA Nom. Eff.	88.5	P.F.	76	Line-line Res. @ 25°C.	6.61 Ohms	
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	49°C	
S.F. Amps				Temp. Rise @ S.F. Load		

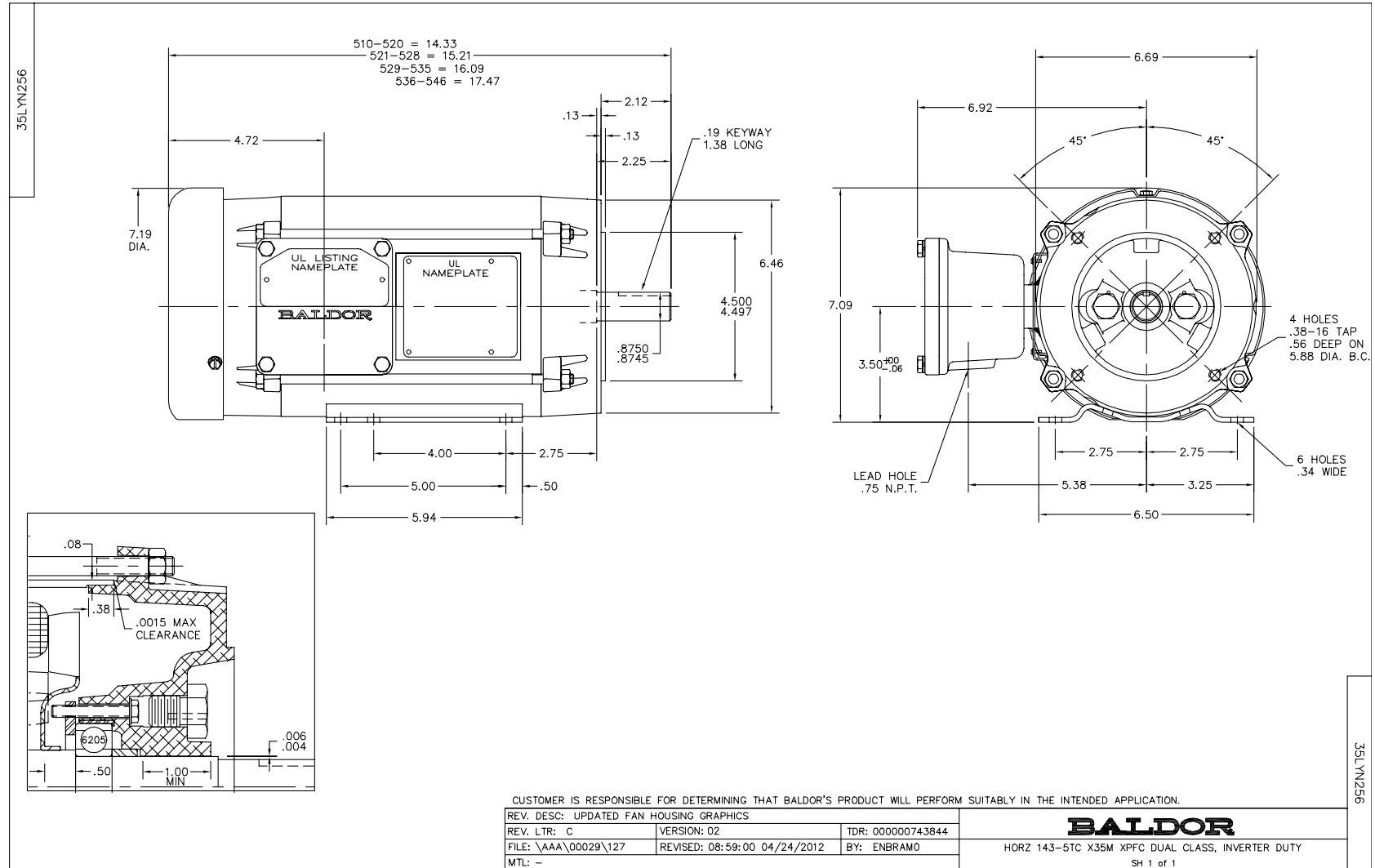
Load Characteristics at 460 Volts, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	69	76	80	84	
Efficiency	80.6	87.2	89.2	89	88.6	87.5	
Speed	1792	1783	1772	1761	1749	1737	
Line Amperes	1.65	1.91	2.29	2.74	3.27	3.82	

Baldor Electric Company Fort Smith, Arkansas







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