

# **BALDOR**® • **RELIANCE**

## **Product Information Packet**

# **M7031TA**

**.75HP, 1140RPM, 3PH, 60HZ, 143T, X3524M, XPFC**

Part Detail							
Revision:	AF	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGY025	CD Diagram:	CD0007
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	35E360	Layout:	35LYE360
Frame:	143T	Mounting:	F1	Poles:	06	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	06-09-2015
Leads:	12#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0016XPSL	
NO.	<input type="text"/>
SER.	<input type="text"/>
SPEC.	35E360Y25
CAT.NO.	M7031TA
HP	.75
VOLTS	208-230/460
AMPS	3-2.8/1.4
RPM	1140
HZ	60
SER.F.	1.00
RATING	40C AMB-CONT
FRAME	143T
USABLE AT 208V	3
BLANK	<input type="text"/>
	CC <input type="text"/>
	T. CODE T4
	PH 3 CL B
	DES B CODE K
	NEMA-NOM-EFF 77
	PF 63

Parts List		
Part Number	Description	Quantity
SA023952	SA 35E360Y25	1.000 EA
RA020002	RA 35E360Y25	1.000 EA
TPMYJ68KX	THERMAL 3PH 0.75 AUT 120C	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
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/PRIMED	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
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	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
MG1025G29	WILKOFASST, 789.229, DARK CHARCOAL GRAY	0.017 GA
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
HA6001A01	THERMAL RETAINER (PLATED)	1.000 EA
51XT0632A06	6-32X3/8 TY23 HXWS SLDSR	2.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0007	CONNECTION LABEL	1.000 EA
NP0016XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

**AC Induction Motor Performance Data**

Record # 34974 - Typical performance - not guaranteed values

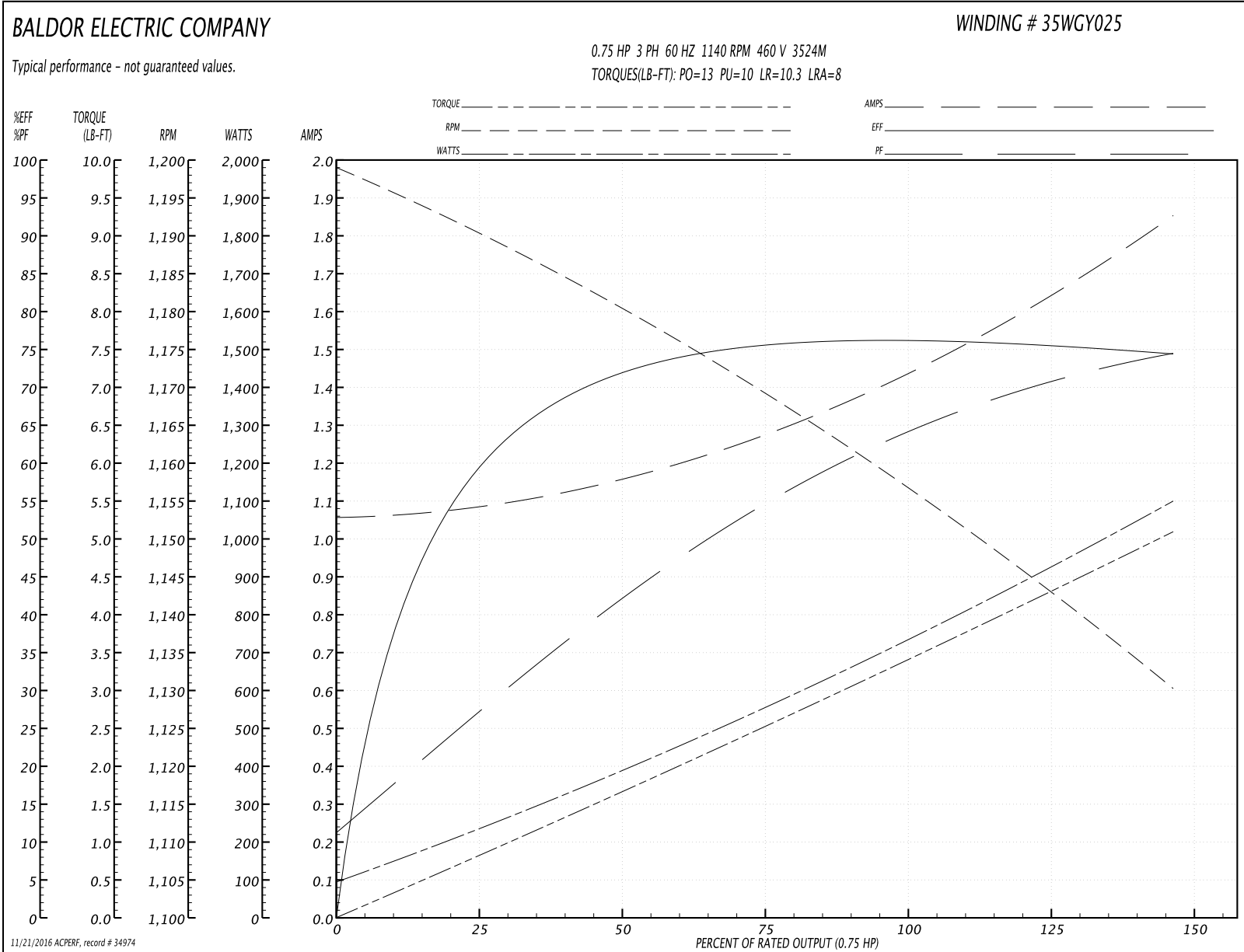
<b>Winding:</b> 35WGY025-R009	<b>Type:</b> 3524M	<b>Enclosure:</b> XPFC
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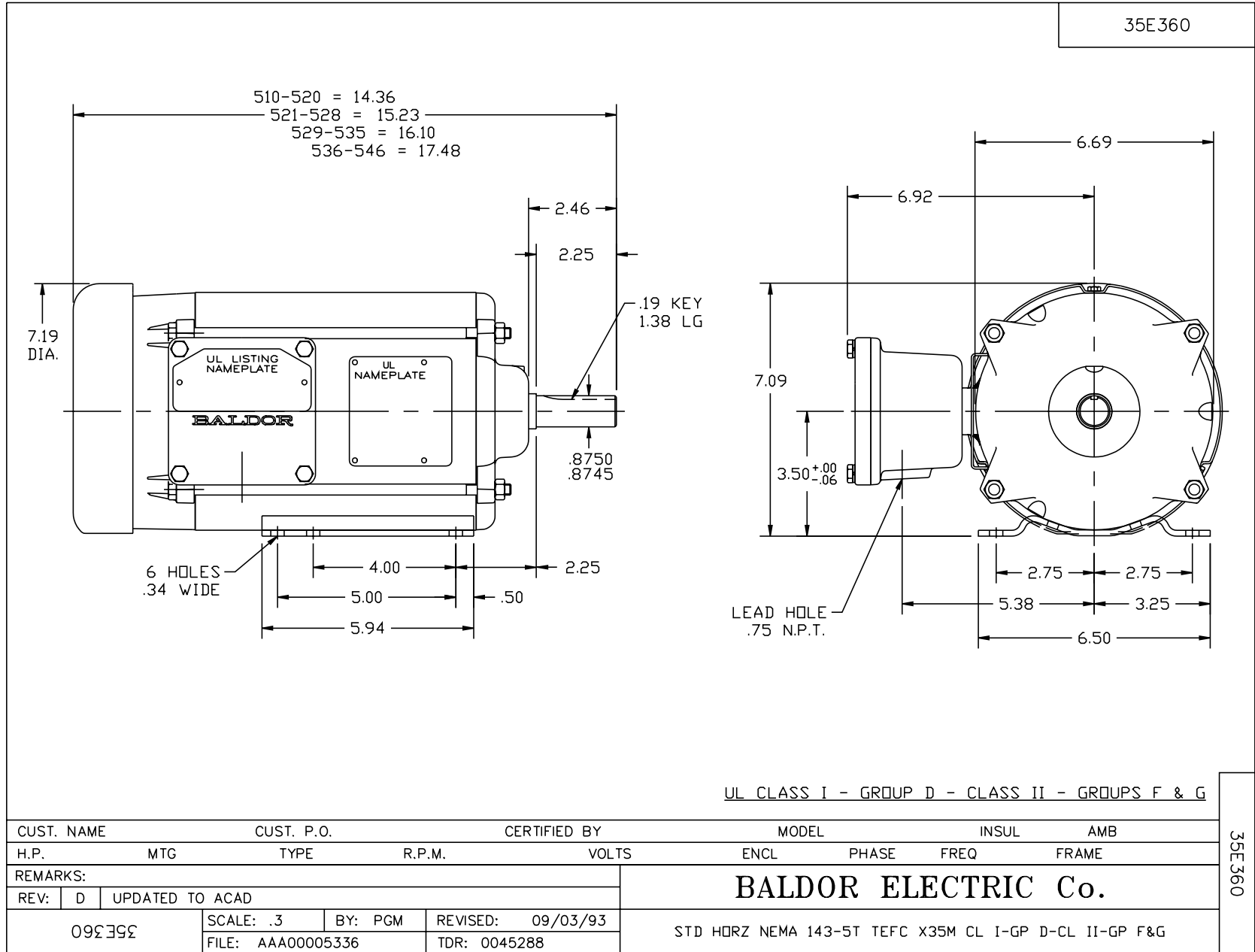
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	3.4 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3-2.8/1.4			Breakdown Torque	13 LB-FT
R.P.M.	1140			Pull-up Torque	10 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.3 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	8 A
Service Factor (S.F.)	1			No-load Current	1.05 A
NEMA Nom. Eff.	77	Power Factor	63	Line-line Res. @ 25°C	26 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	43°C

Load Characteristics 460 V, 60 Hz, 0.75 HP

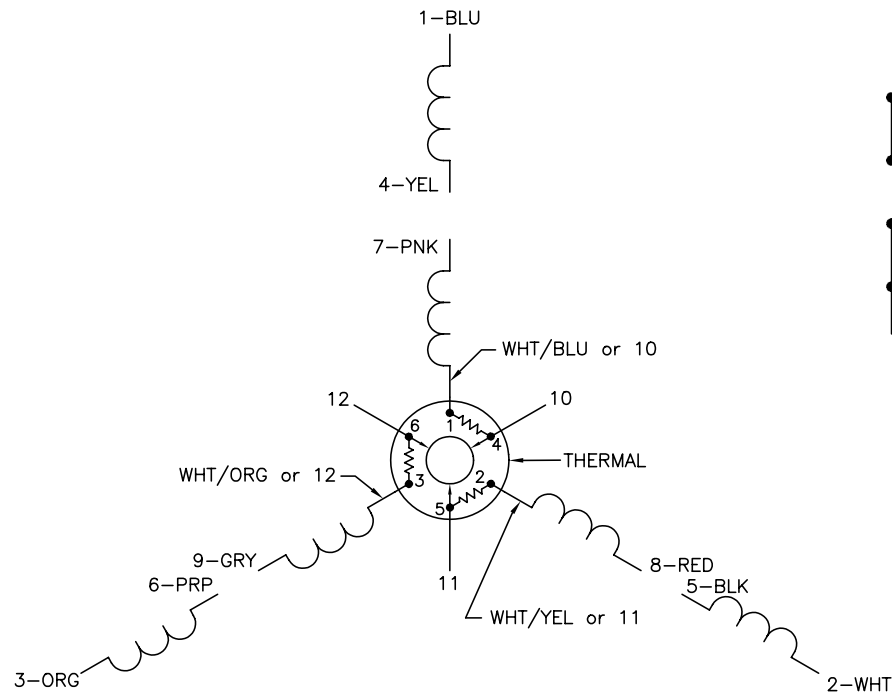
% of Rated Load	25	50	75	100	125	150
Power Factor	27	44	55	65	69	75
Efficiency	60.1	71.1	75	77.1	76.1	74
Speed	1190	1180	1170	1155	1145	1130
Line amperes	1.1	1.15	1.3	1.4	1.65	1.85

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values

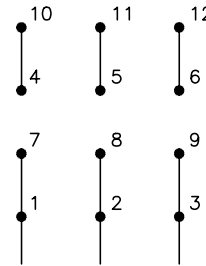




CD0007

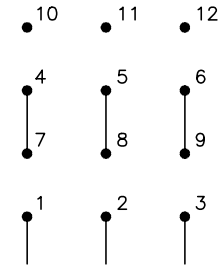


LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0007

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
L00000		FILE: AAA00008370	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, THERMAL, 12 LEADS