

BALDOR® • RELIANCE

Product Information Packet

EFM4312T

50HP,1185RPM,3PH,60HZ,365T,1474M,TEFC,F2

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A36062M	Elec. Spec:	A36WG0751	CD Diagram:	416820-002
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617428-078
Frame:	365T	Mounting:	F2	Poles:	06	Created Date:	06-06-2014
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-26-2016
Leads:	3#4,6#6					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2383L

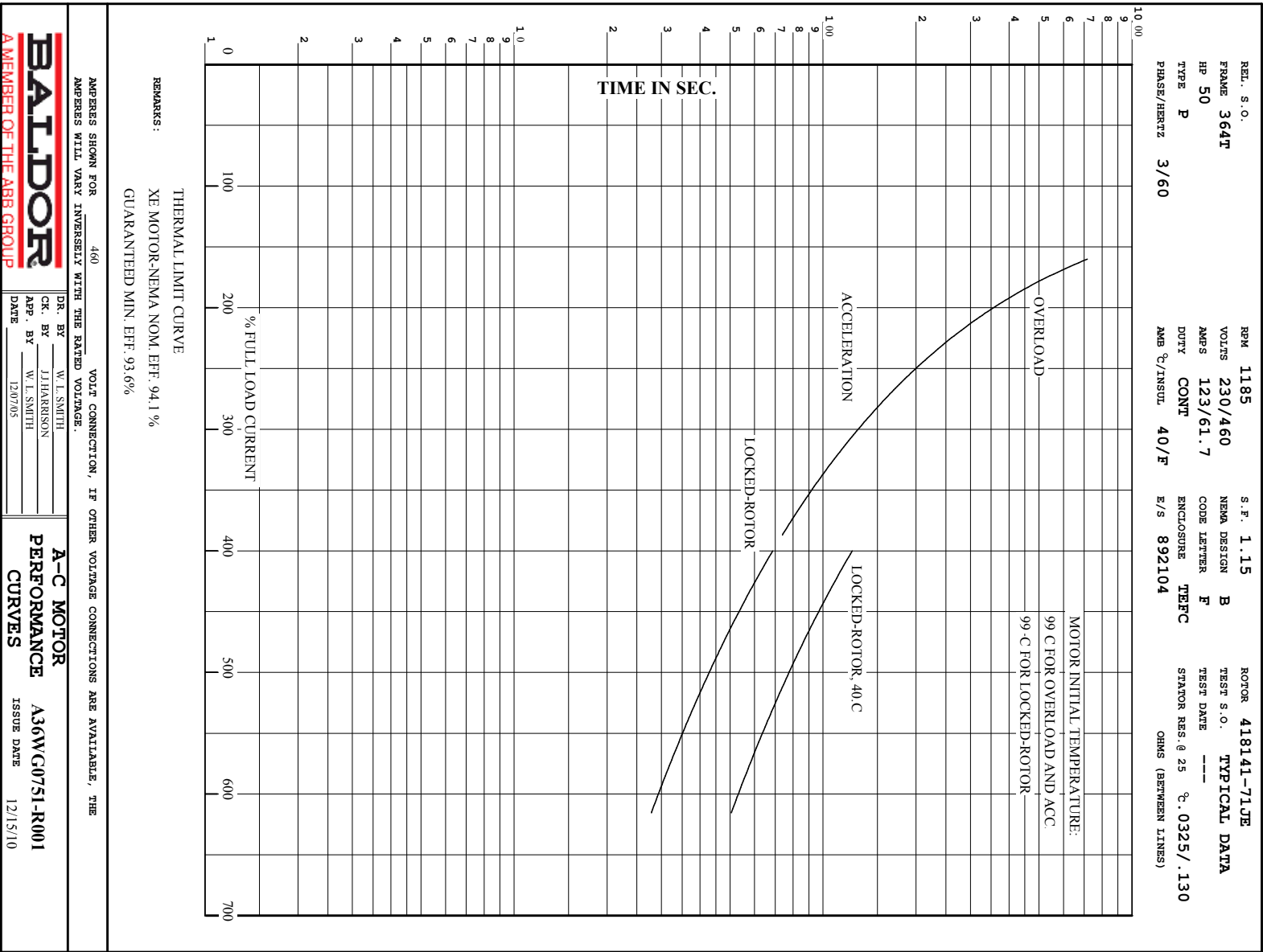
CAT.NO.	EFM4312T	SPEC NO.	A36-5527-0751
HP	50	AMPS	123/61.7
FRAME	365T	RPM	1185
DRIVE END BEARING	65BC03J30X	HZ	60
OPP D.E. BEARING	65BC03J30X	AMB	40
SER.NO.		SF	1.15
		INSUL.CLASS	F
		PHASE	3
		DUTY	CONT
		TYPE	P
		ENCL	TEFC
		CODE	F
		POWER FACTOR	81
		NEMA-NOM-EFFICIENCY	94.1
	SUIT FOR 208V @133 AMPS	MAX CORR KVAR	14
		GUARANTEED EFFICIENCY	93
NEMA NOM/CSA QUOTED EFF		MOTOR WEIGHT	868

Nameplate NP2496L

MOBIL POLYREX EM

Parts List		
Part Number	Description	Quantity
SA282196	SA A36-5527-0751	1.000 EA
RA268504	RA A36-5527-0751	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
421948032	LABEL, MYLAR	1.000 EA
004824015A	GREASE POLYREX EM	0.544 LB
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
078550001M	FAN KB 60/30 (30) 360	1.000 EA
078559001A	+FANCV - 360	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
410700004F	WSHR	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
415045002E	SLGR	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
043292000AJ	GASK 320-400	1.000 EA
077176000L	C/BOX, PAINTED 360-400	1.000 EA
077176001A	CBOXC, PAINTED 360-400	1.000 EA
402731001A	GASK 360-440	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
032509020C	CARRIAGE BOLT - 360	3.000 EA
HW1000A32	5/16 FL WASHER WIDE,ID=.344,OD=1.125	3.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA



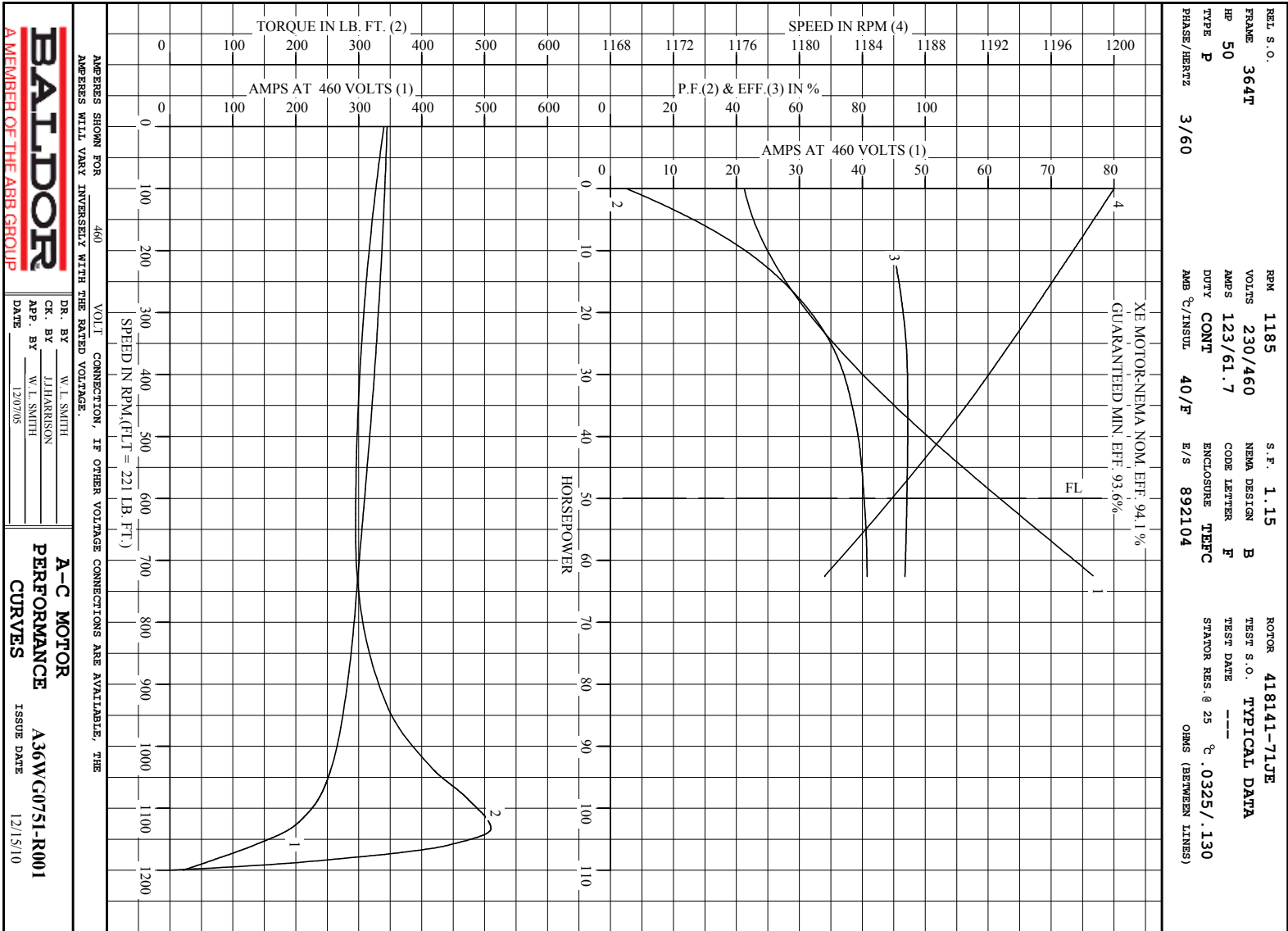
REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	50	P	3/60	1185	230/460
AMPS	DUTY	AMB ^{°C} / INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
123/61.7	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 ^{°C} OHMS (BETWEEN LINES)		
892104	418141-71JE	---	---	.0325/.130		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	21.3	1200	5.08	0	
1/4	12.5	26.2	1197	49.4	90.8	
2/4	25.0	35.6	1193	70.0	93.9	
3/4	37.5	47.8	1190	77.8	94.4	
4/4	50.0	61.7	1186	80.6	94.2	
5/4	62.5	76.7	1182	81.5	93.6	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	154	340	345		
PULL UP	650	133	295	305		
BREAKDOWN	1133	230	510	191		
FULL LOAD	1186	100	221	61.7		

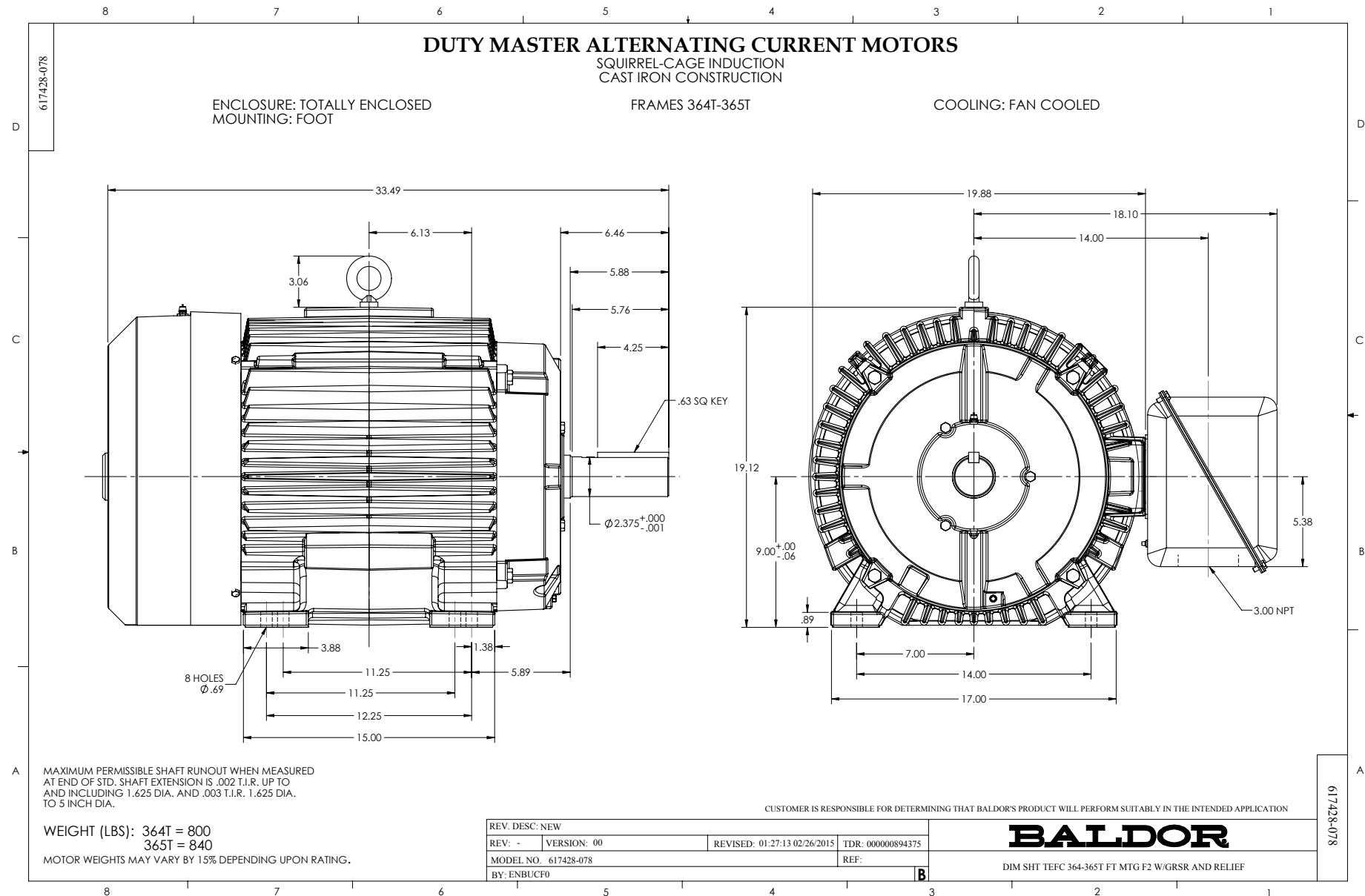
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

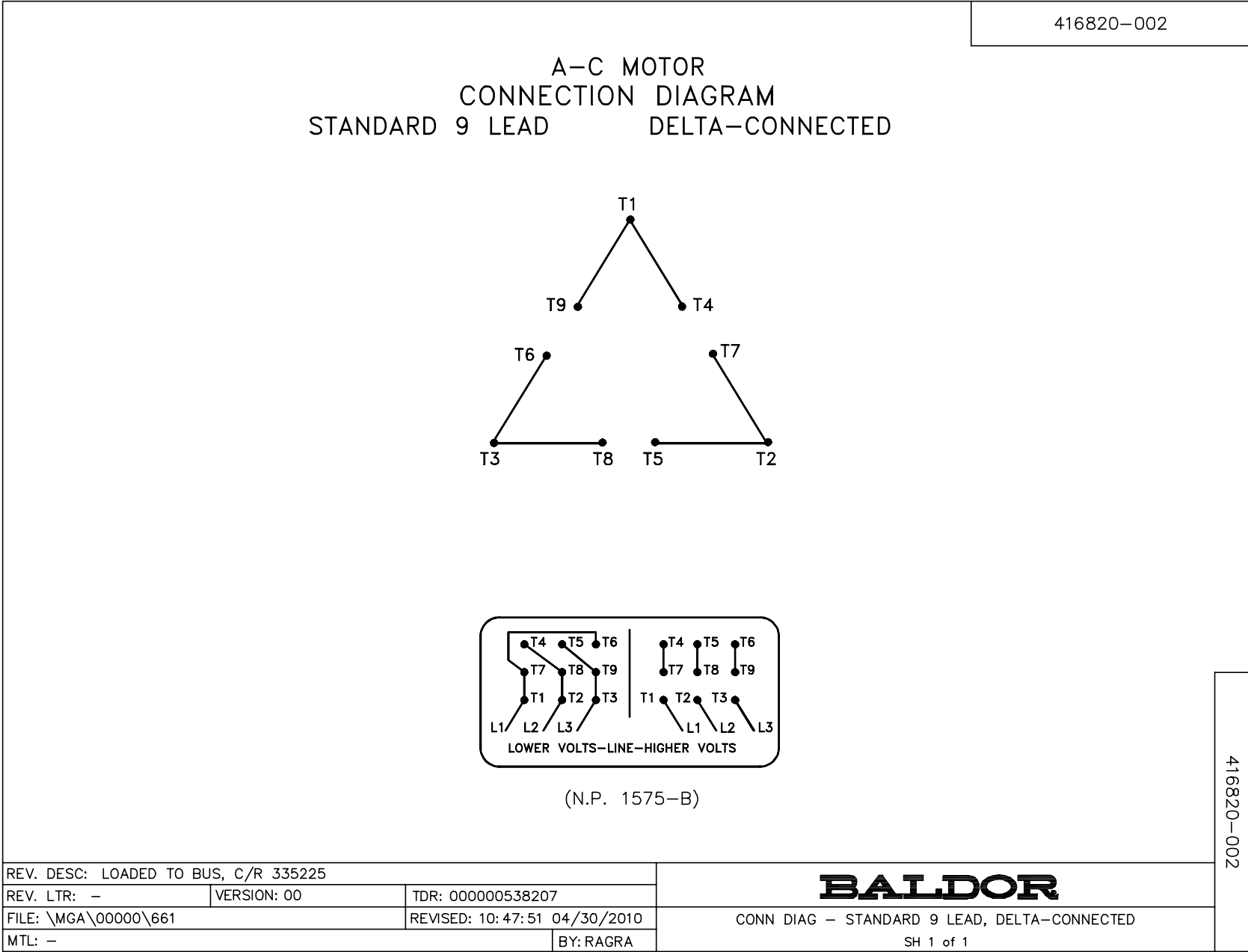
REMARKS: TYPICAL DATA
XE MOTOR-NEMA NOM. EFF. 94.1 %
GUARANTEED MIN. EFF. 93.6%

DR. BY W. L. SMITH	A-C MOTOR
CK. BY J. J. HARRISON	PERFORMANCE
APP. BY W. L. SMITH	DATA
DATE 12/07/05	ISSUE DATE 12/15/10

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