

BALDOR® • RELIANCE

Product Information Packet

ECP4312T-4

50HP,1185RPM,3PH,60HZ,365T,TEFC,FOOT

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A36062M	Elec. Spec:	A36WG0777	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617428-034
Frame:	365T	Mounting:	F1	Poles:	06	Created Date:	10-19-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	08-20-2015
Leads:	3#4					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3238									
CAT NO	ECP4312T-4	SPEC NO.	P36G467						
HP	50	AMPS	61.7	VOLTS	460	DESIGN	B		
FRAME	365T	RPM	1185	HZ	60	AMB	40	SF	1.15
D.E. BRG.DATA	6313	O.D.E. BRG.DATA	6313	PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	65BC03J30X	TYPE	P	ENCL	TEFC	CODE	F		
O.D.E. BRG.	65BC03J30X	POWER FACTOR	80.6	NEMA NOM EFFICIENCY	94.1				
3/4 LOAD EFF.	94.4	MAX CORR KVAR	14.0	GUARANTEED EFFICIENCY	93.6				
TEMP CODE	T3A	TEMP =	180						
CHP HZ	60-90	CT HZ	6-60	VT HZ	0-60				
INVERTER-TEMP-CODE	T3A								
SER.NO.		MOTOR WEIGHT	920						

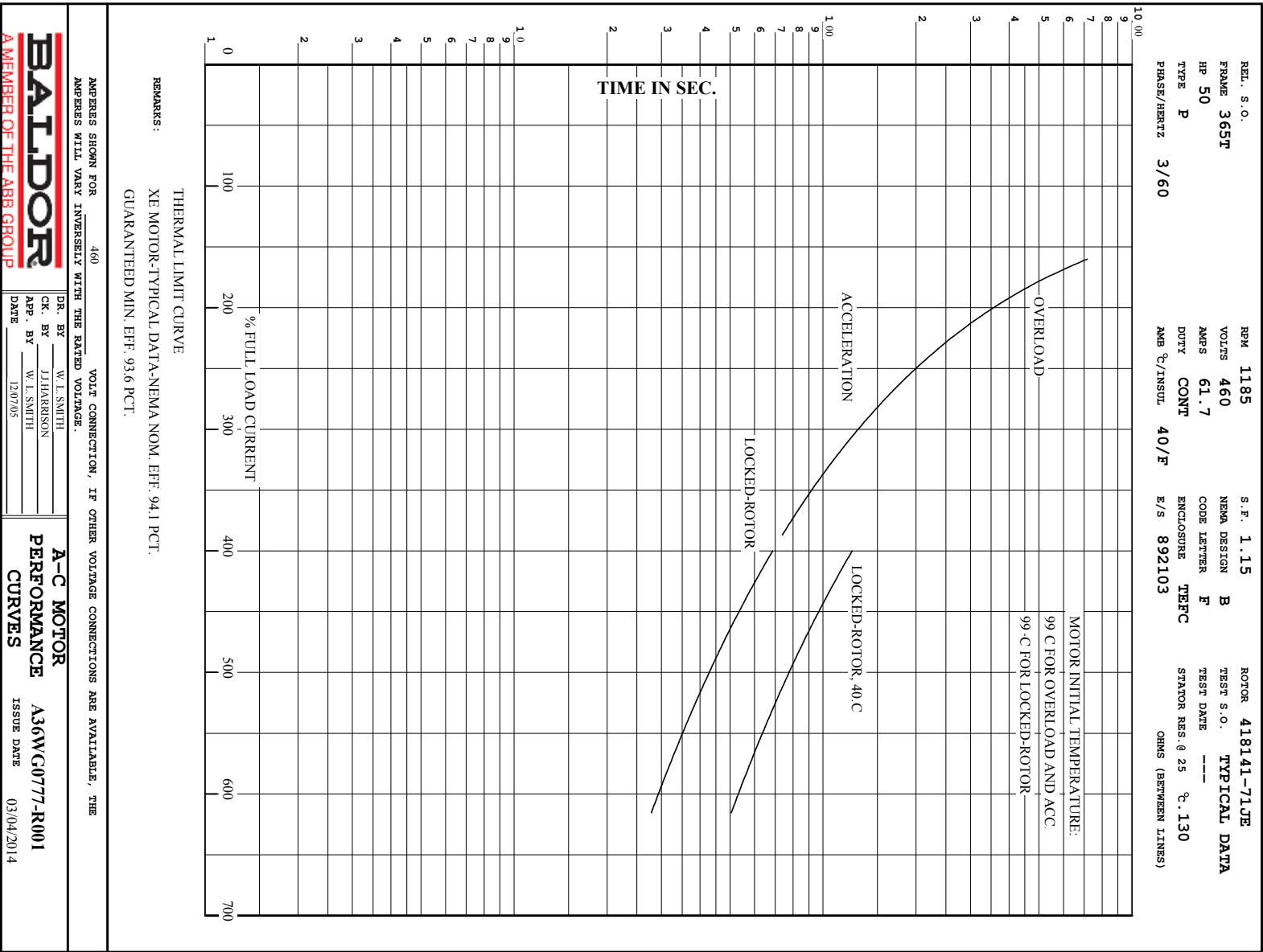
Parts List		
Part Number	Description	Quantity
SA209133	SA P36G467	1.000 EA
RA209319	RA P36G467	1.000 EA
NP3238	SS CP XEX SEVERE DUTY MAIN NP	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
004824015A	GREASE POLYREX EM	0.544 LB
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	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
078550001M	FAN KB 60/30 (30) 360	1.000 EA
078559034A	+F/C A 078559001A - 360	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
410700004F	WSHR	1.000 EA
415045002E	SLGR	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
418151057A	PLASTIC DRAIN,ODE BRKT	1.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034530020AB	P/NIP 1/8X2-1/2 PLTD	1.000 EA
085922073A	BRKT 360 085922072WCC KB	1.000 EA
415045002E	SLGR	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
418151057A	PLASTIC DRAIN,ODE BRKT	1.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
065776000C	TERBD 320-400	1.000 EA
067053000B	GASK 320-400	1.000 EA
076708000BB	C/B - 360	1.000 EA
076709000A	C/B - 360	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
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 EA
004824003AJD	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 GA
004824003CBY	WILKO PAINT 060.02 - ACTIVATOR	0.063 GA
421948051	LABEL, MYLAR	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
000613006PU	N/P UL CSA LABEL	1.000 EA
034530032BB	P/NIP 1/4X4" SCHED 40	1.000 EA

Product Information Packet: ECP4312T-4 - 50HP,1185RPM,3PH,60HZ,365T,TEFC,FOOT

034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034530020BB	P/NIP 1/4X2-1/2 PLATED	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA

Accessories		
Part Number	Description	Multiplier
K36G2	C-FACE KIT	A8



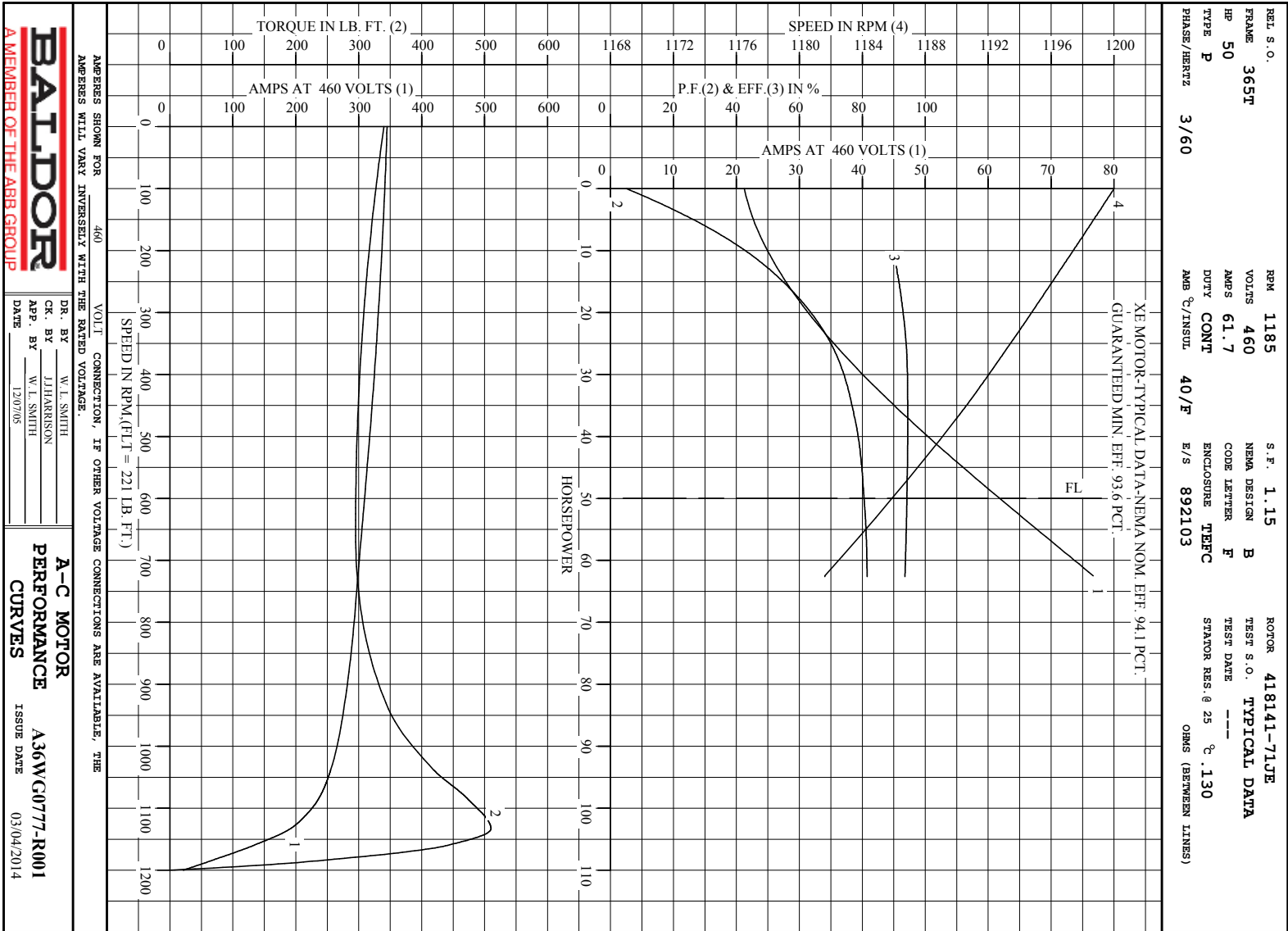
REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365T	50	P	3/60	1185	460
AMPS	DUTY	AMB [°] C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
61.7	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 [°] C OHMS (BETWEEN LINES)		
892103	418141-71JE	---	---	.130		
PERFORMANCE						
LOAD	HP	AMPERES	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		

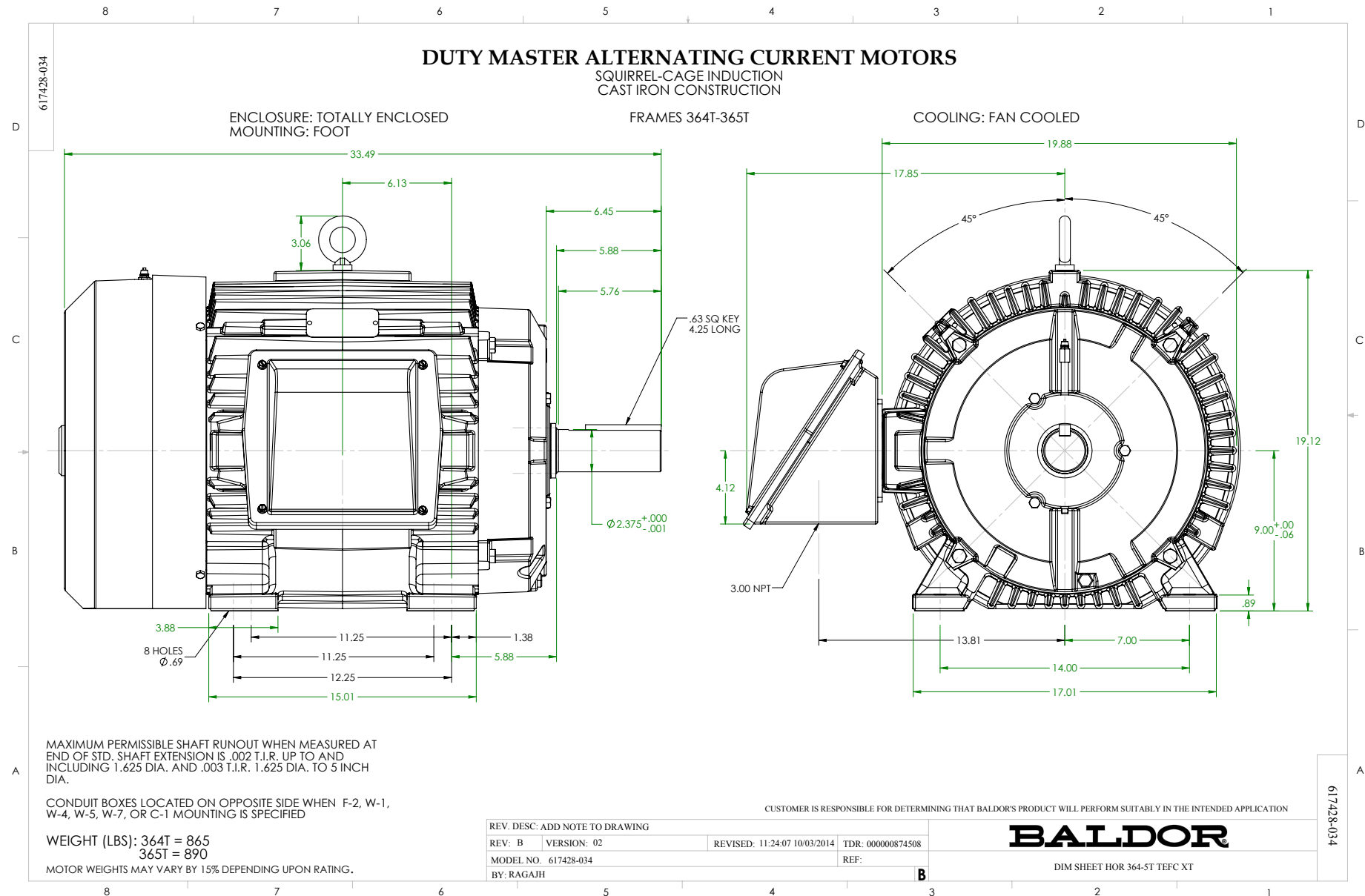
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

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

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 03/04/20

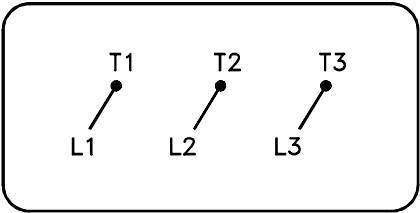
A MEMBER OF THE ABB GROUP





416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010
MTL: -		BY: RAGRA

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1

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