

BALDOR® • RELIANCE

Product Information Packet

ECP84316T-4

75HP,1780RPM,3PH,60HZ,365T,TEFC,FOOT

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A36070M	Elec. Spec:	A36WG0082	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617428-005
Frame:	365T	Mounting:	F1	Poles:	04	Created Date:	10-19-2010
Base:		Rotation:	PS	Insulation:	F	Eff. Date:	05-23-2016
Leads:	3#4					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3237

CAT NO	ECP84316T-4	SPEC NO.	P36G3365		
HP	75	AMPS	85.9	VOLTS	460
FRAME SIZE	365T	RPM	1780	HZ	60
D.E. BRG.DATA	6313	O.D.E. BRG.DATA	6313	PH	3
D.E. BRG.	65BC03J30X	TYPE	P	ENCL	TEFC
O.D.E. BRG.	65BC03J30X	POWER FACTOR	85.6	CODE	G
3/4 LOAD EFF.	95.8	IP	56	MAX CORR KVAR	16.0
TEMP CODE	T3	TEMP	= 200		
CHP HZ	60-90	CT HZ	15-60	VT HZ	0-60
INVERTER-TEMP-CODE	T3				
SER.NO.		MOTOR WEIGHT	971		
		DESIGN	B		
		SF	1.15	DUTY	CONT
				INSUL.CLASS	F
				NEMA-NOM-EFFICIENCY	95.4
				GUARANTEED EFFICIENCY	95.0

Nameplate 000613007EX

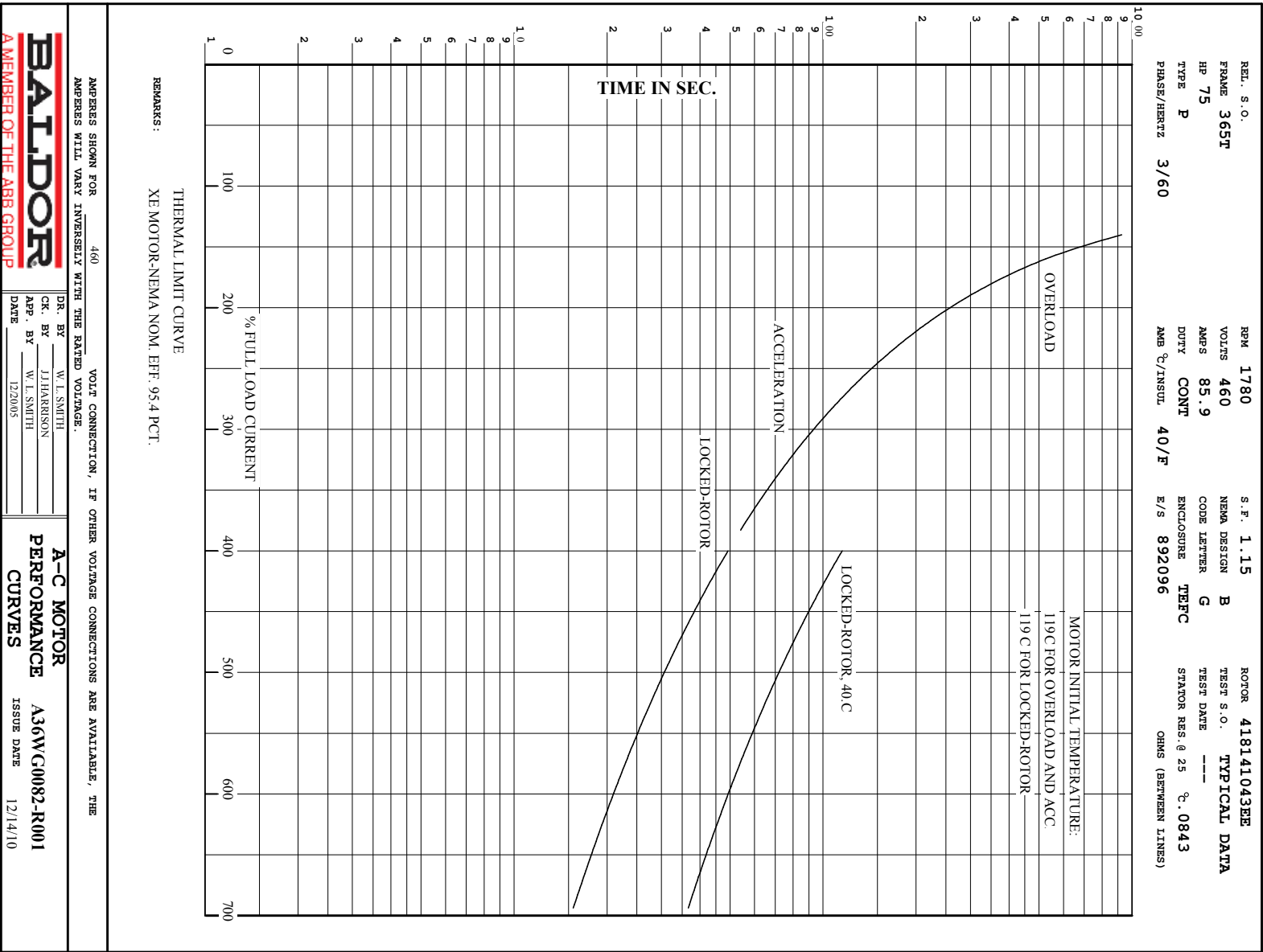
CAT NO	ECP84316T-4	SPEC NO.	P36G3365	
NO. ROTOR BARS	47	GREASE TYPE	POLYREX EM	
NO. SLOTS	60	NL AMPS AT RATED VOLTAGE	26.6	
5 YEAR WARRANTY		WINDING RES @25 C	.08438	OHMS
MFG. DATE		SER.NO		

Parts List		
Part Number	Description	Quantity
SA209363	SA P36G3365	1.000 EA
RA196625	RA P36G3365	1.000 EA
NP3237	SS SUPER E INVERTER DUTY IEEE 841	1.000 EA
000613007EX	SS IEEE 841 EMBOSSED AUXILIARY NAMEPLATE	1.000 EA
000692000JP	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
000692000VH	N/P	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
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
034530032BB	P/NIP 1/4X4" SCHED 40	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
085922083BH	BRKT 360 085922072WCC KB	1.000 EA
412118006A	DRAIN	1.000 EA
415028008E	INPRO SEAL - 360	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011C	WASHER	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
085922083BH	BRKT 360 085922072WCC KB	1.000 EA
412118006A	DRAIN	1.000 EA
078559034A	+F/C A 078559001A - 360	1.000 EA
410700004F	WSHR	1.000 EA
415028008E	INPRO SEAL - 360	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011C	WASHER	3.000 EA
702676001C	FAN 360 - 56 PCS	1.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 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
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
415000103H	TERMINAL LUG	1.000 EA
415039016A	TERBD, 360-400	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
034530020BB	P/NIP 1/4X2-1/2 PLATED	1.000 EA

Product Information Packet: ECP84316T-4 - 75HP,1780RPM,3PH,60HZ,365T,TEFC,FOOT

034530032AB	P/NIP 1/8X4 PLATED	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 EA
MG1025N19	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 (RELEASE QTY 10,000) UL CSA LABLE	1.000 EA
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 EA



Printed on 11/11/14 8:03 @ ragun

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365T	75	P	3/60	1780	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
85.9	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
892096	418141043EE	---	---	.0843		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	26.1	1800	3.86	0	
1/4	18.8	33.4	1796	56.1	93.8	
2/4	37.5	47.7	1791	77.0	95.7	
3/4	56.2	65.8	1786	83.5	95.8	
4/4	75.0	85.9	1781	85.6	95.4	
5/4	93.8	107	1776	86.7	94.8	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	196	433	542		
PULL UP	1130	166	368	458		
BREAKDOWN	1699	252	557	293		
FULL LOAD	1781	100	221	85.9		
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. 95.4 PCT.						



A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH

CK. BY J. J. HARRISON

APP. BY W. L. SMITH

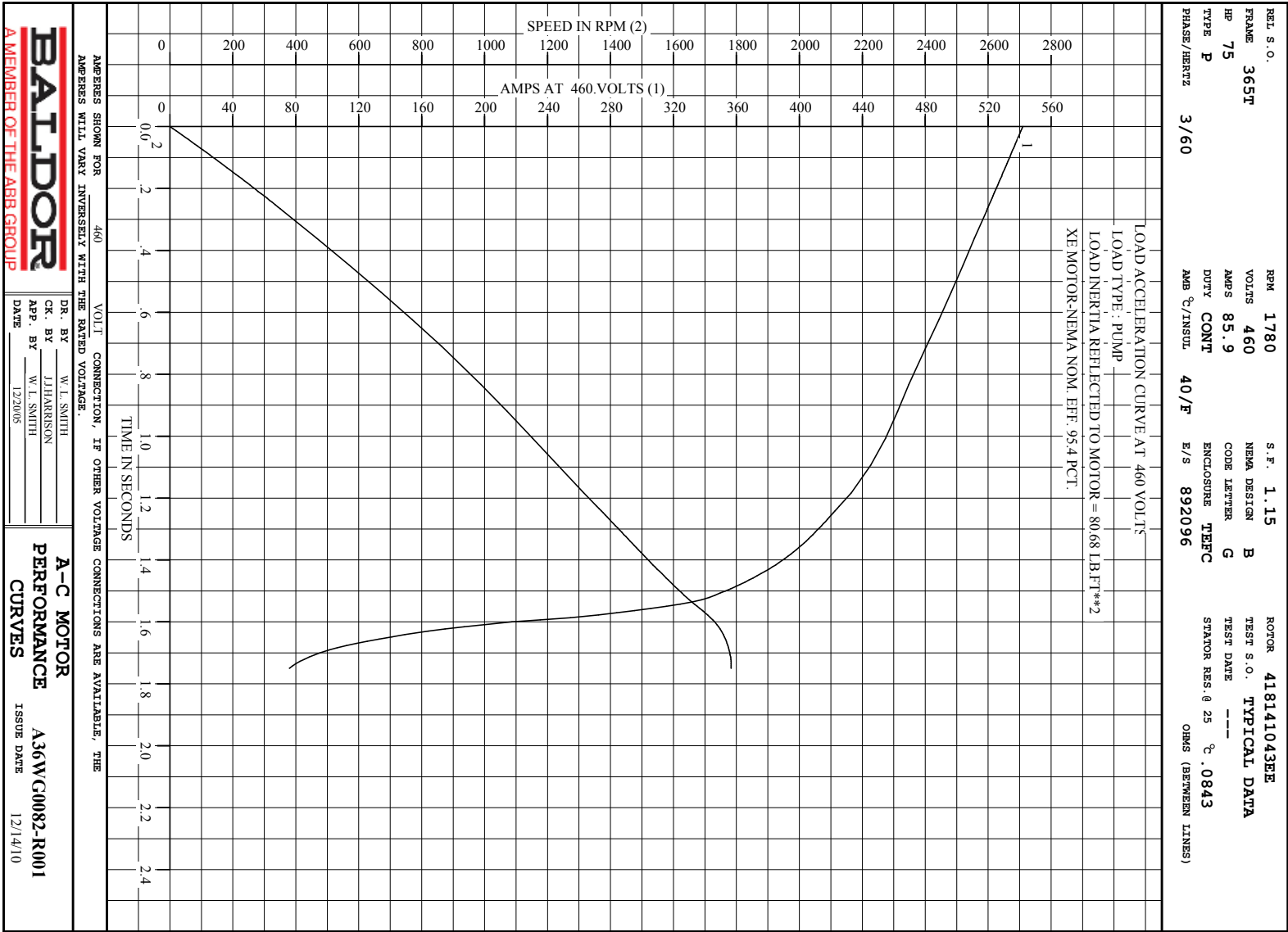
DATE 12/20/05

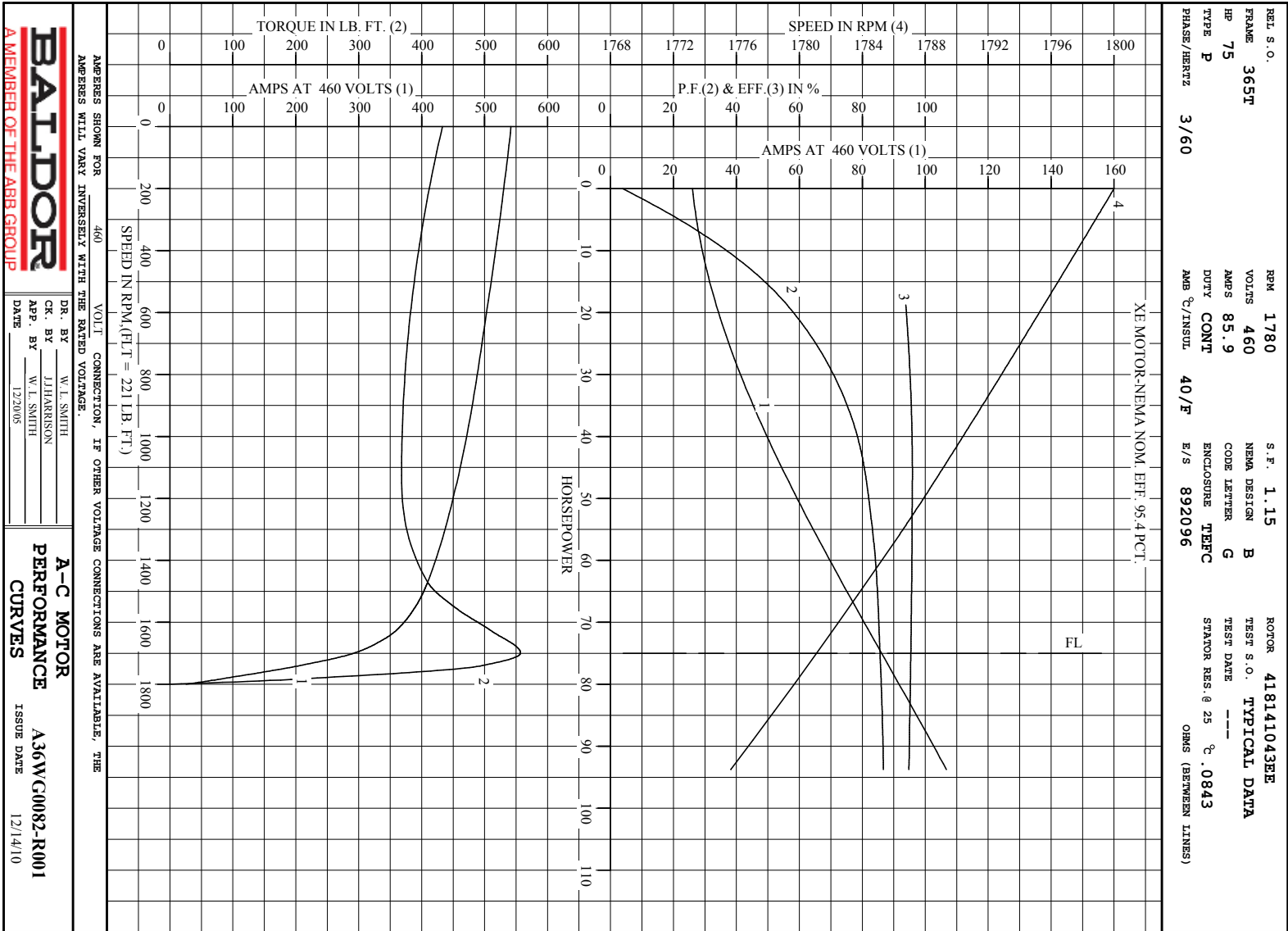
A-C MOTOR

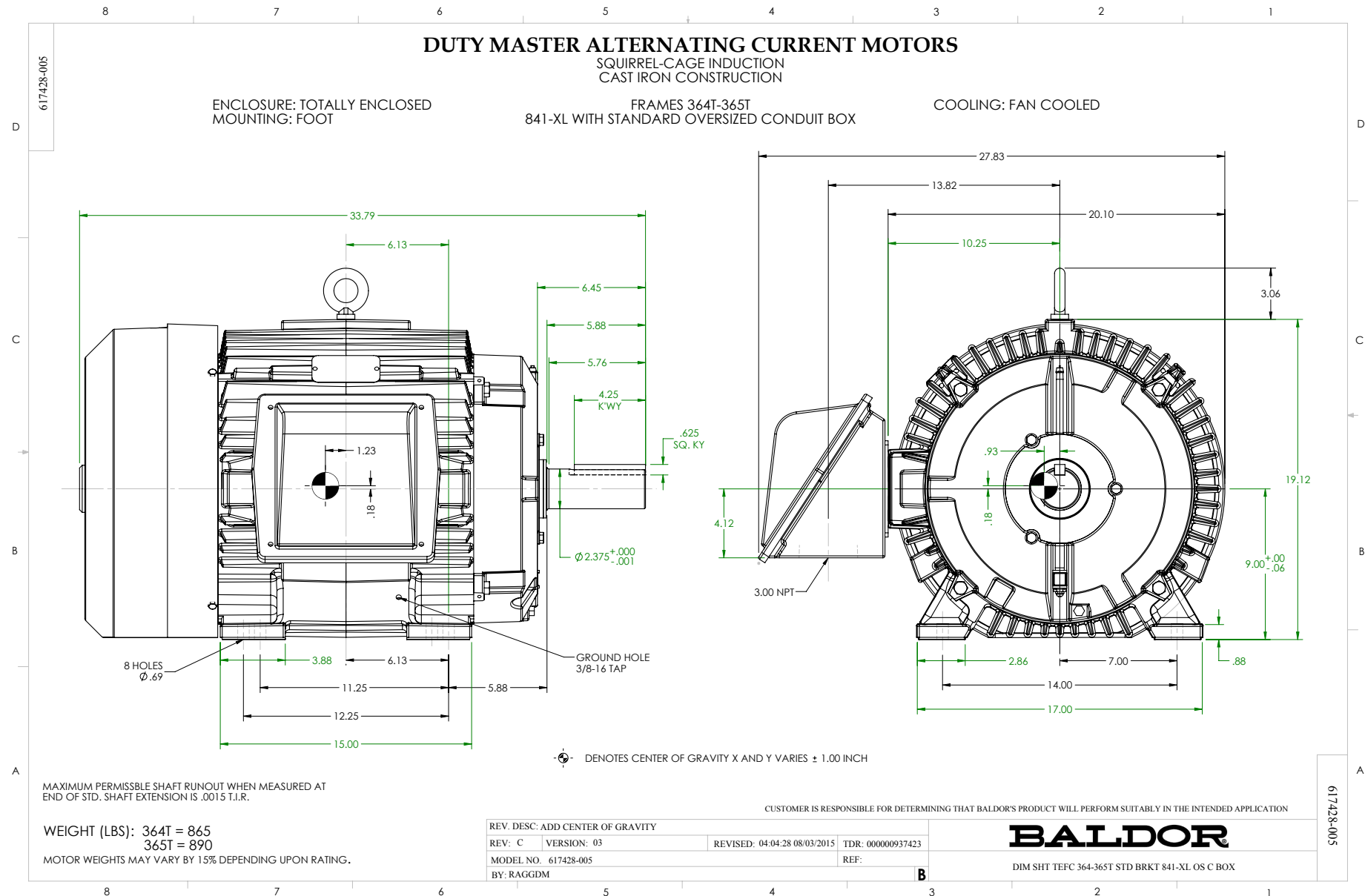
PERFORMANCE DATA

A36WG0082-R001

ISSUE DATE 12/14/10







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			BALDOR CONN DIAG - STANDARD 3 LEAD SH 1 of 1
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: -		BY: RAGRA	

Marketing maintained PDF of MN408:

<http://www.baldor.com/support/Literature/Load.ashx/MN408?ManNumber=MN408>

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>