

BALDOR® • RELIANCE

Product Information Packet

EM4314TS

60HP,1775RPM,3PH,60HZ,364TS

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A36WG0651	CD Diagram:	416820-002	Mfg Plant:	
Mech. Spec:		Layout:	617428-076	Poles:	04	Created Date:	11-18-2010
Base:		Eff. Date:	02-24-2017	Leads:	3#4,6#6		

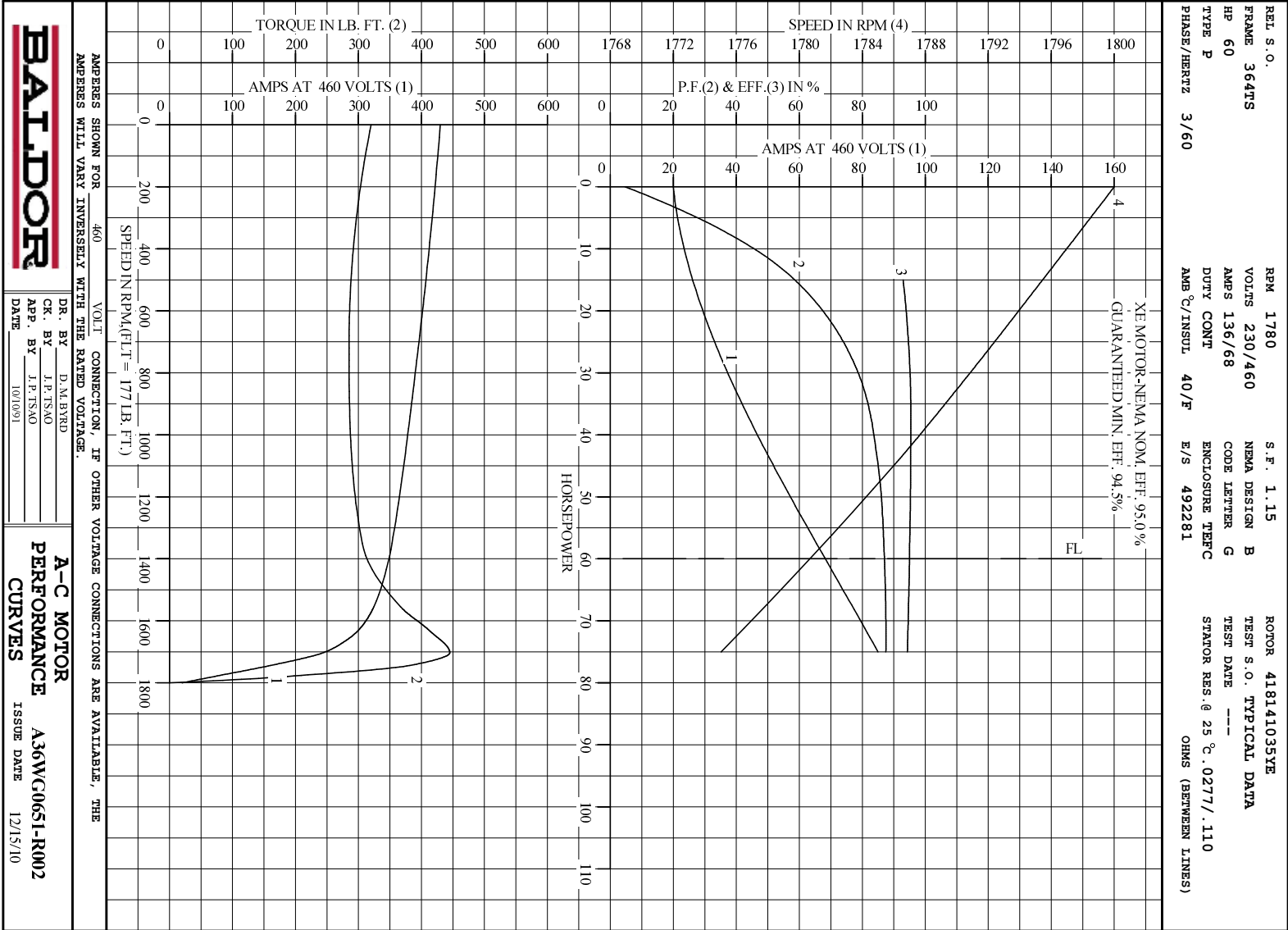
Specs			
Catalog Number:	EM4314TS	Feedback Device:	NO FEEDBACK
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	364TS	Insulation Class:	F
Frame Material:	Iron	Inverter Code:	Inverter Ready
Output @ Frequency:	60.000 HP @ 60 HZ	KVA Code:	G
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 4 AWG
	460.0 V @ 60 HZ	Motor Type:	A36062M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	87
Agency Approvals:	CCSA US	Pulley End Bearing Type:	Ball
	CSA EEV	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Shaft Ground Indicator:	No Shaft Grounding
Base Indicator:	Rigid	Shaft Rotation:	Reversible
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Slinger Indicator:	No Slinger
Current @ Voltage:	136.000 A @ 230.0 V	Speed Code:	Single Speed
	68.000 A @ 460.0 V	Motor Standards:	NEMA
Design Code:	B	Starting Method:	Direct on line

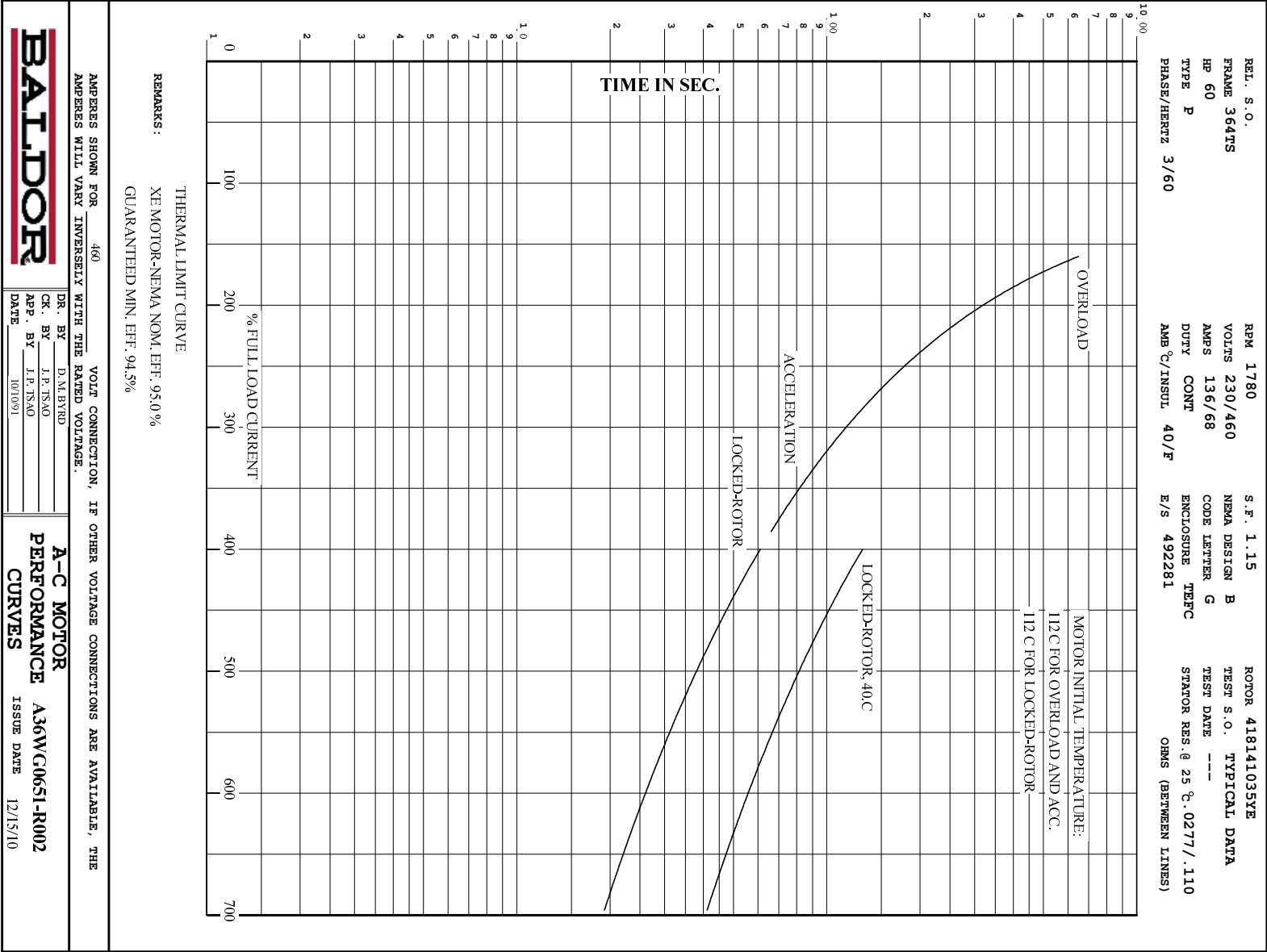
Drip Cover:	No Drip Cover	Thermal Device - Bearing:	None
Duty Rating:	CONT	Thermal Device - Winding:	None

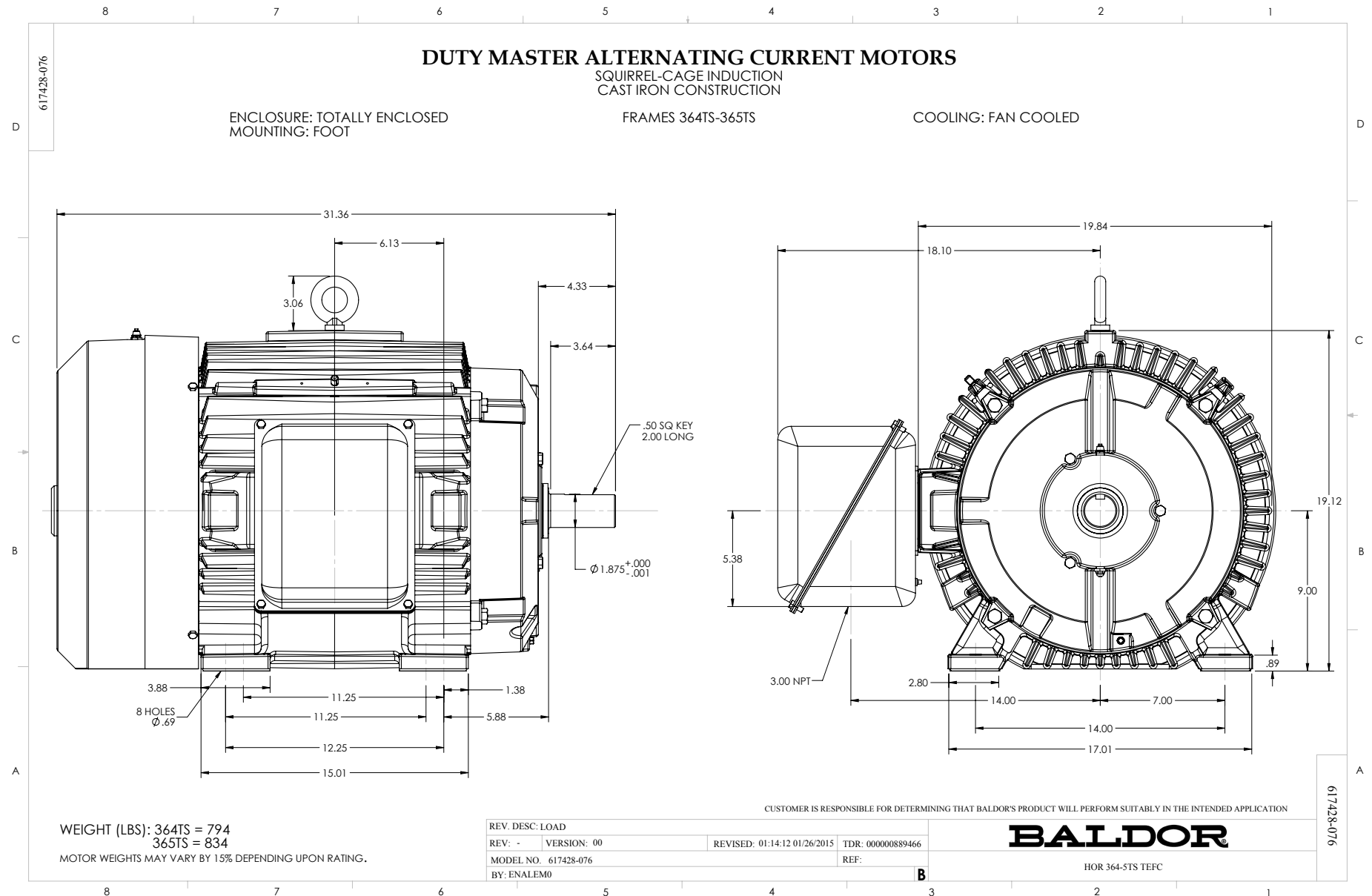
Nameplate NP2383L

CAT.NO.	EM4314TS	SPEC NO.	P36G3431
HP	60	AMPS	136/68
FRAME	364TS	RPM	1780
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	G
		POWER FACTOR	87
		NEMA-NOM-EFFICIENCY	95
		MAX CORR KVAR	10.0
		GUARANTEED EFFICIENCY	94.5
NEMA NOM/CSA QUOTED EFF			
	SUIT FOR 208V AT 149 AMPS	MOTOR WEIGHT	907

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TS	60	P	3/60	1780	230/460
AMPS		DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER
136/68		CONT	40/F	1.15	B	G
						TEFC
E/S	ROTOR		TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)	
492281	418141035YE		---	---	.0277/.110	
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR		% EFFICIENCY
NO LOAD	0	20.1	1800	4.67		0
1/4	15.0	25.8	1795	58.6		93.0
2/4	30.0	37.5	1791	78.7		95.2
3/4	45.0	51.9	1786	85.0		95.3
4/4	60.0	68.0	1781	87.0		95.0
5/4	75.0	85.1	1775	87.5		94.3
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD		TORQUE LB.-FT.	
LOCKED ROTOR		0	181		320	
PULL UP		720	161		285	
BREAKDOWN		1703	251		445	
FULL LOAD		1781	100		177	
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. 95.0 % GUARANTEED MIN. EFF. 94.5%						
BALDOR		DR. BY D. M. BYRD CK. BY J. P. TSAO APP. BY J. P. TSAO DATE 10/10/91		A-C MOTOR PERFORMANCE DATA A36WG0651-R002 ISSUE DATE 12/15/10		

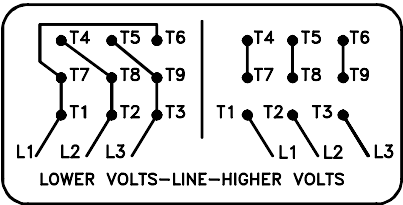
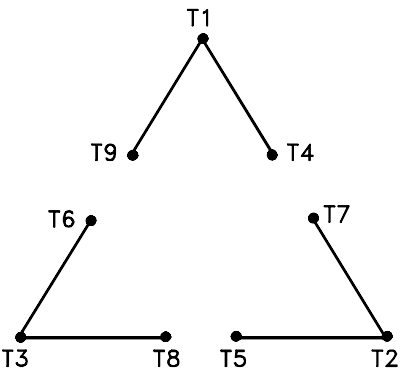






416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

416820-002

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\661		REVISED: 10: 47: 51 04/30/2010
MTL: -		BY: RAGRA

BALDOR	
CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED	
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