

**BALDOR® • RELIANCE** 

**Product Information Packet**

**CEDM3554**

**1.5HP, 1760RPM, 3PH, 60HZ, 56C, 3526M, TEFC, F1**

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM493	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35E4315	Layout:	35LYE4315	Poles:	04	Created Date:	04-12-2016
Base:	RG	Eff. Date:	01-06-2022	Leads:	9#18		

Specs			
Catalog Number:	CEDM3554	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	56C	Inverter Code:	Inverter Duty
Frame Material:	Steel	KVA Code:	L
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3526M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	73
	CSA EEV	Product Family:	Dirty Duty Plus
	CCSA US	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT

<b>Blower:</b>	None	<b>Shaft Extension Location:</b>	Pulley End
<b>Constant Torque Speed Range:</b>	6	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
<b>Current @ Voltage:</b>	4.400 A @ 230.0 V	<b>Shaft Rotation:</b>	Reversible
	4.500 A @ 208.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
	2.200 A @ 460.0 V	<b>Speed Code:</b>	Single Speed
<b>Design Code:</b>	B	<b>Motor Standards:</b>	NEMA
<b>Drip Cover:</b>	No Drip Cover	<b>Starting Method:</b>	Direct on line
<b>Duty Rating:</b>	CONT	<b>Thermal Device - Bearing:</b>	None
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Winding:</b>	None
<b>Feedback Device:</b>	NO FEEDBACK	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Face Code:</b>	Standard	<b>Winding Thermal 1:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 2:</b>	None

Nameplate NP3504E	
CAT NO	CEDM3554
SPEC.	35E4315M493G1
FRAME	56C HP 1.5
VOLTS	230/460
FLA	4.4/2.2 I.P. 56
RPM	1760 RPM MAX 2700
HZ	60 PH 3 CLASS F
SER.F.	1.15 DES B CC 010A
NEMA-NOM-EFF	86.5
RATING	40C AMB-CONT
DE BRG	6205 ODE BRG 6203
GREASE	POLYREX EM
C HP FR	60 C HP TO 90
CT HZ FROM	6 CT HZ TO 60
SER.NO	
	50C AT 1.0 SF
	ENCL TEFC
	VT HZ FROM 6
	VT HZ TO 60

Parts List		
Part Number	Description	Quantity
SA319757	SA 35E4315M493G1	1.000 EA
RA307466	RA 35E4315M493G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB1001A01E	SPL CONDUIT BOX, MACHINED (E-COAT)	1.000 EA
35GS1022A02	GASKET BOX .06 THK NEOP BLK HDN 30-40 DU	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
35EP1100F12EP5	FRONT TEFC 203 BRG W/ SEAL	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW4606A01	JM CLIPPER/SEAL (WDE-0667-1064-BH49)	1.000 EA
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP1300A113E	PUEP ENCL 205 BRG F/SEAL, (4).125 NPT	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A01EP5	IEC FH NO GREASER	1.000 EA
10XN1032S08	10-32X1/2 HEX HEAD S STL	3.000 EA
35CB4516E	CONDUIT BOX LID, E-COAT	1.000 EA
36GS1002	GASKET, 1/16" NEOPRENE CONDUIT BOX LID	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ5001A23	P.D. GEORGE B-276 AIR DRY VARNISH	0.001 GA
LB1000	LABEL, DIRTY DUTY	1.000 EA
MG2000A02	RUST VETO-377-HF HOUGHTON	0.001 GA
WD1000D21	TRM,T&B #B71M,RING,18-14,.25,NON-INSL	3.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
HA3100S07	THRUBOLT 10-32 X 8.375 SS	4.000 EA
MG1500Y02	WILKOPON PRIMER YELLOW	0.010 GA
MG1025L01	WILKOFASD FD, 786.04, BLACK	0.010 GA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP3504E	SS DIRTY DUTY PLUS INV UL CSA-C US EEV	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA

**AC Induction Motor Performance Data**

Record # 55768

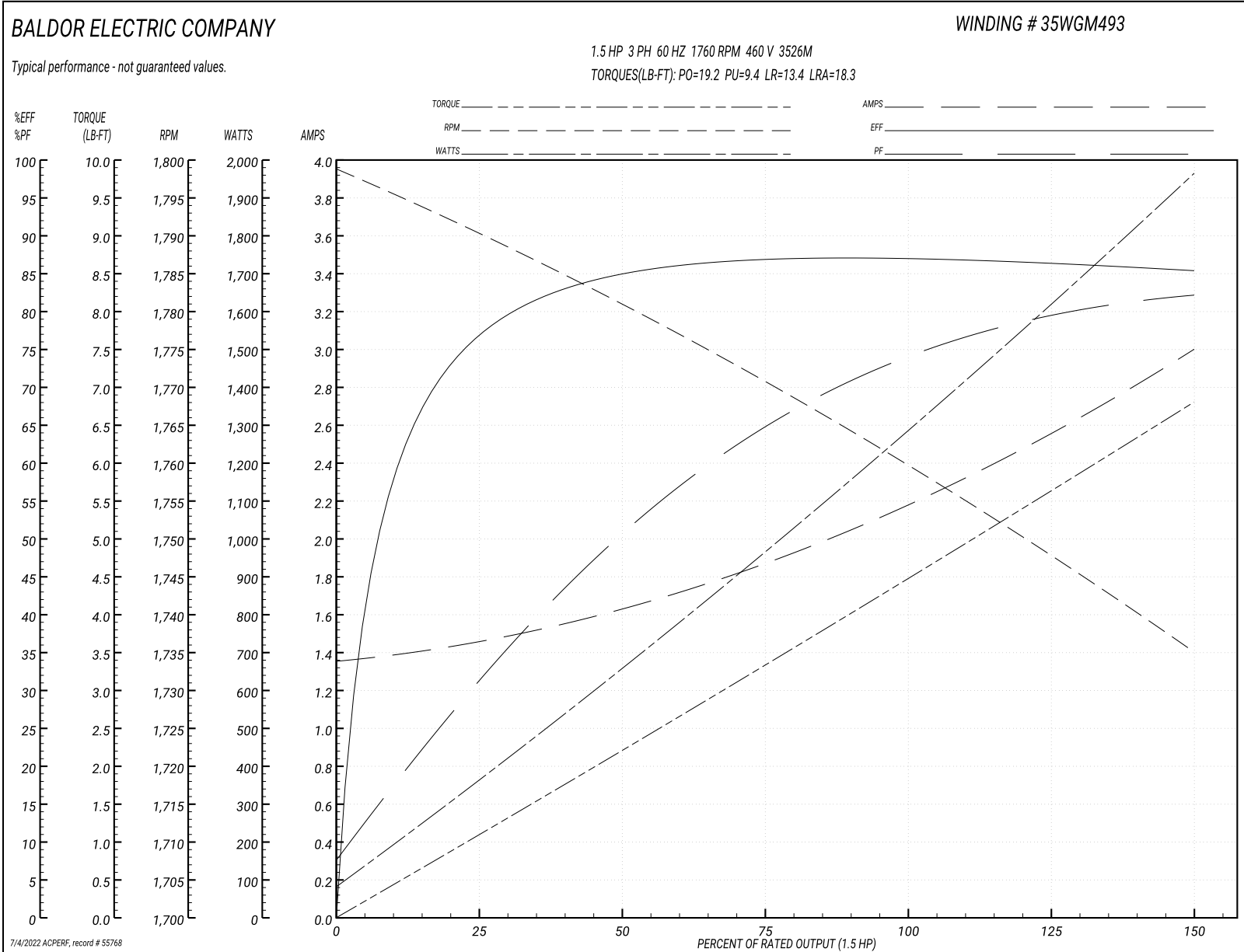
Typical performance - not guaranteed values

<b>Winding: 35WGM493-R086</b>		<b>Type: 3526M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	1.5	<b>Full Load Torque</b>	4.47 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	4.4/2.2	<b>Breakdown Torque</b>	19.2 LB-FT		
<b>R.P.M.</b>	1760	<b>Pull-up Torque</b>	9.4 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	13.4 LB-FT	
<b>NEMA Design Code</b>	<b>B KVA Code</b>	L	<b>Starting Current</b>	18.3 A	
<b>Service Factor (S.F.)</b>	1.15		<b>No-load Current</b>	1.37 A	
<b>NEMA Nom. Eff.</b>	86.5	<b>Power Factor</b>	73	<b>Line-line Res. @ 25°C</b>	10.66 Ω
<b>Rating - Duty</b>	40C	<b>AMB-CONT</b>		<b>Temp. Rise @ Rated Load</b>	44°C
<b>S.F. Amps</b>				<b>Temp. Rise @ S.F. Load</b>	53°C
				<b>Locked-rotor Power Factor</b>	51.5
				<b>Rotor inertia</b>	0.154 LB-FT <sup>2</sup>

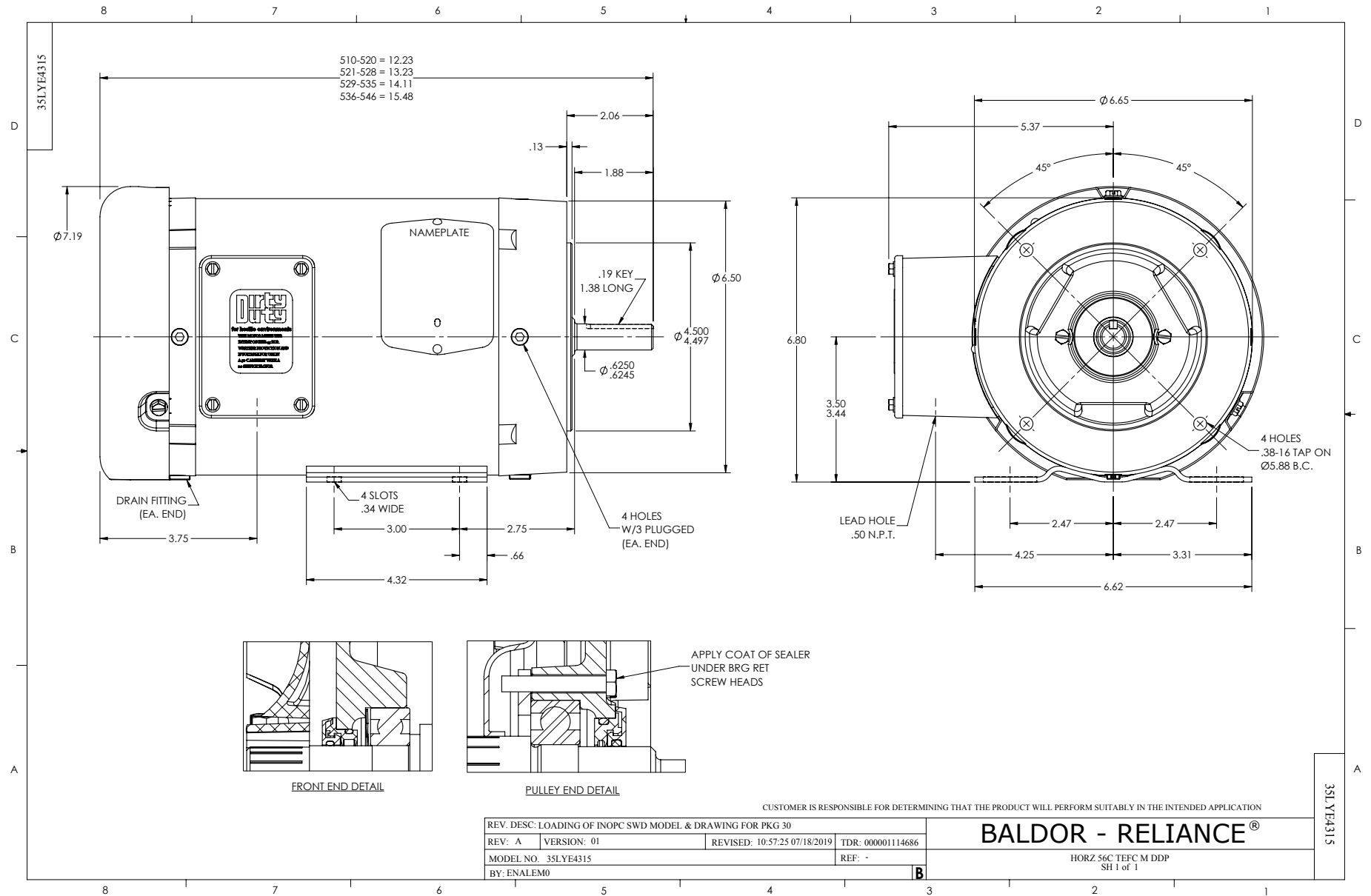
**Load Characteristics 460 V, 60 Hz, 1.5 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor</b>	31	51	65	73	79	83	77
<b>Efficiency</b>	75.9	84.5	86.8	87.1	86.4	85.4	86.7
<b>Speed</b>	1790.6	1781.1	1770.7	1760.1	1748.1	1734.9	1753
<b>Line amperes</b>	1.44	1.61	1.86	2.19	2.58	2.98	2.42

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values







CD0005

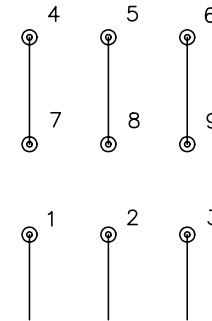


LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

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FILE: AAA00005140

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005

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