

BALDOR® • RELIANCE 

Product Information Packet

ZDM3774T

48M 4P TEBC HOR 215TC T'STATS VECTOR

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	07WGX776	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	07D515	Layout:	07LYD515	Poles:	04	Created Date:	03-12-2019
Base:	RG	Eff. Date:	04-16-2021	Leads:	9#14		

Specs			
Catalog Number:	ZDM3774T	Insulation Class:	H
Enclosure:	TEBC	Inverter Code:	Inverter Duty
Frame:	215TC	KVA Code:	H
Frame Material:	Iron	Lifting Lugs:	Standard Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	10.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	0748M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	82
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
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
Blower:	BLOWER	Shaft Extension Location:	Pulley End

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Current @ Voltage:	12.500 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	25.000 A @ 230.0 V	Shaft Rotation:	Reversible
Design Code:	A	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	ENCODER	Thermal Device - Bearing:	None
Front Face Code:	Encoder/Feedback Device	Thermal Device - Winding:	Normally Closed Thermostat
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1167L	
CAT NO	ZDM3774T
SPEC.	07D515X776Z1
FRAME	215TC HP 10 TE
VOLTS	230/460
MAG CUR	10.2/5.1 FLA 25/12.5
RPM	1760 RPM MAX 6000
HZ	60 PH 3 CLASS H
SER.F.	1.00 DES A SL HZ 1.3
NEMA-NOM-EFF	92.4 WK2 1.18
BLWR V	PH HZ A
RATING	40C AMB-CONT
DE BRG	6307 ODE BRG 6206
CC	010A SN

Parts List		
Part Number	Description	Quantity
SA371158	SA 07D515X776Z1	1.000 EA
RA360838	RA 07D515X776Z1	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
59XW2520G07	.25-20X.44,HEX SER WSHR,TAPTITE 2,GREEN	1.000 EA
37EP1100B61	FR TEBC 206 BRG W/ GRSR & THRU-SHAFT ENC	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP1300A01SP	FACE MT ENDPLATE-ENCL-307 BRG-213TC-215T	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A30	HEX HD CAP SCREW-STD THD-.25 X 20 THD PE	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	2.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013SP	GS FOR 09CB3501, 12CB1500 & 12CB1503 LID	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HA1005A11	SLINGER, OD 2.00, ID 1.15,	1.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
BLWM07-F	307 BLOWER ASSY. (07FH4015 & EF5100) F1,	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.036 GA
OE5011A04	HS25 ENCODER ASSY - TEBC	1.000 EA
HA3104A32	THRUBOLT- 5/16-18 X12.750	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
10XL3808A28	3/8 X 1 3/4" LAG SCREW	3.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
NP1167L	SS VEC UL CSA CC	1.000 EA
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.005 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 23292

Typical performance - not guaranteed values

Winding: 07WGX776-R007		Type: 0748M		Enclosure: TEBC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	10	Full Load Torque	29.8 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	25/12.5	Breakdown Torque	87 LB-FT		
R.P.M.	1760	Pull-up Torque	51.9 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	57.5 LB-FT	
NEMA Design Code	A	KVA Code	H	Starting Current	88.5 A
Service Factor (S.F.)	1		No-load Current	5.12 A	
NEMA Nom. Eff.	92.4	Power Factor	82	Line-line Res. @ 25°C	0.973 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	60°C	
			Locked-rotor Power Factor	35	
			Rotor inertia	1.18 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	44	67	78	82	84	85
Efficiency	90	92.9	93.1	92.5	91.4	90.1
Speed	1790	1781	1771	1762	1750	1739
Line amperes	5.84	7.52	9.75	12.3	15.2	18.3

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values

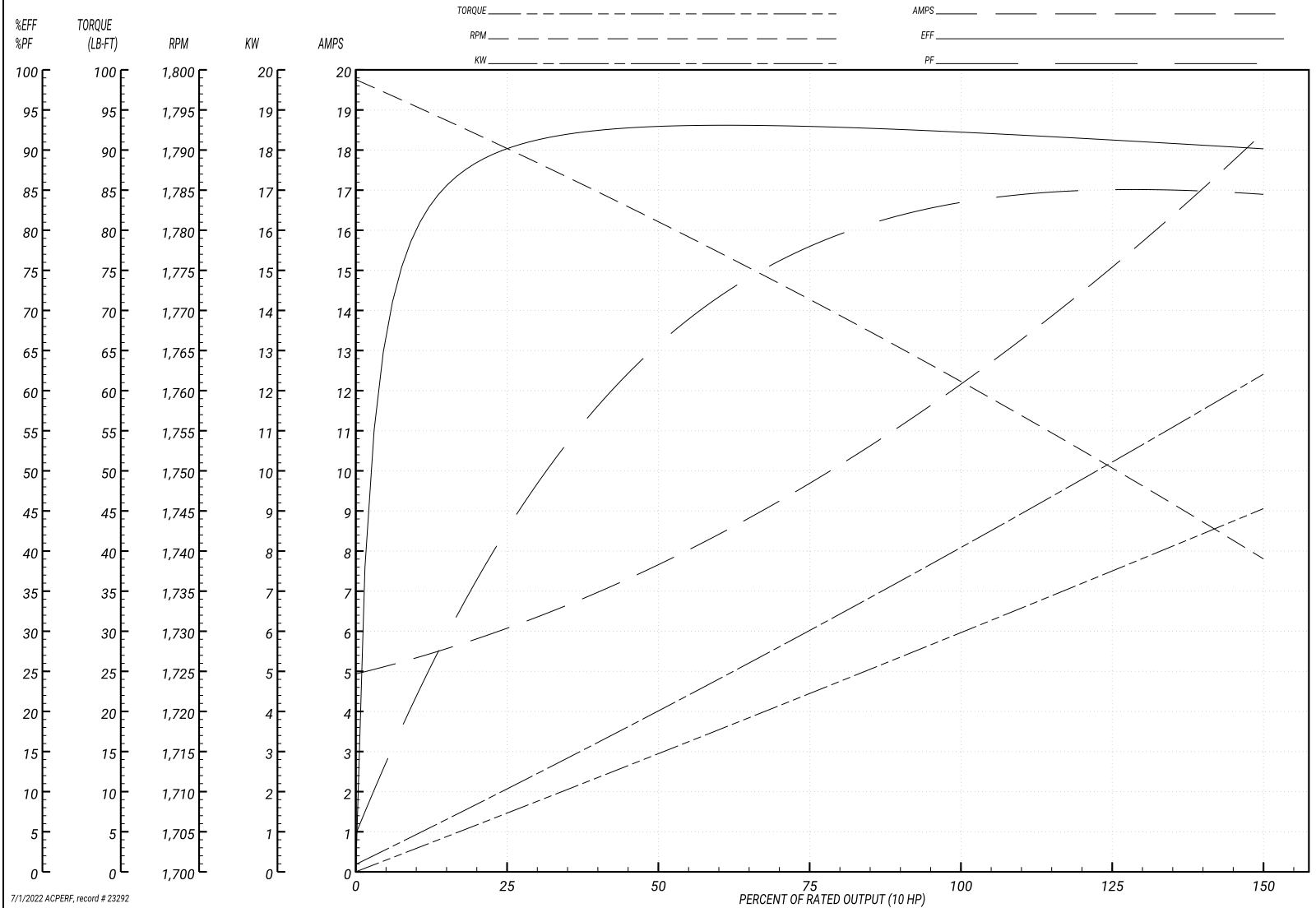
BALDOR ELECTRIC COMPANY

WINDING # 07WGX776

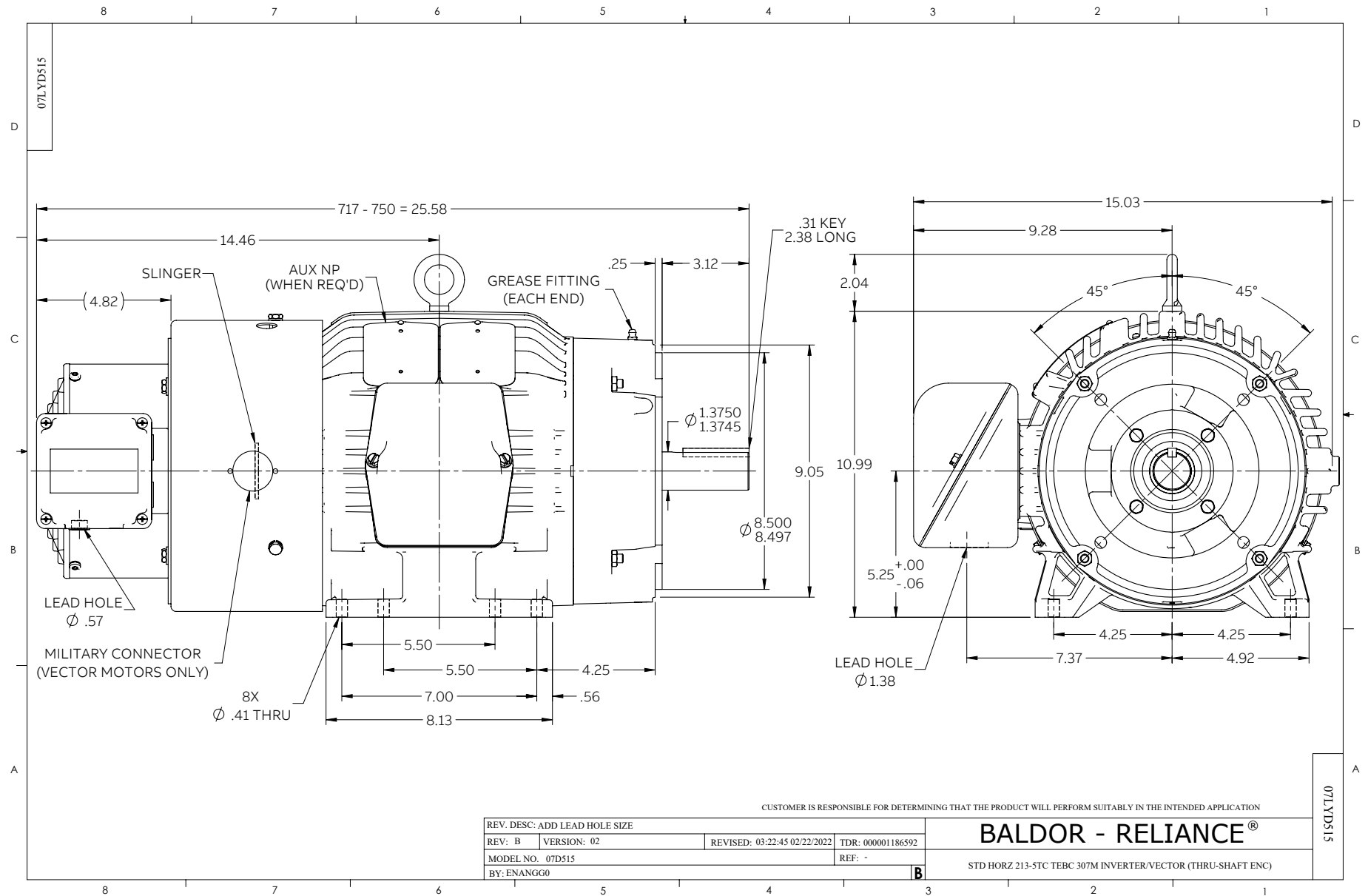
Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1760 RPM 460 V 0748M

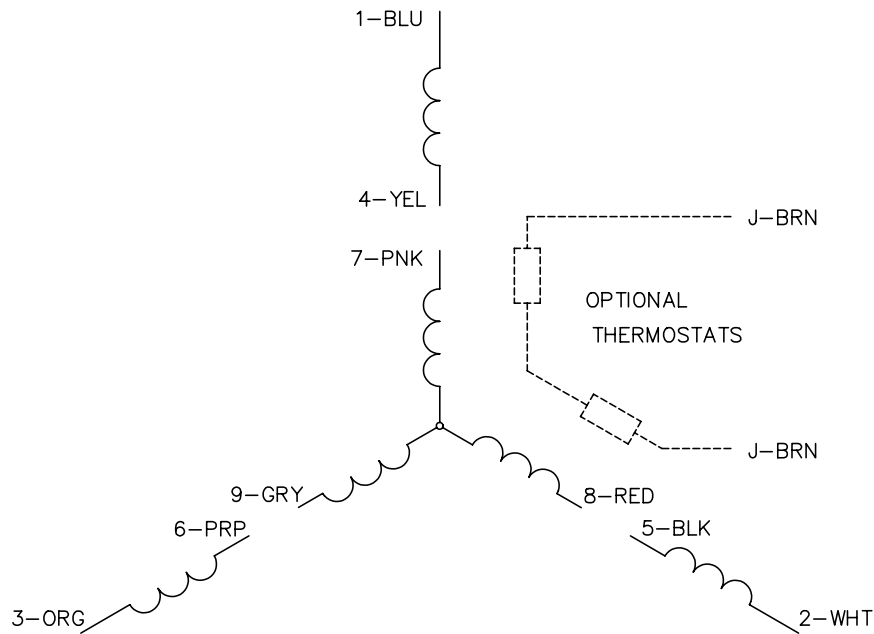
TORQUES(LB-FT): PO=87 PU=51.9 LR=57.5 LRA=88.5



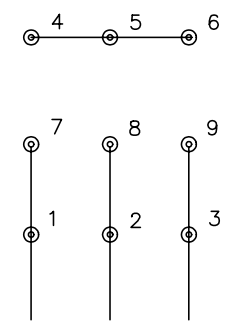
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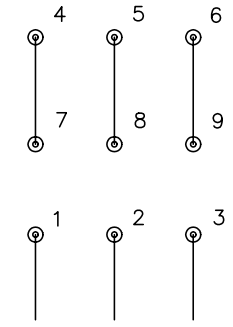
CD0005



LOW VOLTAGE
(2Y)



HIGH VOLTAGE
(1Y)



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
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005

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