



Asia Trafo Co., Ltd
SPECIFICATION OF OIL IMMERSED CURRENT TRANSFORMER

CURRENT TRANSFORMER SPECIFICATION

33 kV 100/5 A. 50 Hz.

30VA. Class 0.5

88/99 หมู่ 12 ซ. ศูนย์วิภาค อ.บางพลี - ตำหนุ ต.บางปลา อ.บางพลี จ.สมุทรปราการ 10540 Tel. (02) 346-0980-7 Fax. (02) 346-0978-9

88/99 Moo.12 Soi sunthonwipark Bangplee -tumroo Road Bangpra Bangplee samuthprakarn 10540 Tel. (02) 346-0980-7 Fax. (02) 346-0978-9

SPEC NO.

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TECHNICAL DATA FOR 33 kV 100/5 A. 50 Hz. 30VA. Class 0.5 FS < 5

No.	Description			Unit	Guaranteed Value	
	33 kV 100/5 A current transformers					
1	Manufacture's name			-	ASIA TRAF0 CO.,LTD.	
2	Country of origin			-	Thailand	
3	Type of transformer			-	Outdoor Installation	
4	Applied standard			-	IEC 61869-1, IEC 61869-2	
5	Type of outer insulation			-	Oil Immersed	
	Rating					
7	Nominal voltage			kV	33	
8	Highest voltage for equipment Um			kV	36	
9	Rated primary current			A	100	
10	Rated secondary current			A	5	
11	Rated frequency			Hz	50	
12	Rated Burden			VA	30	
13	Accuracy class			-	0.5	
14	Minimum nominal specific creepage distance			mm/kV	≥ 25	
15	Rated power frequency withstand voltage on primary and secondary winding			kV,r.m.s	70/3	
16	Rated lightning impulse withstand voltage			kV,peak	170	
17	Class of insulation			-	A (105 °C)	
18	Rated short-time thermal current (Ith), 1s			kA	0.1 x In	
19	Rated dynamic current (Idyn)			kA	2.5 x Ith	
	Weight / dimensions and installation					
20	Primary terminals / Primary connector			-	NEMA Pad/ 2 holes	
21	Secondary terminals			-	Brass threaded stud type / M6	
22	Earth terminal			-	for 35-50 mm ²	
23	Altitude			-	Up to 1,000 m above sea level	
24	Maximum temperature-rise test of winding			k	60	
25	Maximum ambient temperature			°C	40	
26	Dimension (WxLxH)			mm	277 x 470 x 645	
27	Total weight (approx.)			kg	29	
	Other					
28	Accessories as per the specification			-	Yes	
	Test requirements					
29	Type test reports			-	Yes	
30	Routine test reports			-	Yes	
Rev		Date	Prepared by	Checked by		Approved by Signature
00		12/6/2566	รัฐมนตรา	กิตติ		กิตติ
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Accessories

- HV & LV Bushing with terminal connectors
- Bird guard cap
- Earthing terminal
- Other ... Factory standard

Type test

- Temperature-rise test
- Short-circuit withstand capability test
- Lightning impulse test
- Wet test for outdoor type transformer
- Test for accuracy

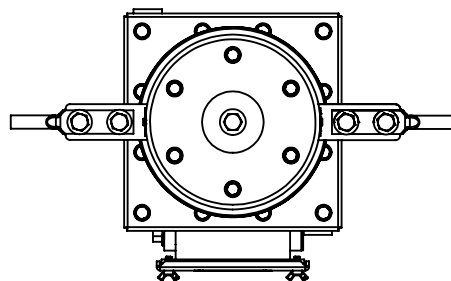
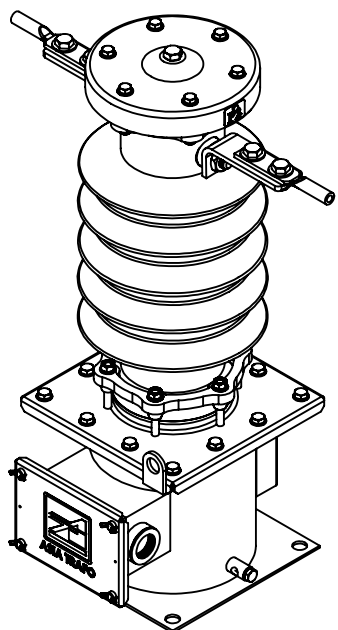
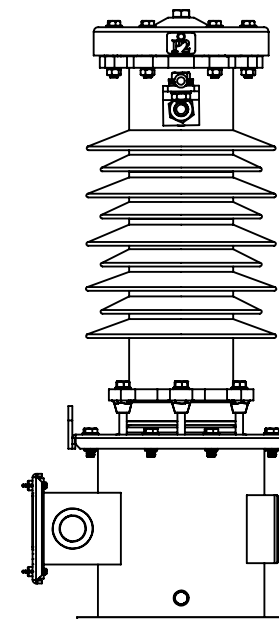
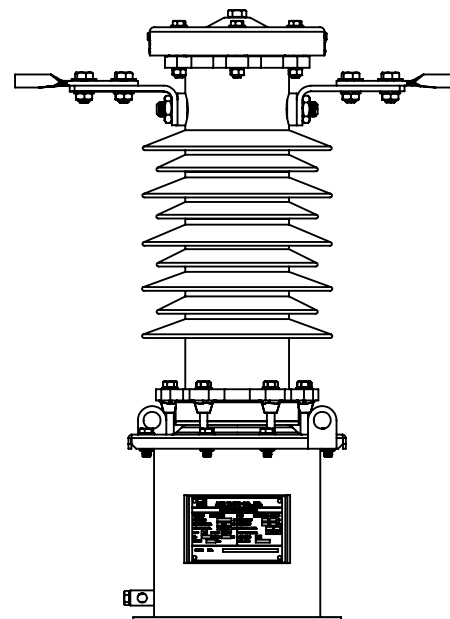
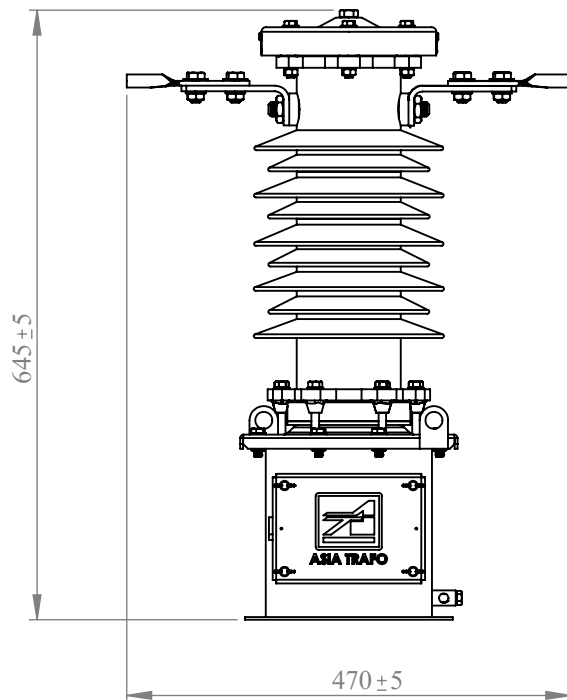
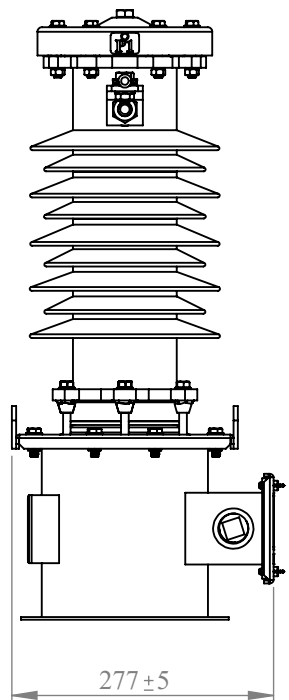
Routine test

- Verification marking
- Insulation resistance
- Power frequency voltage withstand tests on primary terminals
- Power frequency voltage withstand test on secondary terminals
- Partial discharge measurement
- Inter-turn overvoltage test
- Test for accuracy

■ with

□ without

Rev	Date	Prepared by	Checked by	Approved by	Signature
00	12/6/2566	รัฐมนตรา	กิตติ	กิตติ	
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Dimension in millimeter				
H	L	W	Weight(kg)	Oil(L)
645	470	277	34	4

△		DESIGNED	รัฐมนตรา	12/6/2566	WORK NO : QTY.....EA
△		CHECKED	กิตติ	12/6/2566	
Rev.No.	Revision Note	APPROVED	กิตติ	12/6/2566	REV:0 SHEET 1 OF 1



บริษัท เอเชีย ทราฟ จำกัด
ASIA TRAF0 CO.,LTD



DIMENSION IN MILLIMETER

MODEL/DESCRIPTION:

CT 100/5A

DWG:

100/5-33-01

WORK NO :

QTY.....EA

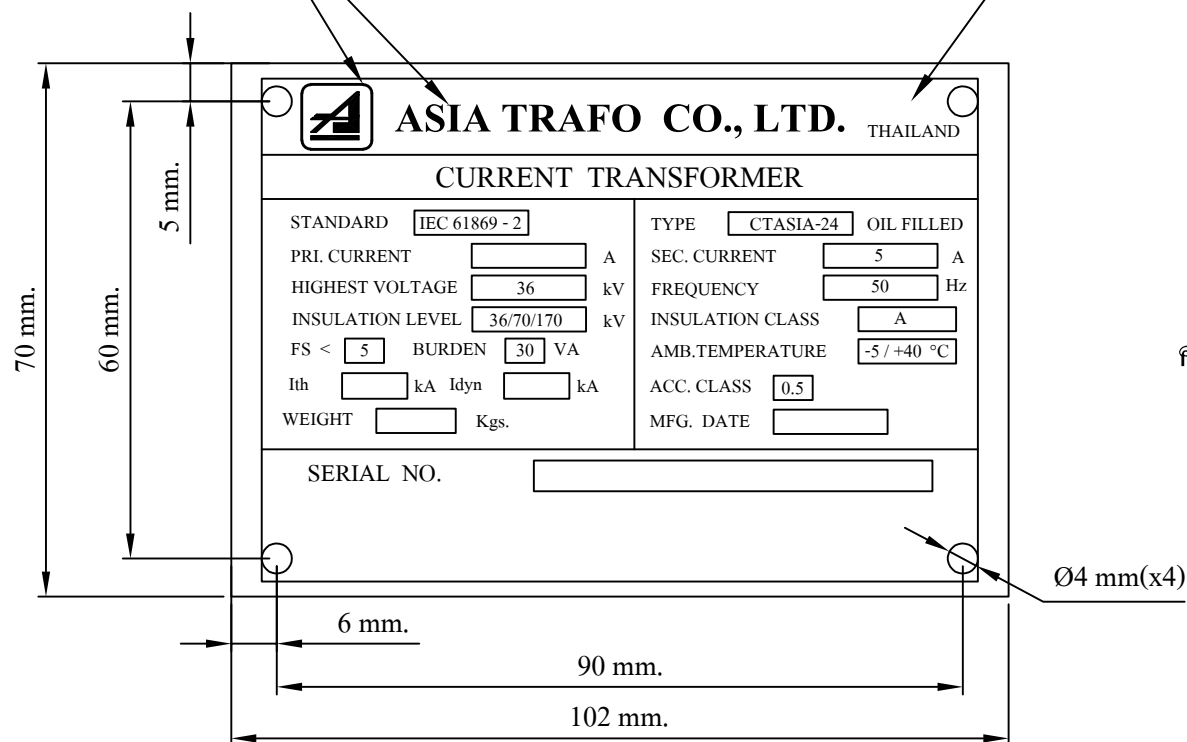
SCALE:

REV:0

SHEET 1 OF 1

ขอบนอกช่องตัวหนังสือและเส้น (สีอะลูมิเนียม)

พื้น(สีน้ำเงิน)



ความหนา 1 มิลลิเมตร (mm)

△		DESIGNED	รัฐมนตรา	12/6/2566	QTY..... EA	
△		CHECK	กิตติ	12/6/2566	SCALE :	
Rev No.	Revision Note.	APPROVED	กิตติ	12/6/2566	REV : 00	SHEET 1 OF 1