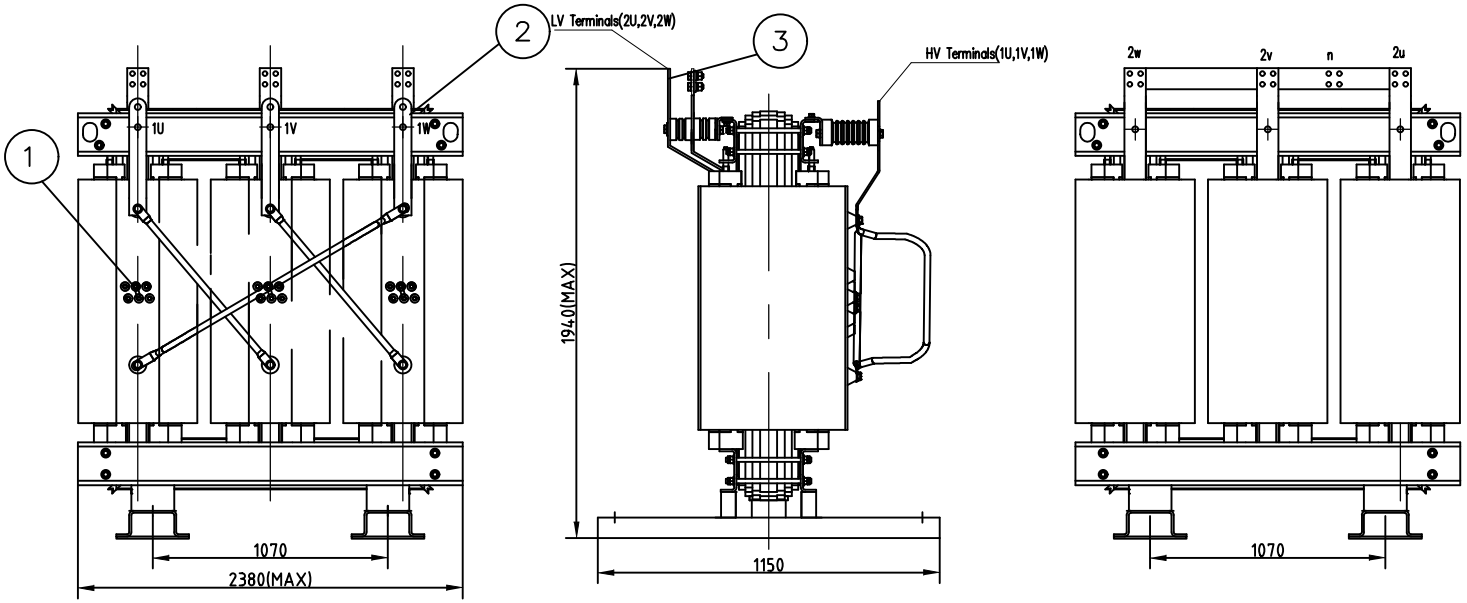
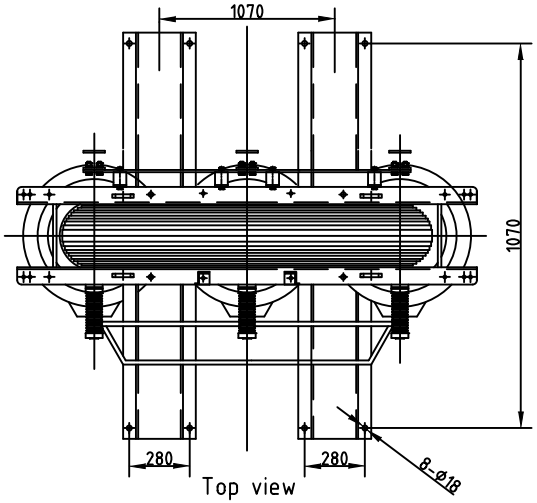
REV.	DATE	DESCRIPTION	APPROVED
C			
B			
A			



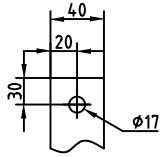
MV side front view | Side view | LV side front view

Tap	Voltage	Amps	Connections
A	14490		1-2
B	14145		2-3
C	13800	104.6	3-4
D	13455		4-5
E	13110		5-6

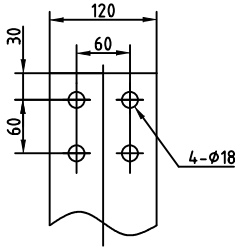


Top view

Primary terminal
Copper bus t=4

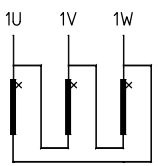


secondary terminal
Copper bus t=15



Standards	IEC 60076-11				
Rated power	2500	kVA	Frequency	60	Hz
Rated Primary voltage	13.8	kV	Impedance	6	%
Rated secondary voltage	0.48	kV	Weight	5900	kg
Off-Load Tapping on MV Coil	±2x2.5	%	Phase	3	
Winding Material (MV/LV)	AL/AL		Vector group	Dyn1	
Climatic Class	C2		Type of cooling	AN	
Environmental Class	E2		Insulation class	H	
Fire Behaviour Class	F1				
Power Frequency Withstand Voltage (MV/LV)			38/3	kV	
Lightning Impulse Withstand Voltage (MV/LV)			95/-	kV	
Average Winding Temp. Rise (MV/LV)			125	K	
Losses - No Load (W):4900			Losses - 100% Load@145°C (W): 21000		

MV side



LV side

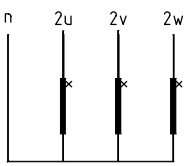
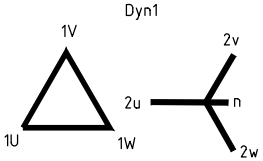
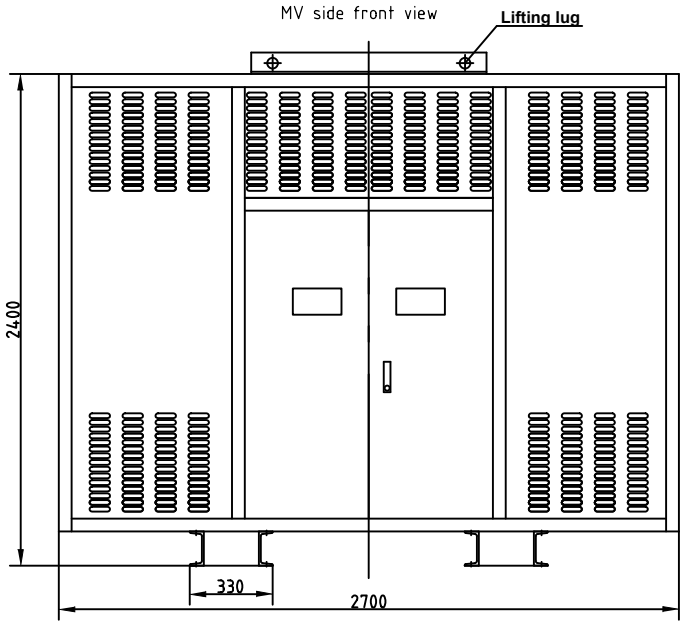


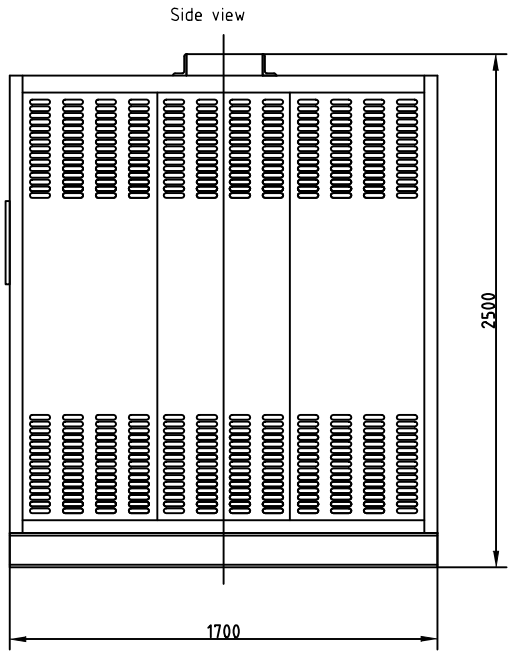
DIAGRAM VECTOR
Dyn1

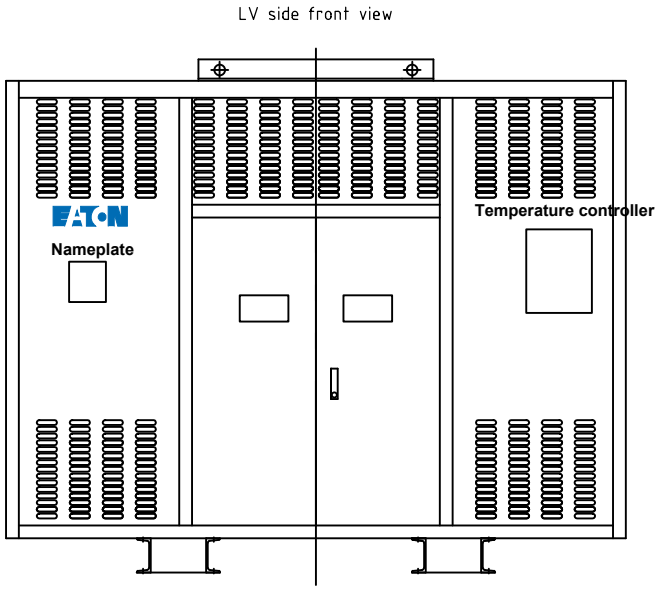


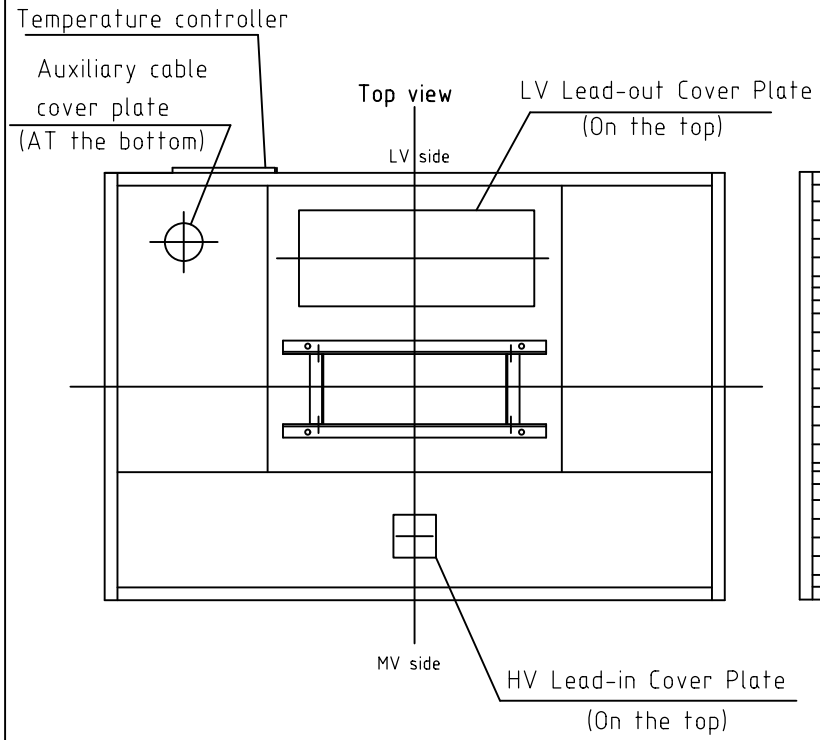
Item	Q'TY	Description	Reference
6			
5			
4			
3	4	Secondary terminal	
2	3	Primary terminal	
1	6	MV taps	

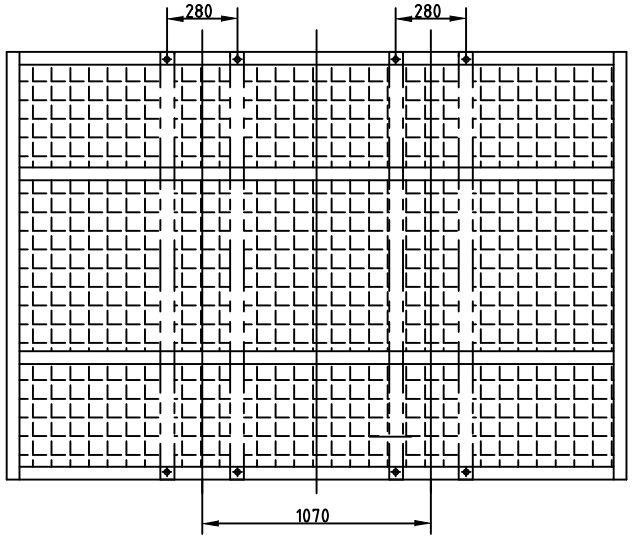
CLIENT			
MANUFACTURER	EATON Eaton Transformer(Jiangsu)Co,Ltd		
DWG NO:			
TITLE	SCLB-2500/13.8/0.48 cast coil dry-type power transformer outline drawings		
DRAWN	CHECKED	APPROVED	DATE
Tangjp	ZhaoLL	LiuZ	20250730
SCALE	SIZE	REV	SHEET
1:1	A3	A	1 of 1











Note:

1. Cold plate spray shell,IP20,2.0mm thick,color RAL7035.
2.There are no special requirements for the clearance between adjacent transformer shells, as well as a distance of 500mm from walls and other obstacles.

C				DRAWN	CHECKED	APPROVED	DATE
B				Tangjp	ZhaoLL	LiuZ	20250730
A				SCALE	SIZE	REV	SHEET
REV.	DATE	DESCRIPTION	APPROVED	1:1	A3	A	2 of 2

CLIENT	
MANUFACTURER	EATON Eaton Transformer(Jiangsu)Co,Ltd
DWG NO:	
TITLE	SCLB-2500/13.8/0.48 cast coil dry-type power transformer enclosure drawings