

DMH SERIES

MODULER METAL ENCLOSED CUBICLES

DMH SERIES MODULER METAL ENCLOSED CUBICLES

DMH series Metal Case Modular Cubicles which are produced by our company, have been designed and tested to be used for all energy distribution systems till 40.5kV

Moduler Metal Enclosed Cubicles appear as the optimal solution with their easiness of taking operation by means of their moduler structure and with their module apposition characteristic for companies.

DMH series Metal Case Modular Cubicles are manufactured pursuant to TEDAS Specifications, IEC Standarts and TSE.

THE ADVANTAGES OF THE SYSTEM

- ✓ Because of moduler structure requirement the system is changeable and the system can extend with addition modules.
- ✓ The system can be mounted easily.
- ✓ Its structure doesn't require maintenance.
- ✓ Space saving owing to small dimensions
- ✓ Suitability for SCADA systems
- ✓ Maximum operator security which doesn't cause usage faults, with various mechanic and electrical lockings

RELATED STANDART, REGULATIONS AND SPECIFICATIONS

IEC 60529 PROTECTION CLASS (COMPRISES WHOLE) IEC 60694 TEST INSTRUCTION (COMPRISES WHOLE)		
CIRCUIT COMPONENTS	MODULER METAL ENCLOSED CUBICLE	CONCRETE BUILD
IEC 60265-1 SWITCHGEAR	IEC 62271-200 MODULER METAL ENCLOSED CUBICLE	IEC 61330
IEC 62271-100 BREAKER	IEC 62271-105 FUSE COMPOUND	
IEC 62271-102 EARTHING SWITCHGEAR	IEC 60044-1 DIMENSION TRANSFORMER	
	IEC 60044-2 DIMENSION TRANSFORMER	

CURRENT INSTUTATION REGULATIONS WITH ELECTRIC POWER (30 November 2000)

TECHNICAL CHARACTERISTICS

Type: DMH Series

Rated Voltage	=12-24-36-40.5kv
Rated current	= 630-1250 A
Rated short-circuit current	= 16 kA
Rated peak withstand current	= 40 kA
Rated frequency	= 50/60 Hz

Short-time power frequency withstand voltage (1 min.)

Phase to phase and phase to earth distance	=28-50-70-95kV
Division Distance (Open Position)	=32-60-80-110kV

Lighting impulse withstand voltage 1,2/50 us

Phase to phase and phase to earth distance	=75-125-170-185kV
Division Distance (Open Position)	=85-145-195-215kV
Inside arc withstand 1 sec.	= 16 kA



LOAD BREAK SWITCH

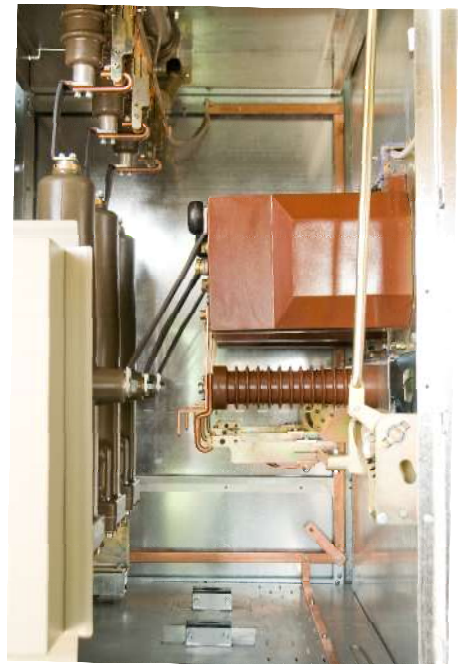
Type: DY.1.AG-3

Rated Voltage	=12-24-36-40.5kV
Rated closed-circuit breaking current	= 630A
Rated ungeared cable breaking current	= 20 A
Rated ungeared line breaking current	= 2A
Rated short-circuit making current	= 40 kA Tepe
Class (Electrical)	= E 3
Class(Mechanic)	= M 1

EARTHING SWITCHGEAR

Type: DES.16M1

Rated Current	=12-24-36-40.5kV
Rated Short-Time Withstand Current	= 16 kA - Etken
Rated short-circuit making current	= 40 kA - Tepe
Class	= E2



FUSES

Striker with pin Standart (Standart TS 1259 / IEC 60281-1)	=12-24-36-40.5kV
Type "medium"	=292-442-537-537mm

SF6 GAS CIRCUIT BREAKER

PRESENTATION

Demitaş SF6 gas circuit breakers are produced in accordance with TSE 3039 also they have been tested at accredited laboratories which are accepted by all the world according to IEC 62271-100 and they have test certificates.

INTRODUCTION

Demitaş SF6 gas circuit breakers are suitable for all system requirements up to 40.5kV rated voltage,1250 A rated current.Sulphur hexafluoride for insulation and breaking is used in Demitaş SF6 gas circuit breakers.The extinguishing chamber and components are kept in a sealed pressure system type envelopes with high insulation.

SF6 GAS AND INTERRUPTING SYSTEM

SF6 gas has very dielectric and normally it is (without the effect of the electrical arc) non-toxic,odourless and has electronegative fast regeneration features.The dielectric strength of SF6 gas atmospheric pressure is approx.2,5 or 2,6 times more than the air.

CIRCUIT BREAKER POLE

The pole enclosures are produced from epoxy resin which has overpressure security factor higher than 10 times of the operational pressure.In the pole enclosures,the fixed contacts are at the top.The gas leakages are kept at minimum level to ensure the operational security during the life of the pole.Measuring the internal pressure,as needed ingas filling and gas addition operations,can be controlled with a valve which is installed on the pole cover.The arc breaking system is self blowing (PUFFER) type.The pole internal gas pressure is 1,5-3,5 bars.During the arc interrupting,pressure increases momentary just a little.In the event of overpressure in a pole,the bottom cover will break at 1/3 of pole withstand pressure,allowing excess pressure to escape instantaneously.In order to neutralise the chemical products which were created during breaking,moleculer sieves are put in the poles.

THE EQUIPMENT LIST USED IN DMH SERIES MODULER METAL ENCLOSED CUBICLES



TECHNICAL DATA	TYPE	AG 2-30 DS 5AG-3				
Rated Voltage	kV	12	17,5	24	36	40.5
Rated Current	A	630-1250	630-1250	630-1250	630-1250	630-1250
Rated Short Circuit Breaking Current	kA	16-25	16-25	16-25	16-25	16-25
Rated Short Circuit Making Current	kA	40-63	40-63	40-63	40-63	40-63
Rated Short Time Current	kA	16-25 40-63	16-25 40-63	16-25 40-63	16-25 40-63	16-25 40-63
Rated Cable Charging Breaking Current	A	25	31,5	31,5	50	50
Rated Lighting Impulse Withstand Voltage	kV	75	95	125	170	185
Rated Power Frequency Withstand Voltage (1 min)	kV	28	38	50	70	95
Capacitor Breaking Current According to Rated Current	630 A 1250 A	400 A 400 A	400 A 400 A	400 A 400 A	400 A 400 A	400 A 400 A
DC Component	%	35	35	35	35	35
Rated Operating Sequence	O - 03 s - CO - 3 min CO					
Operating Times	Opening	ms	45 ± 5			
	Breaking	ms	55			
	Closing	ms	65 ± 5			
Ambient Temperature	-25° C + 40° C					
Average Relative Humidity	Over 24 h Over 1 Month	< 95 % < 90 %				
Mechanical Endurance	Clas	M2				
	Number Of Operations	10000				
Electrical Endurance	Clas E2					
Number of switching operations at full iso value	100					

VACUUM CIRCUIT BREAKER

INTRODUCTION

Demitas vacuum circuit breakers are suitable to IEC 56/IEC 62271-100 and TS EN 62271-100 standards. They have got the certificate of suitability about IEC 60 056 and IEC 60 694 standards from ICMET high power laboratory.

Demitas vacuum circuit breakers can be used for the range of rated voltage up to 40.5kV and rated normal current up to 2500 A.

They don't need any maintenance process. They have got long mechanical and electrical life. They have got enough speed about reclosing and reliability.

ABOUT VACUUM POLES

The rated operating current can be interrupted at least 20.000 times and the rated short-circuit breaking current 100 times because contact erosion is extremely small.

Switching vacuum does not produce any by-products. The hermetically sealed vacuum interrupter ensures that there is no interaction with the environment.

Because of contact pressure applied the very low contact resistance remains practically constant regardless of the number of switching operations carried out. Furthermore, the fact that the contacts can not oxidise ensures that they remain metallically clean even after years of operation.

ARC EXTINGUISHING

When the contacts separate, the current to be interrupted initiates a metal vapour arc discharge and flows through this plasma until the next current zero. The arc is then extinguished and the metal vapour condenses on the inner surfaces of the arc chamber within a few microseconds, resulting in rapid building up of dielectric strength.

The contacts are so designed as to rotate the arc over their surface by the self-generated magnetic field. This prevents localized overheating during the interruption of large currents. The contacts are made of special materials to ensure that the chopping current is limited to 45 A.

CURRENT CARRYING CAPACITY

Permissible load current at 50 Hz for the vacuum circuit breakers according to ambient temperatures.
(Standard IEC 60 694)



TECHNICAL DATA	TYPE	AG 2-30		DS 5AG-3		
Rated Voltage	kV	12	17,5	24	36	40,5
Rated Current	A	630-1250	630-1250	630-1250	630-1250	630-1250
Rated Short Circuit Breaking Current	kA	16-25	16-25	16-25	16-25	16-25
Rated Short Circuit Making Current	kA	40-63	40-63	40-63	40-63	40-63
Rated Short Time Current	kA	16-25 40-63	16-25 40-63	16-25 40-63	16-25 40-63	16-25 40-63
Rated Cable Charging Breaking Current	A	25	31,5	31,5	50	50
Rated Lighting Impulse Withstand Voltage	kV	75	95	125	170	185
Rated Power Frequency Withstand Voltage (1 min)	kV	28	38	50	70	95
Capacitor Breaking Current According to Rated Current	630 A 1250 A	400 A 400A	400 A 400A	400 A 400A	400 A 400A	400 A 400A
DC Component	%	35	35	35	35	35
Rated Operating Sequence	O - 03 s - CO - 3 min CO					
Operating Times	Opening	ms		45 ± 5		
	Breaking	ms		55		
	Closing	ms		65 ± 5		
Ambient Temperature	-25° C + 40° C					
Average Relative Humidity	Over 24 h Over 1 Month			< 95 % < 90 %		
Mechanical Endurance	Clas	M2				
	Number Of Operations	10000				
Electrical Endurance	E2	100				
Number of switching operations at full iso value						
Rated Current	A	630	630	630	630	630
		1250	1250	1250	1250	1250
		1600	1600	1600	1600	1600
		2000	2000	2000	2000	2000
		2500	2500	2500	2500	2500

SF6 GAS LOAD BREAK SWITCH

DY.1.AG-3 Type DEMİTAŞ mark SF6 Gas Load Break Switches are produced in accordance with IEC standards and also they were tested and approved in international test laboratories.

They are used for the purpose of the system to make opening and closing below load.SF6 gas has been used in load break switches for insulation and it has leakproofing characteristic for 20 years.

EXCELLENT CHARACTERISTICS

External Earthing: It is the most reliable system for users,the earthing system is not in load break switch,it is out of load break switch,and so it is visible.There is not any other type more reliable than this.

Single Operating Pin : The system has been operated by single operating pin and Load Break Switch and Earthing controls are commanded by separately pins.This is the optimal solution for staff safety.

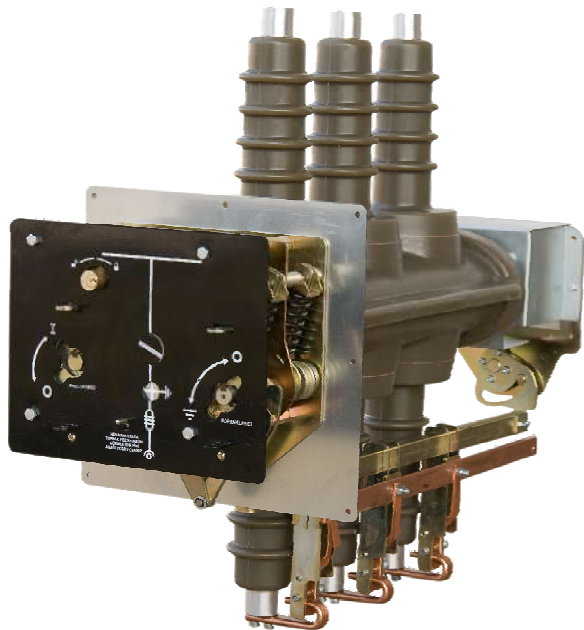
Pressure Explosion Valve : A weakened area has been created behind part the load break switch.In this way the inside arc consisted in within and high pressure blow up this weakened area and so it is provided that the arc to be directed to behind part.This is the best system for the cubicle not to be damaged.

Whole Epoxy Body : This is the best choice because of the fewness of conjunction points and whole insulated body.

Remote Control : Charging,opening and closing operations can be radio controlled safely.

THE ADVANTAGES OF THE SYSTEM

- Because of moduler structure requirement the system is changeable and the system can extend with addition modules.
- The system can be mounted easily.
- Its structure doesn't require maintenance.
- Space saving owing to small dimensions
- Suitability for SCADA systems
- Maximum operator security which doesn't cause usage faults,with various mechanic and electrical lockings



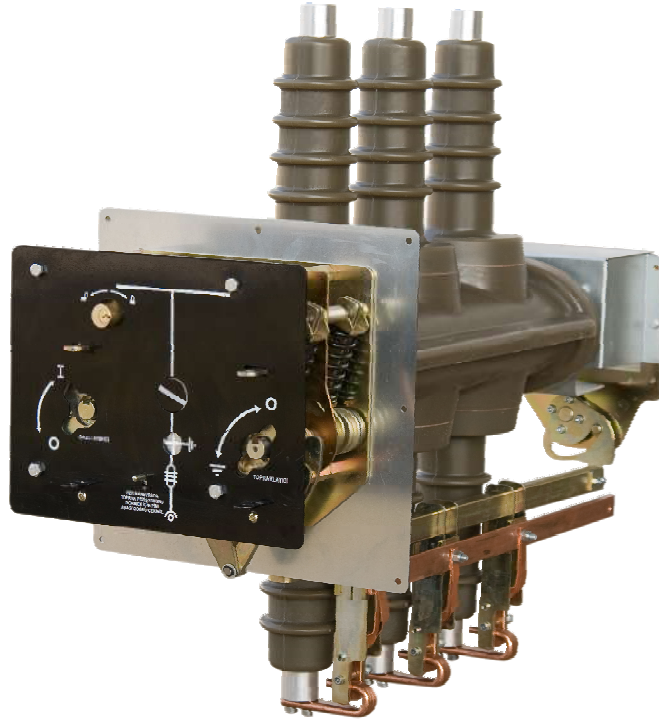
ELECTRICAL CHARACTERISTICS

Type	DY.1 AG-3
Rated Voltage	24-36-40.5kV
Rated Current	630-1250 A
Rated short-time current	16-25kA
Rated power frequency withstand voltage (1 min.)	50-70-95 kV
Rated lighting impulse withstand voltage 1,2/50 us	125-170-185kV/Peak
Class (Electrical)	E3
Class (Mechanic)	M1
Command control (Charging)	Manual
Command control (opening-closing)	Remote control
Charging with motor	Optional
Fuse combination	Optional

SF6 GAS SWITCHGEAR

DY.1AG-3 type DEMİTAŞ mark SF6 Gas Switchgears are a kind of switching component which are used for out of gear (unloaded) opening and closing operation, and for providing the insulation of the circuit safely.

Earthing system is out of the switchgear like SF6 Load Break Switches. This is an important safety precaution for user.



ELECTRICAL CHARACTERISTICS

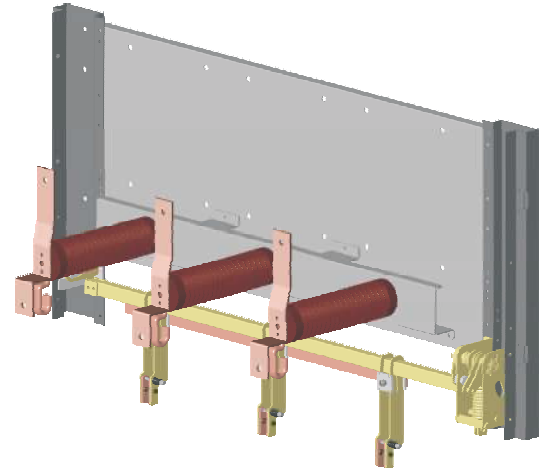
Type	DY.1AG-3
Rated Voltage	24-36-40.5kV
Rated Current	400-630-1250-1600A
Rated short-time current	16-25kA
Rated power frequency withstand voltage (1 min.)	50-70-95kV
Rated lighting impulse withstand voltage 1,2/50 us	125-170-185kV/Peak
Command control (Charging)	Manual
Command control (Opening-Closing)	Manual

EARTHING SWITCHGEAR

It has been produced for the purpose of the broken phases to be earthed, and it was tested and approved by international test laboratories.

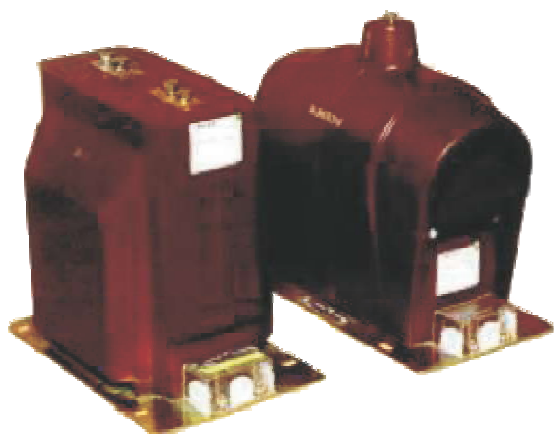
DES.16.M1 type earthing switchgear is an E2 class switchgear which can make 5 times closing onto short circuit.

ELECTRICAL CHARACTERISTICS	
Type	DY.1AG-3
Rated Voltage	24-36-40.5kV
Rated short-time current	16kA
Rated power frequency withstand voltage (1 min.)	50-70-95kV
Rated lightning impulse withstand voltage 1,2/50 us	125-170-185kV/Peak
Class	E2



CURRENT AND VOLTAGE TRANSFORMERS

The current and voltage transformers which are used in DMH series Demitaş mark moduler metal enclosed cubicles, are in accordance with IEC 60044-1 and IEC 60044-2 and were tested and approved by international test laboratories.



EXCESSIVE CURRENT RELAY

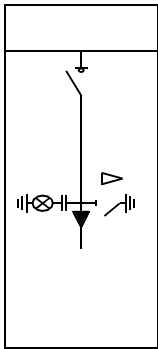
The excessive current transformers which are used in DMH series Demitaş mark moduler metal enclosed cubicles, are in accordance with IEC 60255 and TEDAŞ specifications and were tested and approved by international test laboratories.

They are used to protect all switching components from the short circuit and excessive currents occurred in the system.

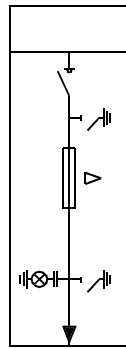


DMH SERIES MODULER METAL ENCLOSED CUBICLES

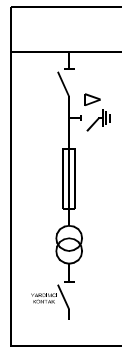
DMH-01 INLET-OUTLET CUBICLE WITH LOAD BREAK SWITCH



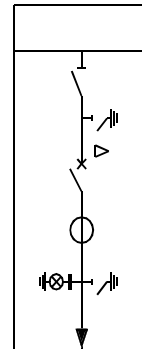
DMH-02 LOAD BREAK SWITCH+FUSE COMBINED (TRANSFORMER PROTECTION) CUBICLE



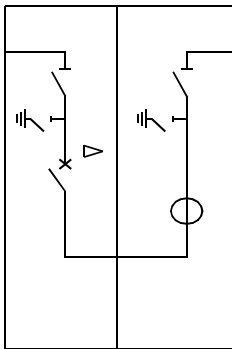
DMH-03 VOLTAGE TRANSFORMER CUBICLE



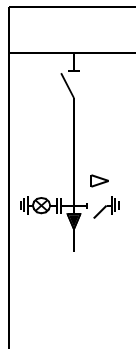
DMH-04 INLET-OUTLET CUBICLE WITH CIRCUIT BREAKER



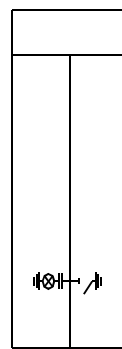
DMH-05 BAR CONNECTING (BUSBAR COUPLING) CUBICLE



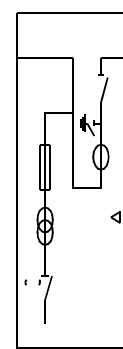
DMH-06 INLET-OUTLET CUBICLE WITH SWITCHGEAR



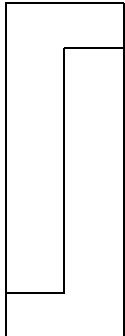
DMH-07 CABLE CONNETION CUBICLE



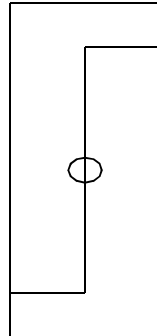
DMH-08 CURRENT-VOLTAGE MEASURE CUBICLE



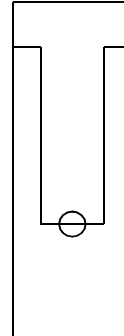
DMH-09 BUSBAR RAISING CUBICLE



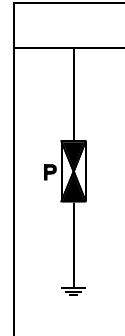
DMH-10 CURRENT MEASURE BUSBAR RAISING CUBICLE



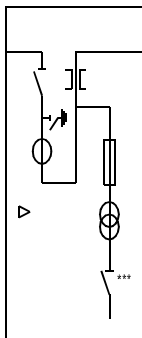
DMH-11 CURRENT MEASURE CUBICLE



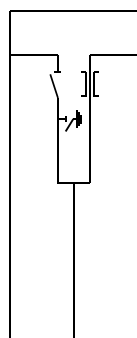
DMH-13 SURGE ARRESTER (PARAFUDUR) CUBICLE



DMH-15 CURRENT-VOLTAGE MEASURE CUBICLE



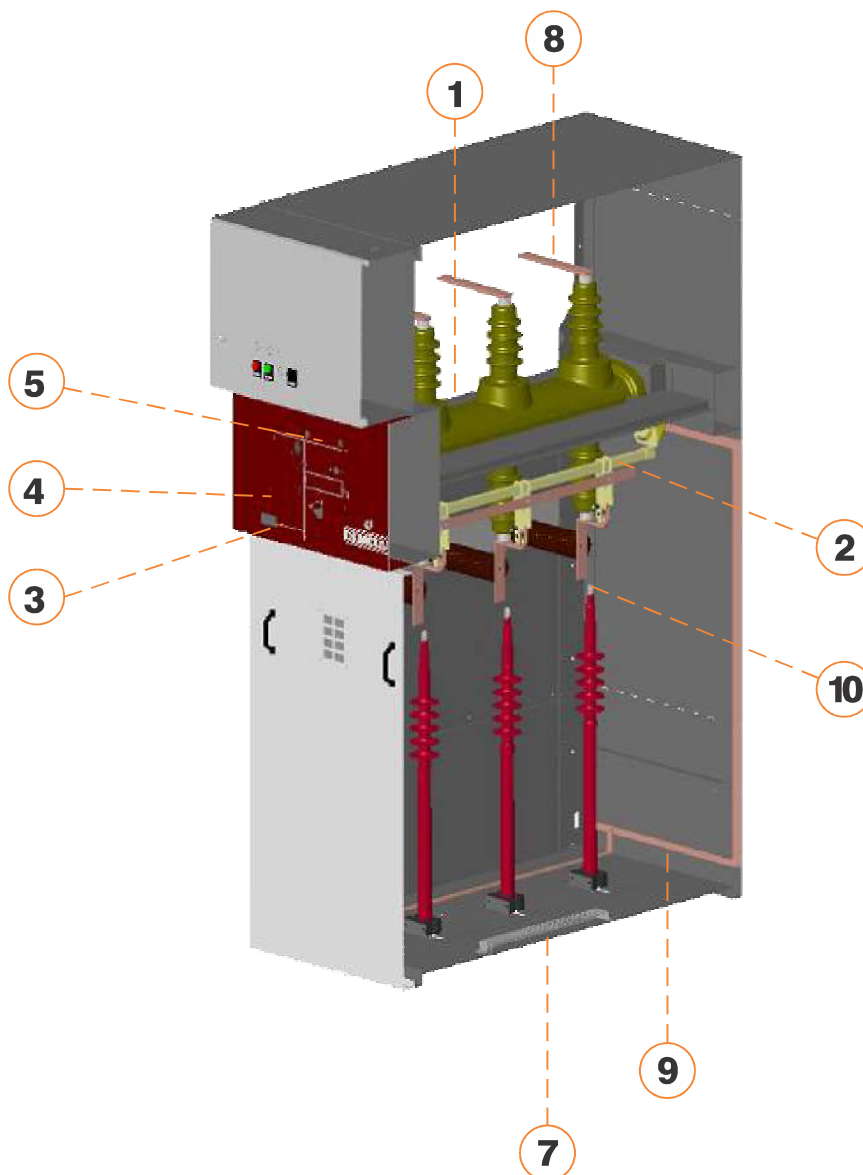
DMH-16 BUSBAR DIVISION (COUPLING) CUBICLEWITH LOAD BREAK SWITCH



SYMBOLS

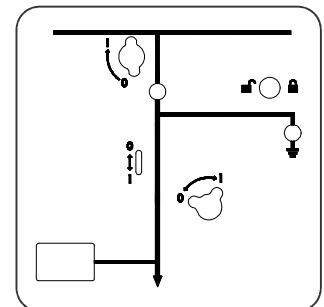
	Sf6 Gas Switchgear		Mechanic Lock Apparatus		Capacitive Voltage Divider and Indicators
	Sf6 Gas Load Break Switch		Current Transformer		Earthing Switchgear
	Sf6 Gas Circuit Breaker		Voltage Transformer		Transit Insulator
	Fuse		Parafudur (Surge Arrester)		

DMH-01 INLET-OUTLET CUBICLE WITH LOAD BREAK SWITCH



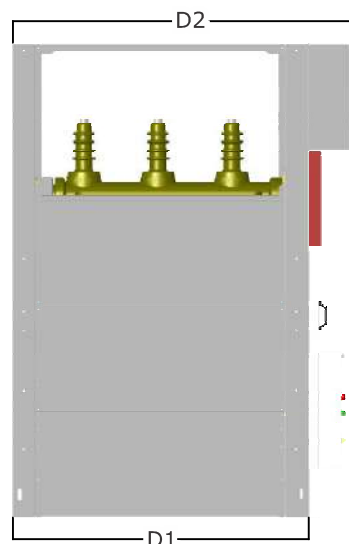
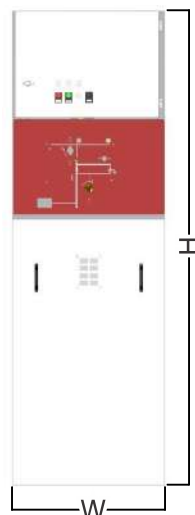
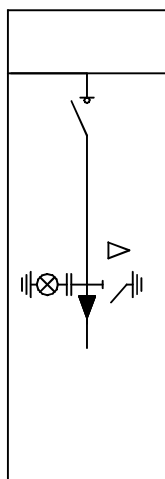
STANDART EQUIPMENTS

1	SF6 GAS LOAD BREAK SWITCH
2	EARTH SWITCHGEAR
3	CAPACITIVE VOLTAGE INDICATOR
4	LOAD BREAK SWITCH MECHANISM
5	OPENING-CLOSING COIL
6	2 NA + 2 NK AUXILIARY CONTACT
7	HEATER WITH THERMOSTAT CONTROL
8	MAIN BUSBARS
9	CUBICLE INSIDE EARTHING
10	CABLE CONNECTION MECHANISM



OPTIONAL EQUIPMENTS

- SWITCHGEAR - LOAD BREAK SWITCH ENGINE -3 PHASE OPENING MECHANISM - REMOTE CONTROL
- SF6 GAS PRESSURE METER



THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	500	1000	1230
36/40.5	2250	750	1400	1630

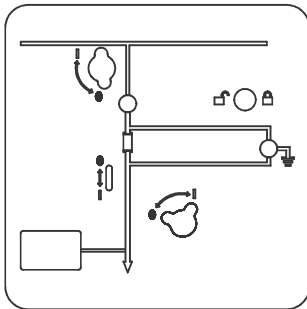
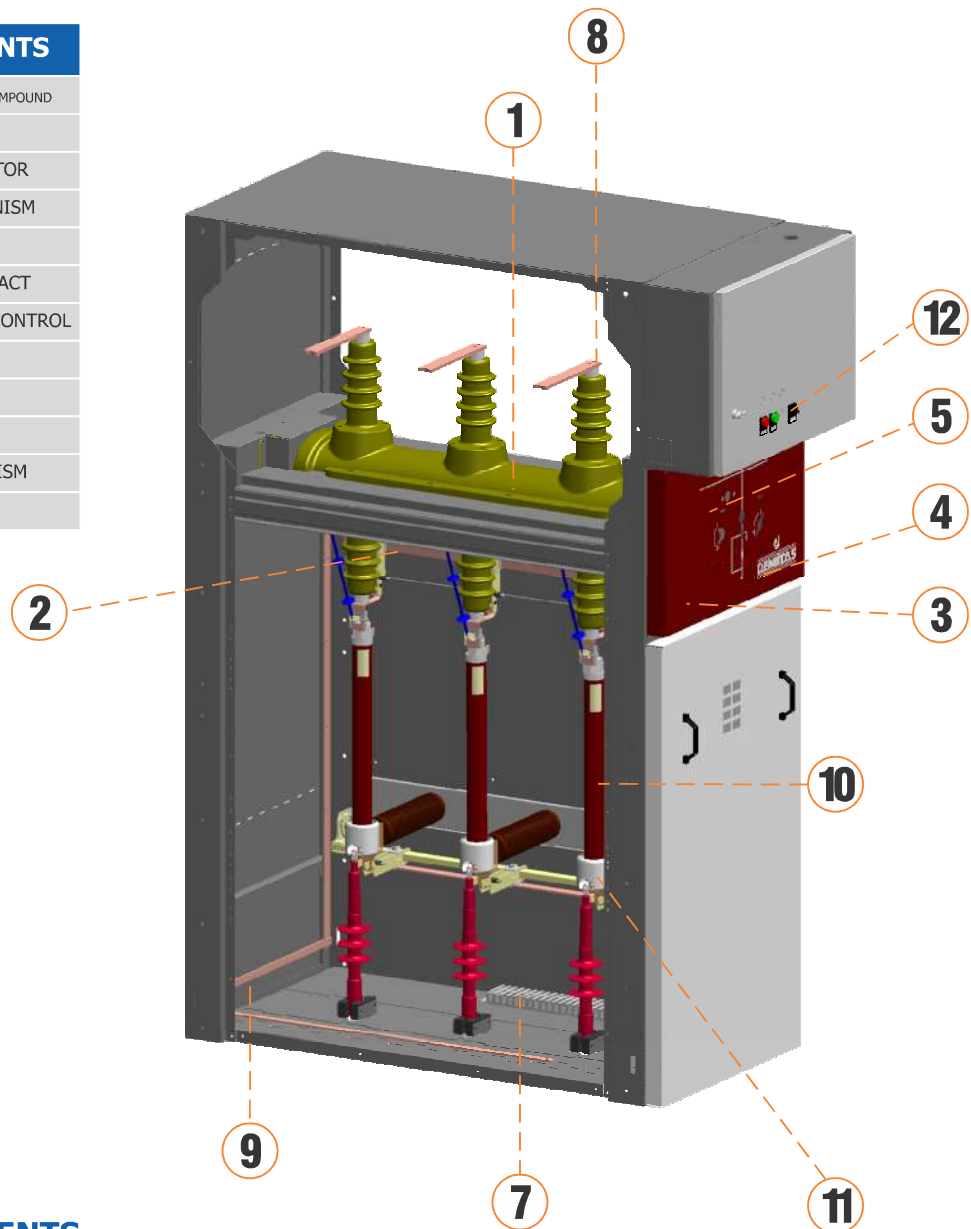
*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-02 LOAD BREAK SWITCH+FUSE COMBINED (TRANSFORMER PROTECTION) CUBICLE

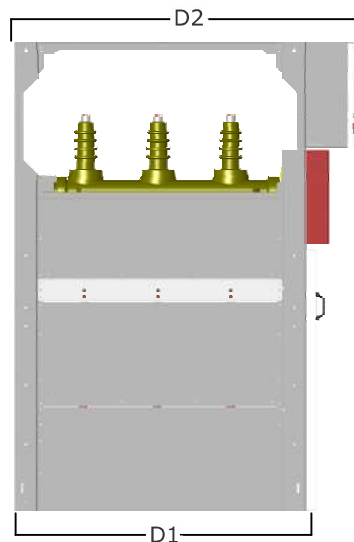
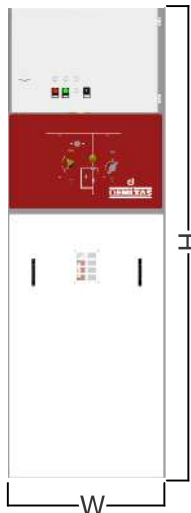
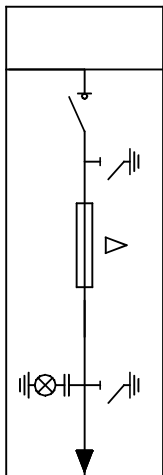
STANDART EQUIPMENTS

1	SF6 GAS LOAD BREAK SWITCH + FUSE COMPOUND
2	EARTH SWITCHGEAR
3	CAPACITIVE VOLTAGE INDICATOR
4	LOAD BREAK SWITCH MECHANISM
5	OPENING-CLOSING COIL
6	2 NA + 2 NK AUXILIARY CONTACT
7	HEATER WITH THERMOSTAT CONTROL
8	MAIN BUSBARS
9	CUBICLE INSIDE EARTHING
10	OG FUSE
11	CABLE CONNECTION MECHANISM
12	SIGNAL LAMP CASE



OPTIONAL EQUIPMENTS

-SWITCHGEAR - LOAD BREAK SWITCH ENGINE -3 PHASE OPENING MECHANISM - REMOTE CONTROL
-SF6 GAS PRESSURE METER



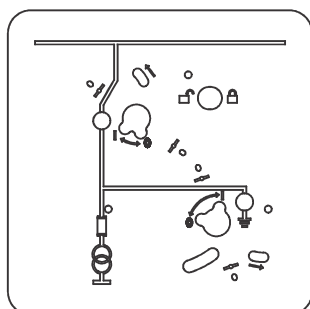
THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	500	1000	1230
36/40.5	2250	750	1400	1630

*NOTE:

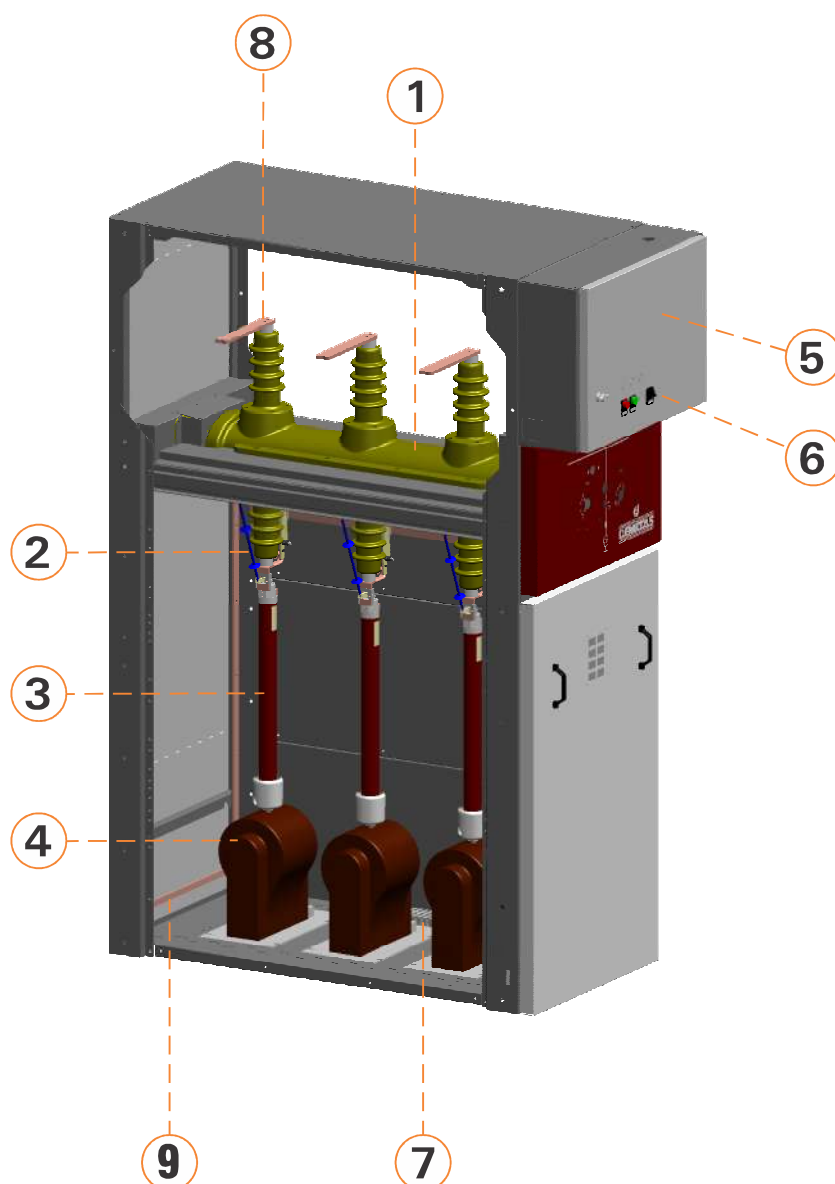
REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-03 VOLTAGE TRANSFORMER CUBICLE



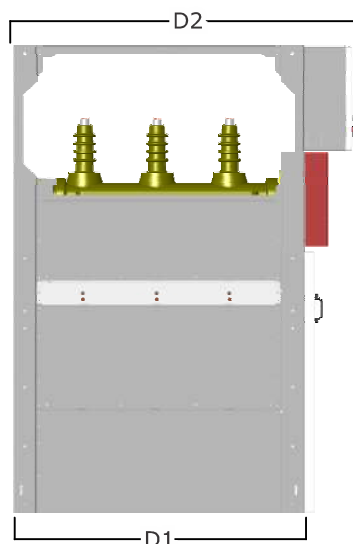
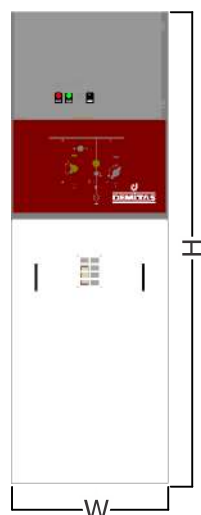
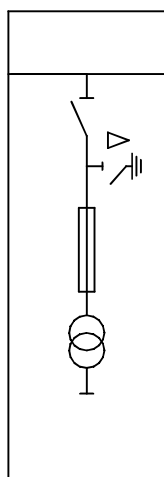
STANDART EQUIPMENTS

1	SF6 GAS SWITCHGEAR
2	EARTH SWITCHGEAR
3	OG FUSE
4	OG VOLTAGE TRANSFORMER LOAD BREAK SWITCH MECHANISM
5	VOLTMETER
6	VOLTMETER COMMUTATOR
7	HEATER WITH THERMOSTAT CONTROL
8	MAIN BUSBARS
9	CUBICLE INSIDE EARTHING
10	3 UNITS AG FUSE



OPTIONAL EQUIPMENTS

- ACTIVE-REACTIVE COUNTER -OTHER MEASURING DEVICES
- SF6 GAS PRESSURE METER



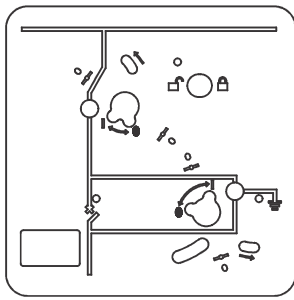
THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	500	1000	1230
36/40.5	2250	750	1400	1630

*NOTE:

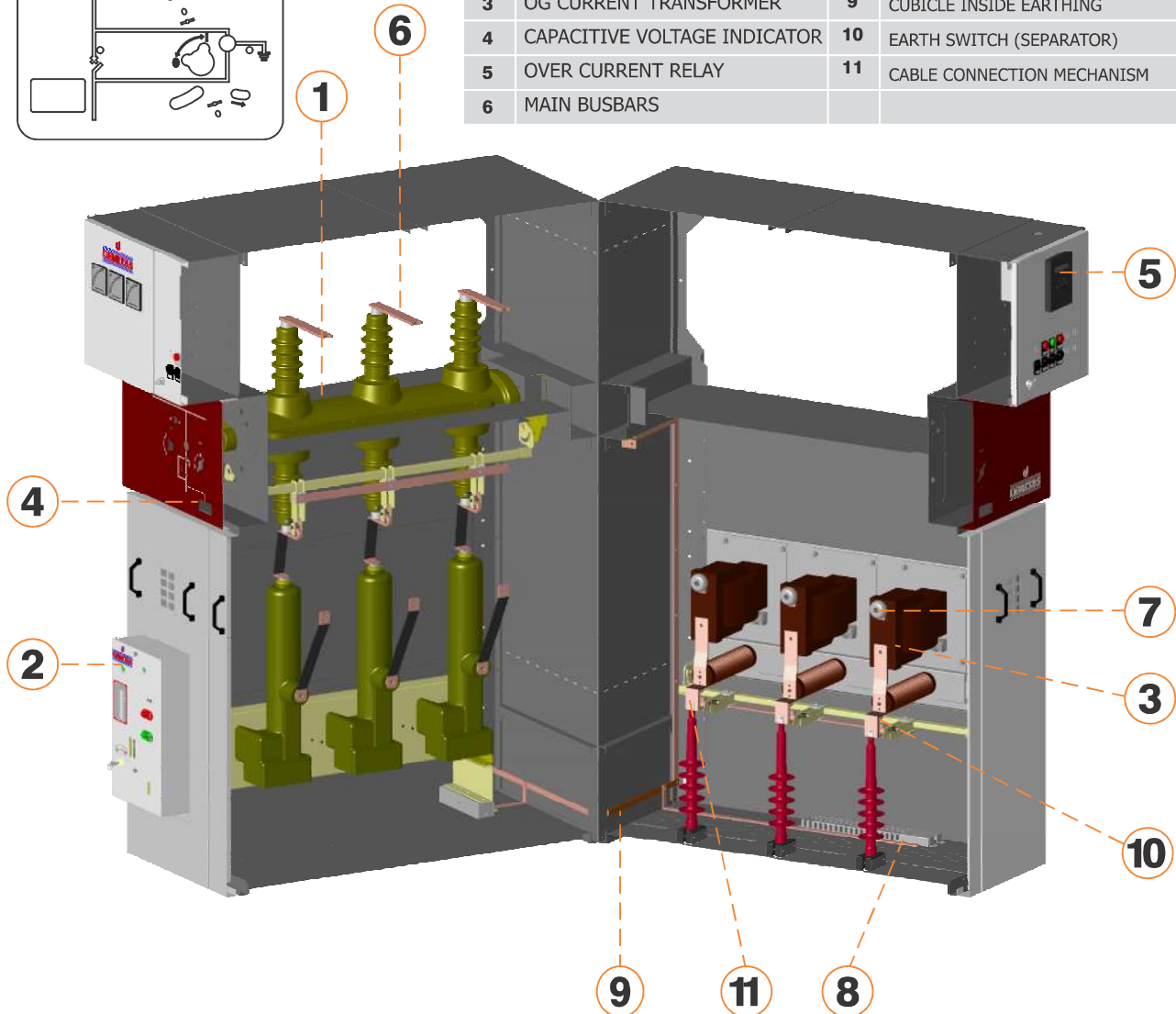
REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-04 INLET-OUTLET CUBICLE WITH CIRCUIT BREAKER



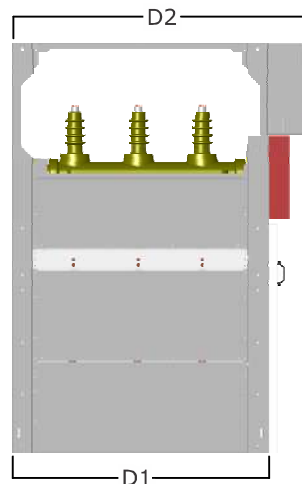
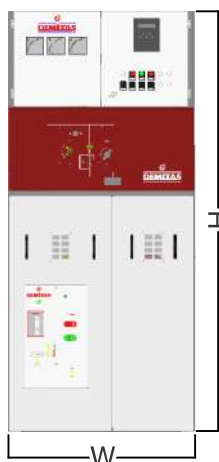
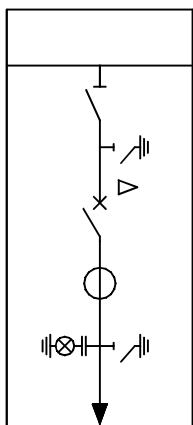
STANDART EQUIPMENTS

1	SF6 GAS SWITCHGEAR	7	SPACE REGULATOR
2	SF6 GAS CIRCUIT BREAKER	8	HEATER WITH THERMOSTAT CONTROL
3	OG CURRENT TRANSFORMER	9	CUBICLE INSIDE EARTHING
4	CAPACITIVE VOLTAGE INDICATOR	10	EARTH SWITCH (SEPARATOR)
5	OVER CURRENT RELAY	11	CABLE CONNECTION MECHANISM
6	MAIN BUSBARS		



OPTIONAL EQUIPMENTS

-PROTECTION RELAY -ACTIVE-REACTIVE COUNTER -AMMETER -SIGNAL LAMP CASE
 -REMOTE CONTROL -OTHER MEASURING DEVICES
 -SF6 GAS PRESSURE METER



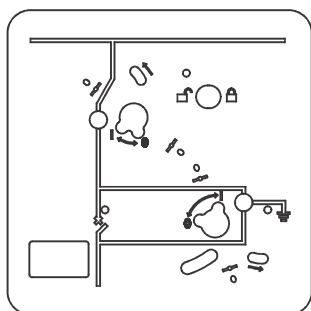
THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	750	1000	1230
36/40.5	2250	1000	1400	1630

*NOTE:

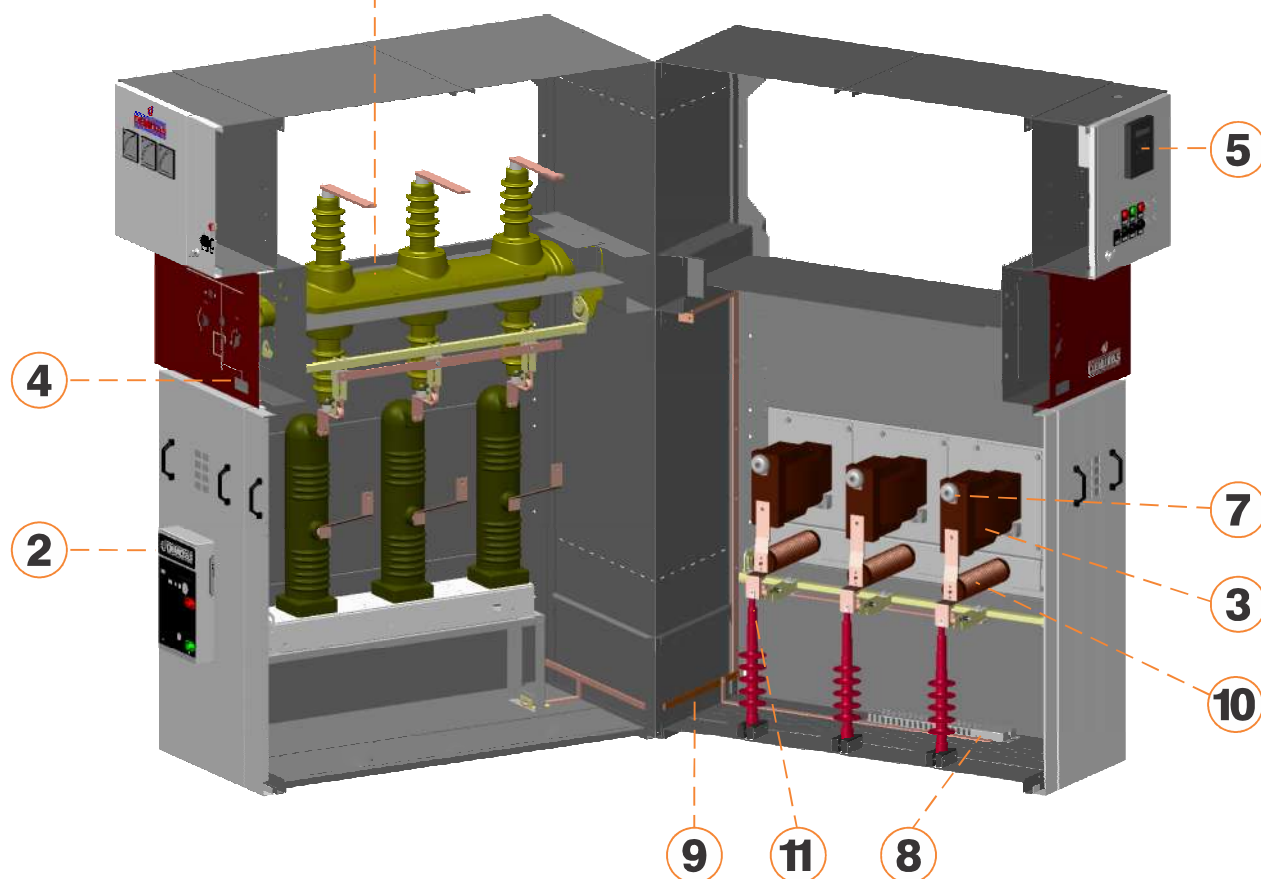
REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-04V INLET-OUTLET CUBICLE WITH VACUUM CIRCUIT BREAKER



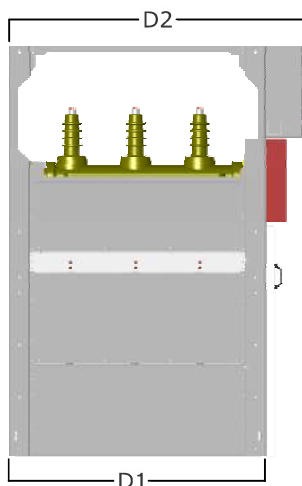
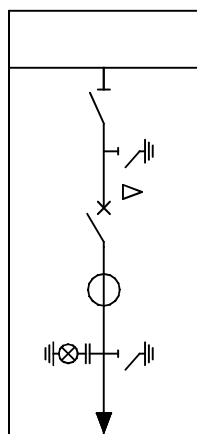
STANDART EQUIPMENTS

1	SF6 GAS SWITCHGEAR	7	SPACE REGULATOR
2	VACUUM CIRCUIT BREAKER	8	HEATER WITH THERMOSTAT CONTROL
3	OG CURRENT TRANSFORMER	9	CUBICLE INSIDE EARTHING
4	CAPACITIVE VOLTAGE INDICATOR	10	EARTH SWITCH (SEPARATOR)
5	OVER CURRENT RELAY	11	CABLE CONNECTION MECHANISM
6	MAIN BUSBARS		



OPTIONAL EQUIPMENTS

-PROTECTION RELAY -ACTIVE-REACTIVE COUNTER -AMMETER -SIGNAL LAMP CASE
-REMOTE CONTROL -OTHER MEASURING DEVICES



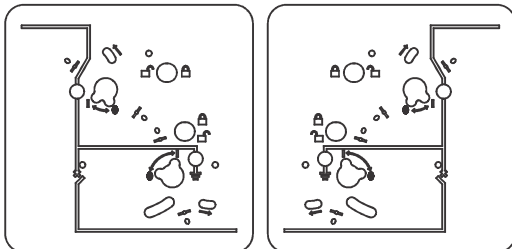
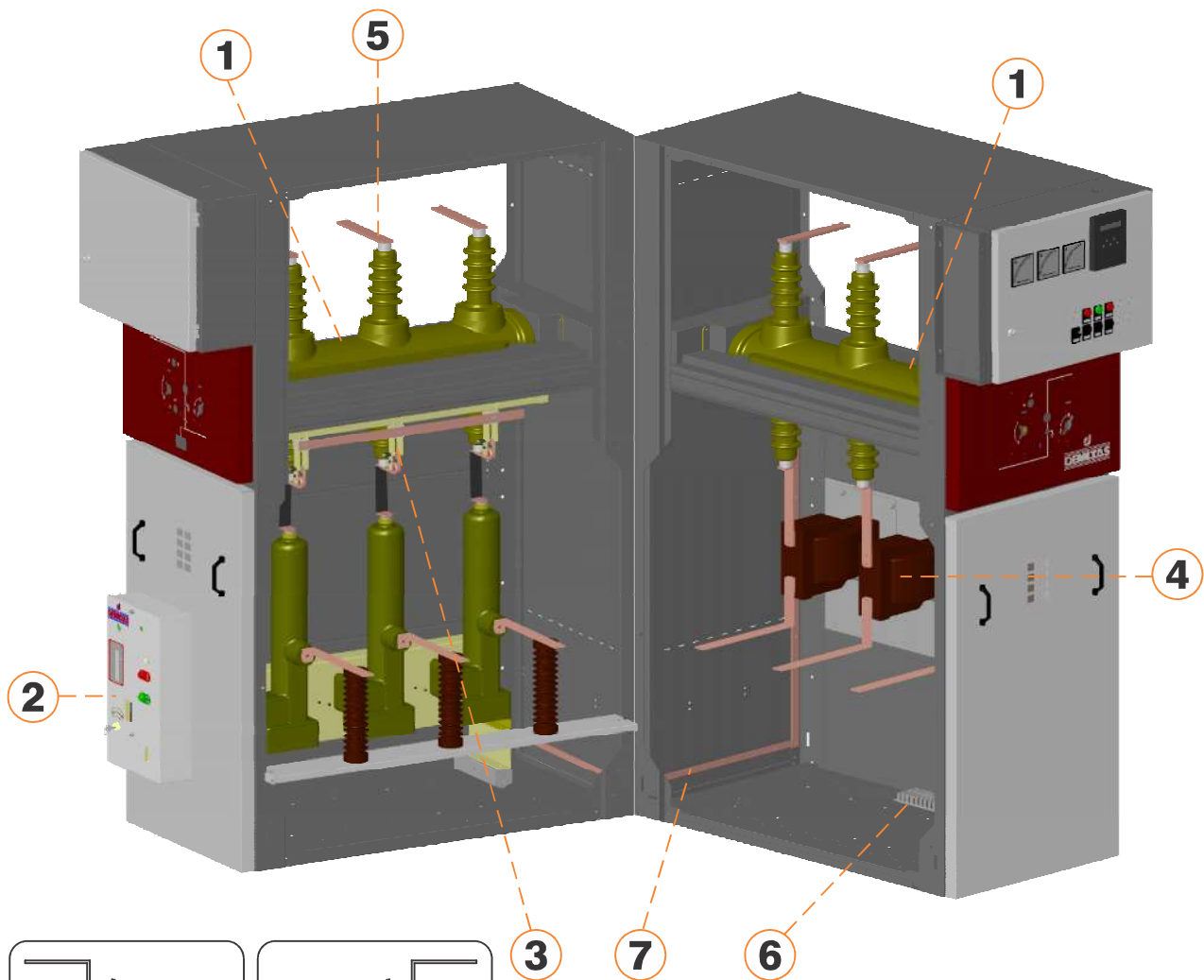
THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	750	1000	1230
36/40.5	2250	1000	1400	1630

*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-05 BAR CONNECTING (BUSBAR COUPLING) CUBICLE

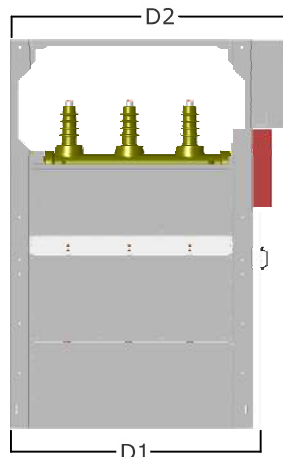
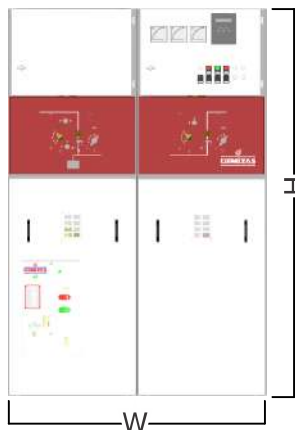
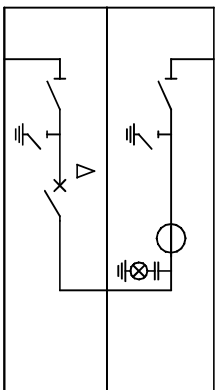


STANDART EQUIPMENTS

1	SF6 GAS SWITCHGEAR (DOUBLE)	5	MAIN BUSBARS
2	SF6 GAS CIRCUIT BREAKER	6	HEATER WITH THERMOSTAT CONTROL
3	EARTH SWITCHGEAR	7	CUBICLE INSIDE EARTHING COFFIN
4	OG CURRENT TRANSFORMER		

OPTIONAL EQUIPMENTS

-PROTECTION RELAY -ACTIVE-REACTIVE COUNTER -AMMETER -SIGNAL LAMP CASE
-OTHER MEASURING DEVICES -REMOTE CONTROL



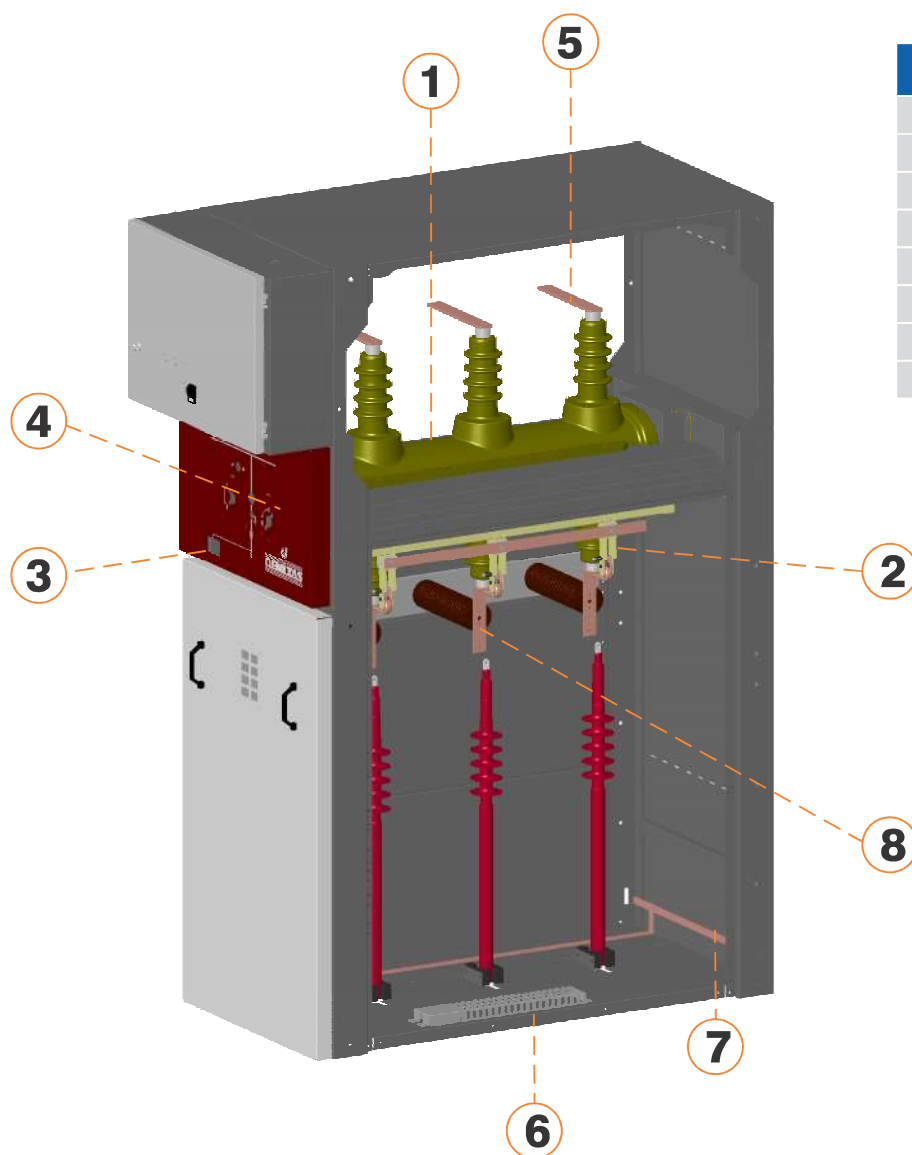
THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	1000	1000	1230
36/40.5	2250	1500	1400	1630

*NOTE:

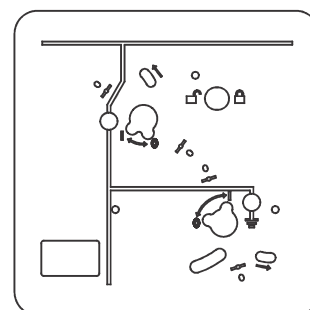
REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-06 INLET-OUTLET CUBICLE WITH SWITCHGEAR



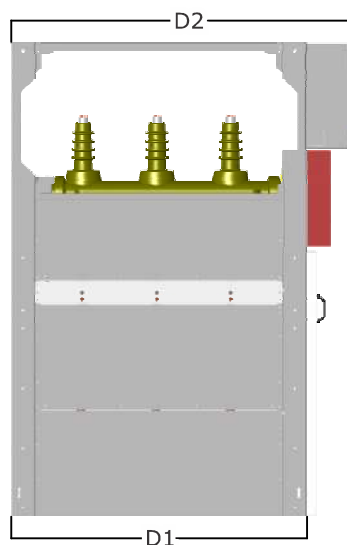
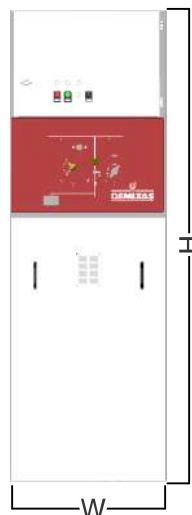
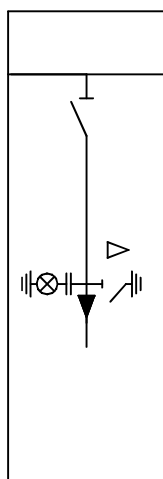
STANDART EQUIPMENTS

1	SF6 GAS SWITCHGEAR
2	EARTH SWITCHGEAR
3	SEPARATOR EARTH LOCK
4	CAPACITIVE VOLTAGE INDICATOR LOAD BREAK SWITCH MECHANISM
5	MAIN BUSBARS OPENING-CLOSING COIL
6	HEATER WITH THERMOSTAT CONTROL
7	CUBICLE INSIDE EARTHING
8	CABLE CONNECTION MECHANISM



OPTIONAL EQUIPMENTS

- DEFECT(FAULT) INDICATOR MECHANISM
- SF6 GAS PRESSURE METER



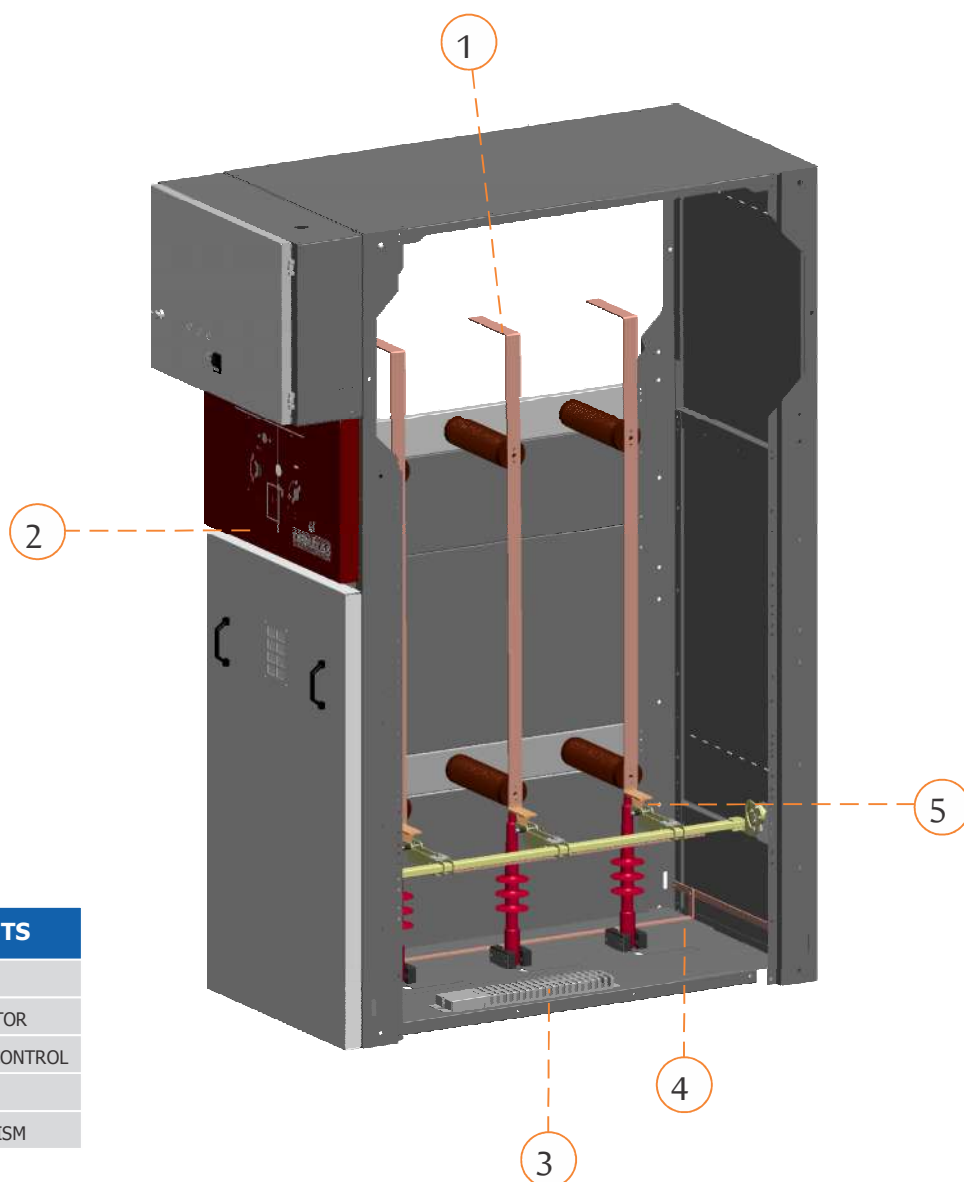
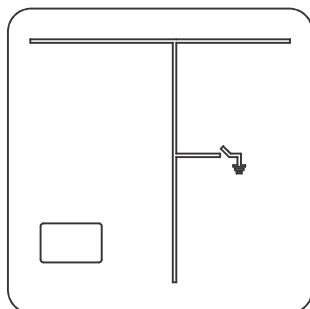
THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	500	1000	1230
36/40.5	2250	750	1400	1630

*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-07 CABLE CONNETION CUBICLE

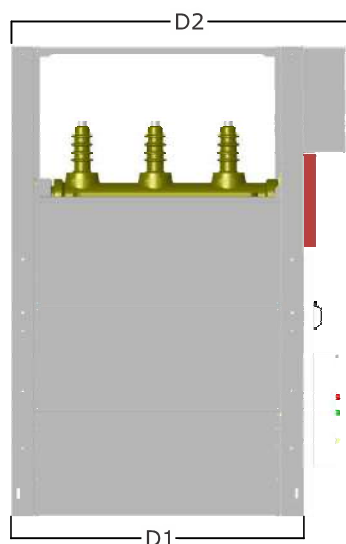
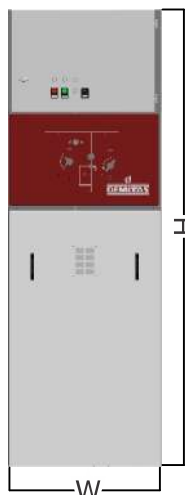
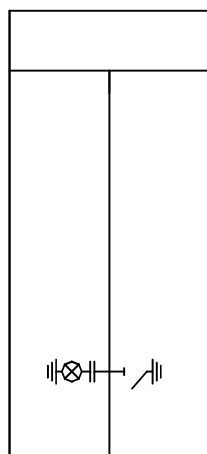


STANDART EQUIPMENTS

1	BUSBARS
2	CAPACITIVE VOLTAGE INDICATOR
3	HEATER WITH THERMOSTAT CONTROL
4	CUBICLE INSIDE EARTHING
5	CABLE CONNECTION MECHANISM

OPTIONAL EQUIPMENTS

CAPACITIVE VOLTAGE INDICATOR



THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	500	1000	1230
36/40.5	2250	750	1400	1630

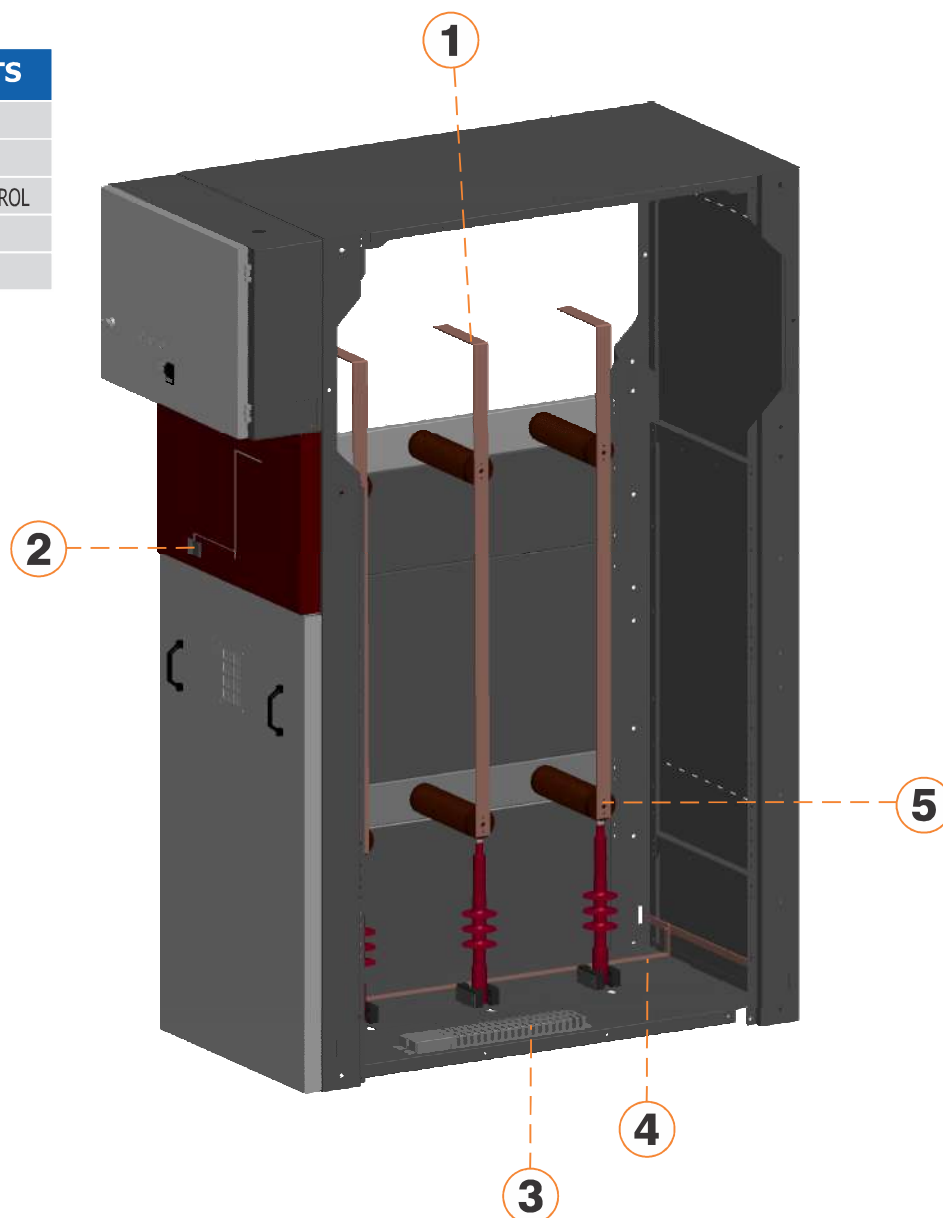
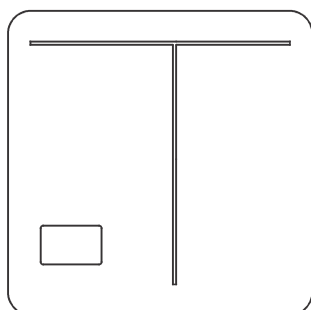
*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-07A CABLE CONNETION CUBICLE

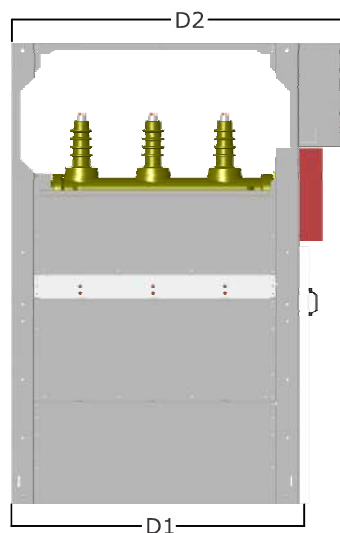
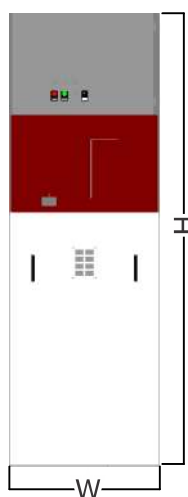
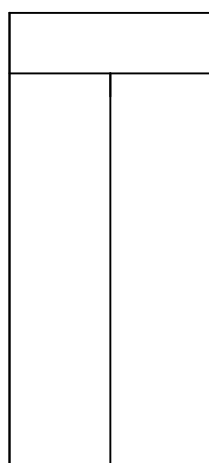
STANDART EQUIPMENTS

1	BUSBARS
2	CAPACITIVE VOLTAGE INDICATOR
3	HEATER WITH THERMOSTAT CONTROL
4	CUBICLE INSIDE EARTHING
5	CABLE CONNECTION MECHANISM



OPTIONAL EQUIPMENTS

CAPACITIVE VOLTAGE INDICATOR



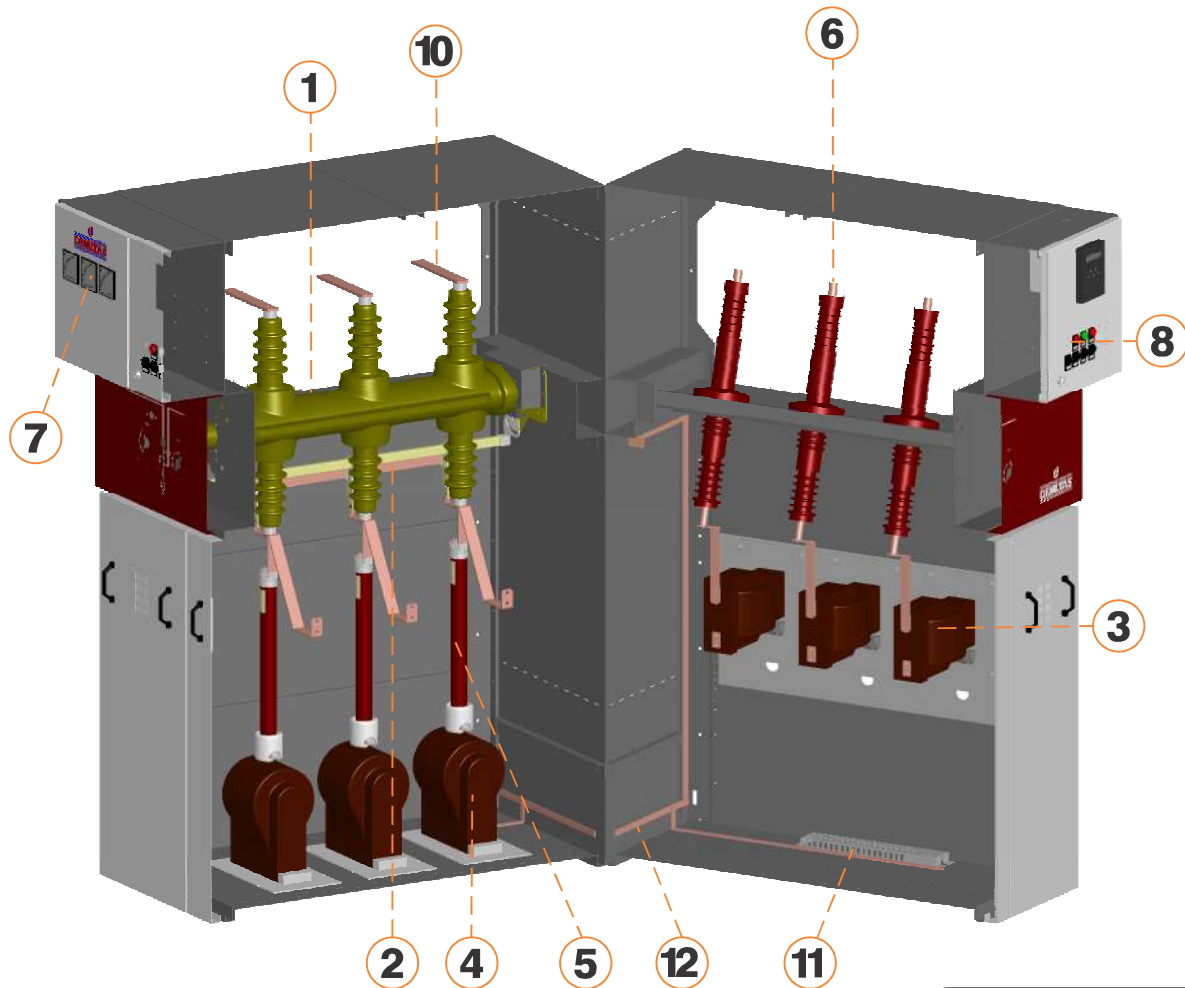
THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	500	1000	1230
36/40.5	2250	750	1400	1630

*NOTE:

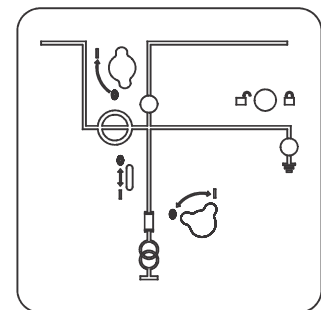
REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-08 CURRENT-VOLTAGE MEASURE CUBICLE



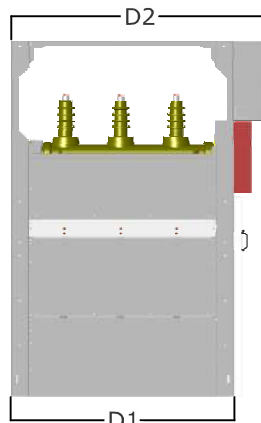
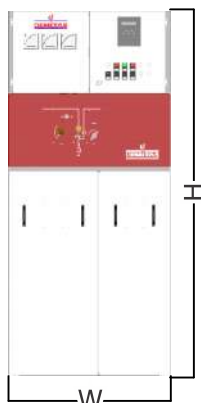
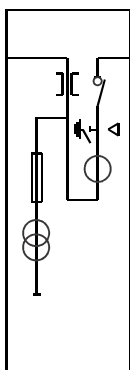
STANDART EQUIPMENTS

1	SF6 GAS LOAD BREAK SWITCH	8	VOLTMETER COMMUTATOR
2	EARTH SWITCHGEAR	9	2 NA + 2 NK AUXILIARY CONTACT
3	OG CURRENT TRANSFORMER	10	MAIN BUSBARS
4	OG VOLTAGE TRANSFORMER	11	HEATER WITH THERMOSTAT CONTROL
5	OG FUSE	12	CUBICLE INSIDE EARTHING COFFIN
6	PASS INSULATOR	13	3 UNITS AG FUSES
7	VOLTMETER – AMMETER		



OPTIONAL EQUIPMENTS

- LOAD BREAK SWITCH ENGINE - ACTIVE-REACTIVE COUNTER - REMOTE CONTROL
- SF6 GAS PRESSURE METER



THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	750	1000	1230
36/40.5	2250	1000	1400	1630

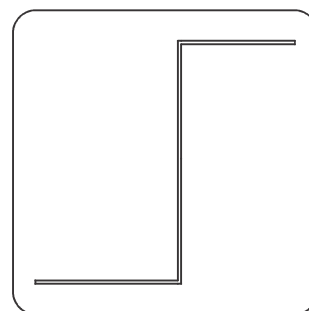
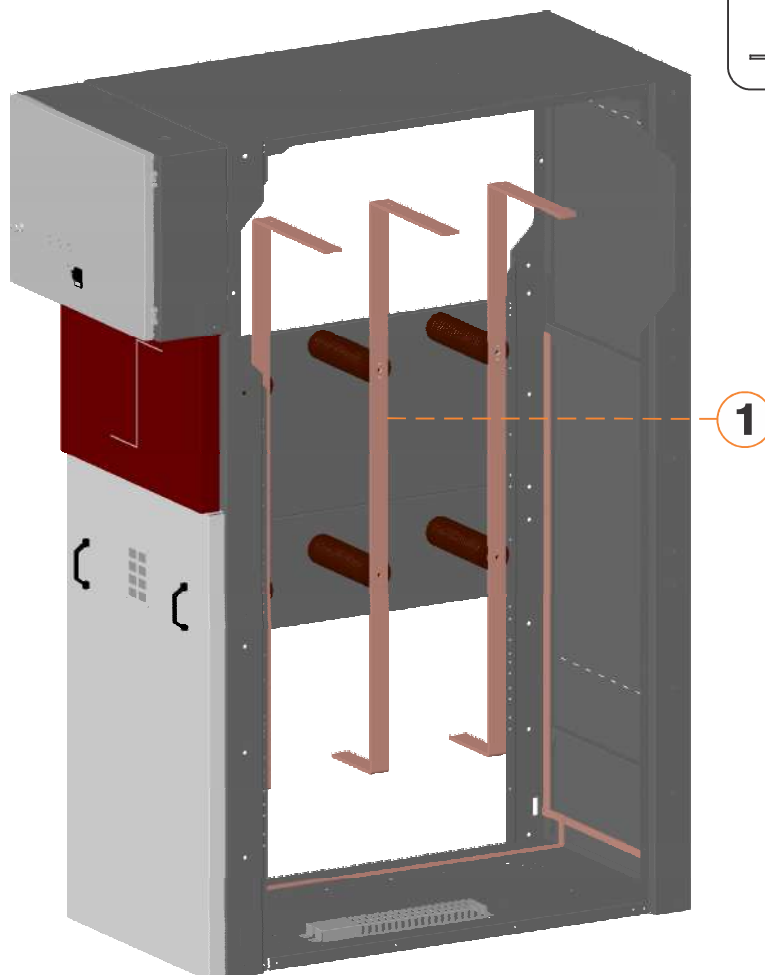
*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-09 BUSBAR RISING CUBICLE

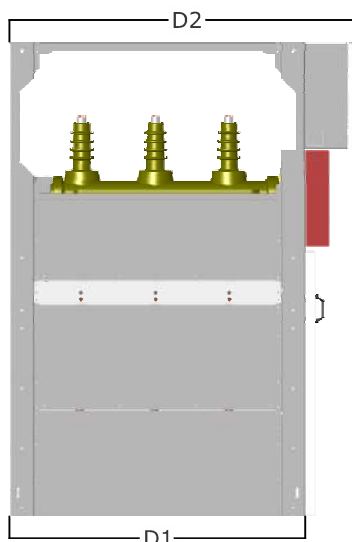
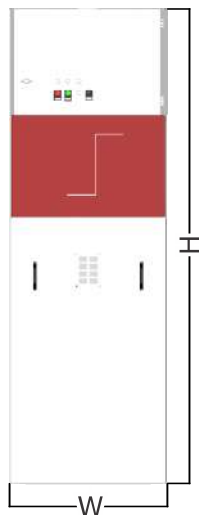
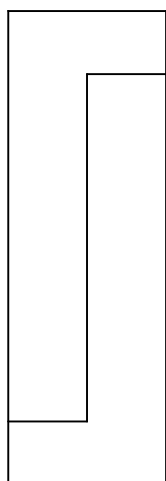
STANDART EQUIPMENTS

1 BUSBARS



OPTIONAL EQUIPMENTS

- CAPACITIVE VOLTAGE INDICATOR



THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	500	1000	1230
36/40.5	2250	750	1400	1630

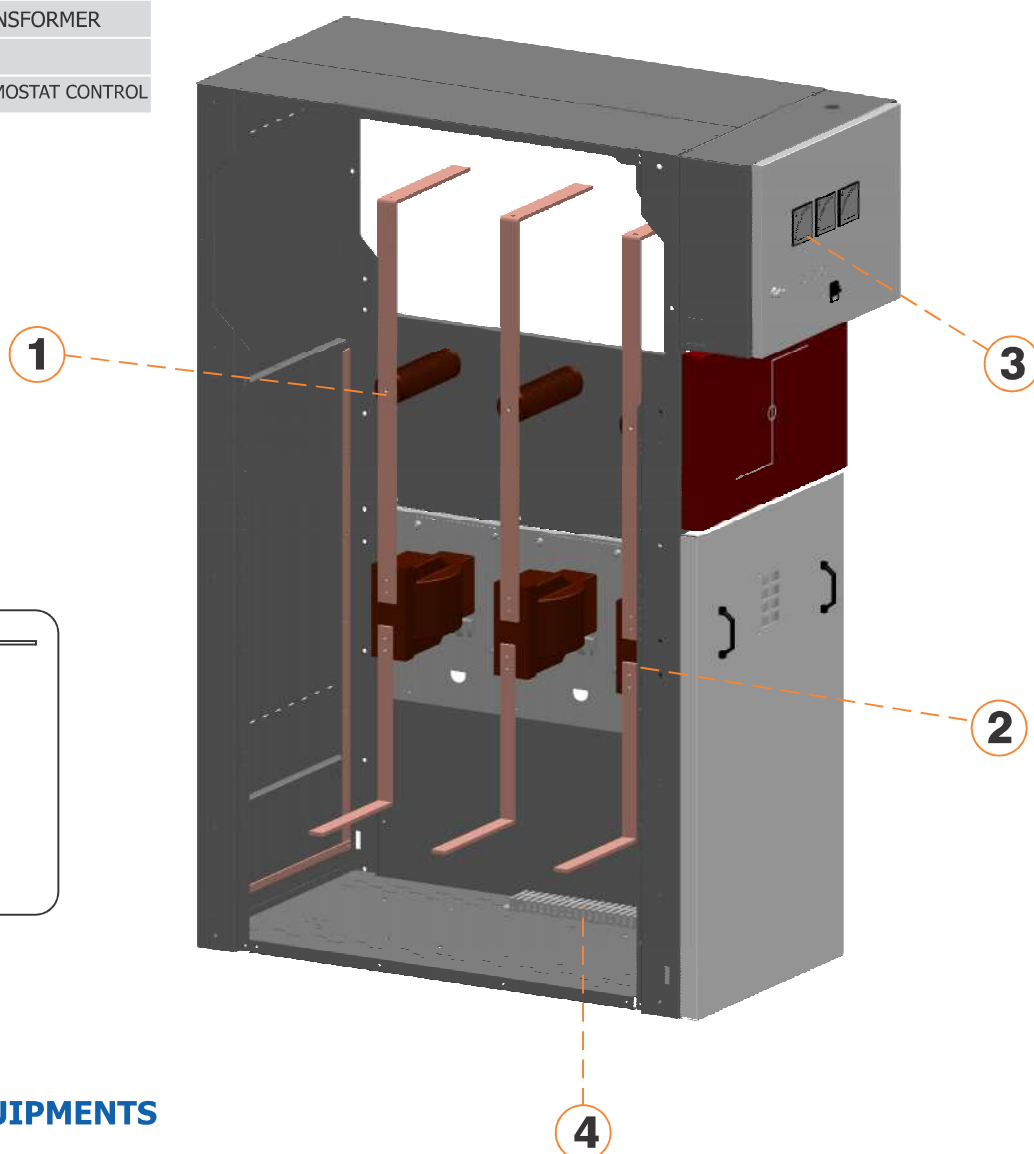
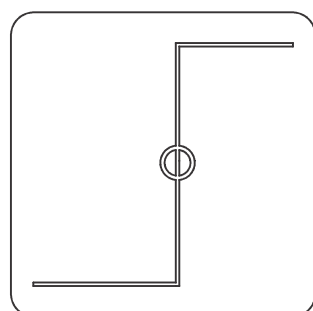
*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-10 CURRENT MEASURE BUSBAR RAISING CUBICLE

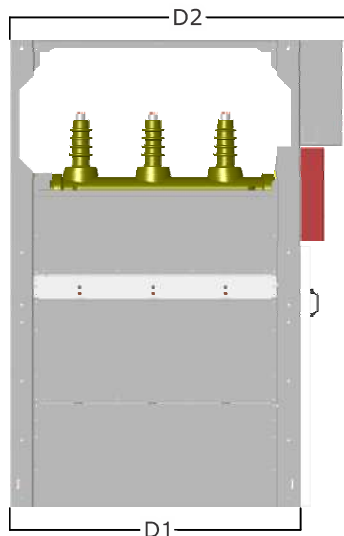
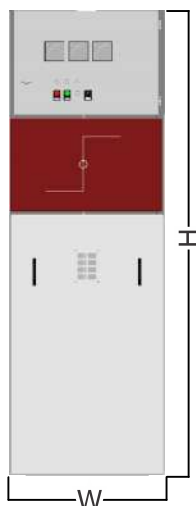
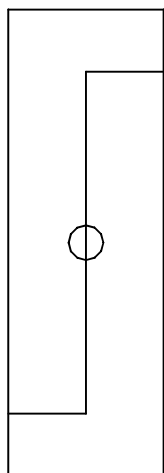
STANDART EQUIPMENTS

1	BUSBARS
2	OG CURRENT TRANSFORMER
3	AMMETER
4	HEATER WITH THERMOSTAT CONTROL



OPTIONAL EQUIPMENTS

- ACTIVE-REACTIVE COUNTER
- CAPACITIVE VOLTAGE INDICATOR



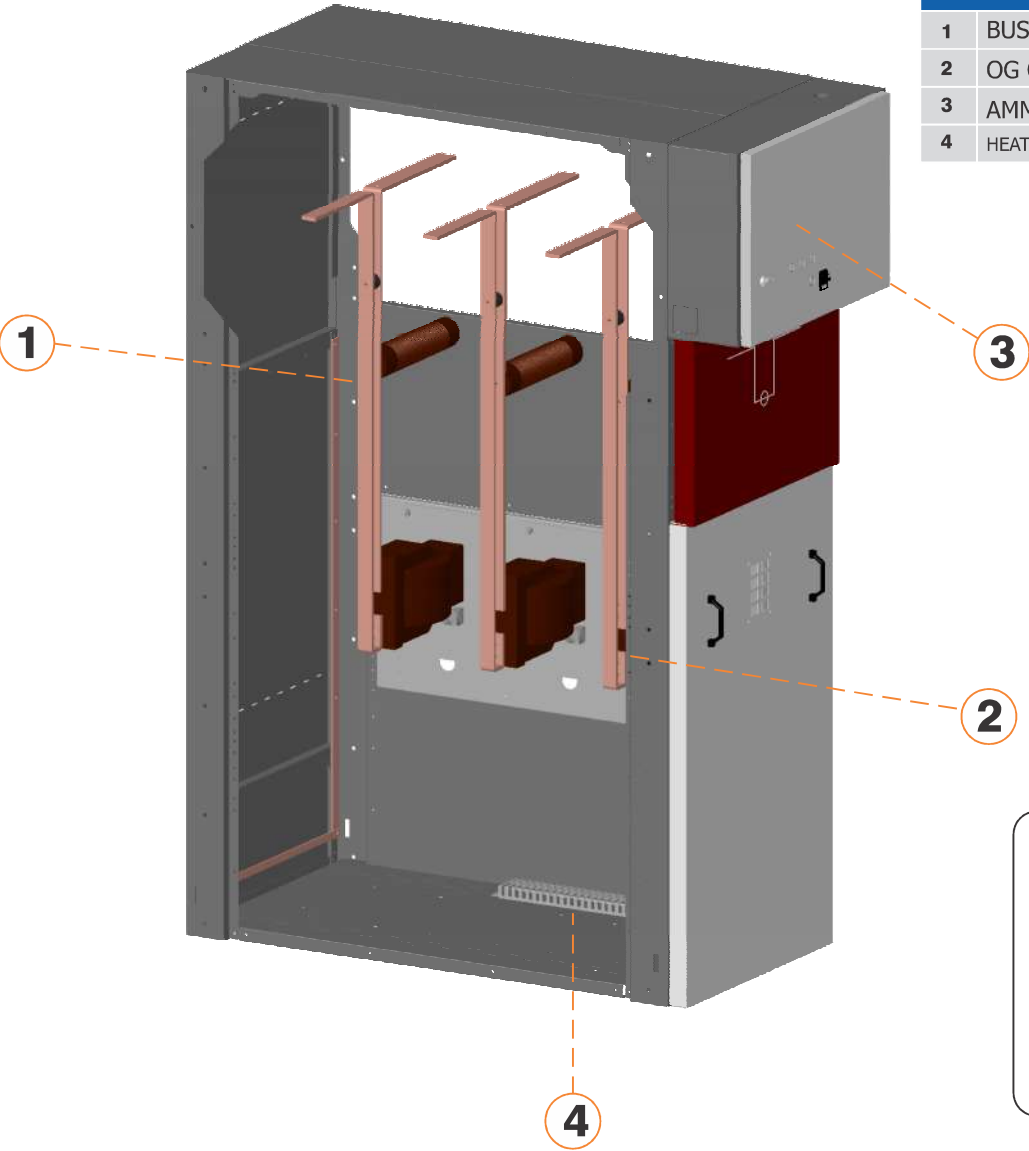
THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	500	1000	1230
36/40.5	2250	750	1400	1630

*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

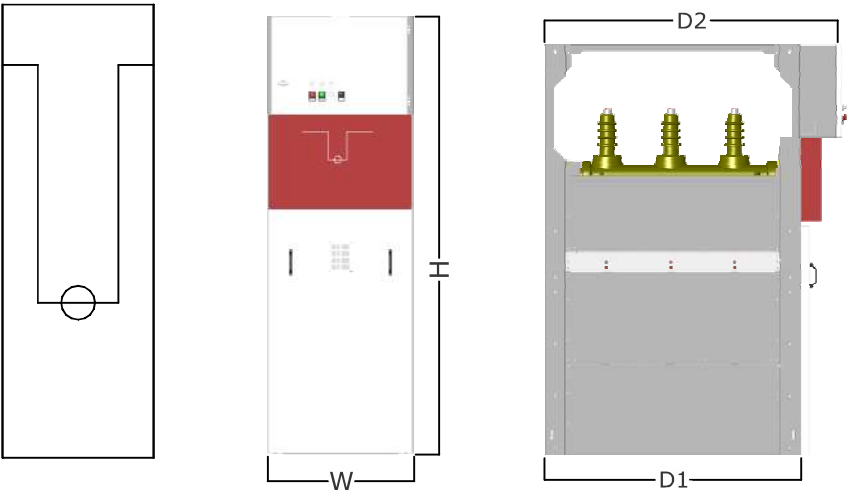
DMH-11 CURRENT MEASURE CUBICLE



STANDART EQUIPMENTS	
1	BUSBARS
2	OG CURRENT TRANSFORMER
3	AMMETER
4	HEATER WITH THERMOSTAT CONTROL

OPTIONAL EQUIPMENTS

- ACTIVE-REACTIVE COUNTER
- CAPACITIVE VOLTAGE INDICATOR



THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	500	1000	1230
36/40.5	2250	750	1400	1630

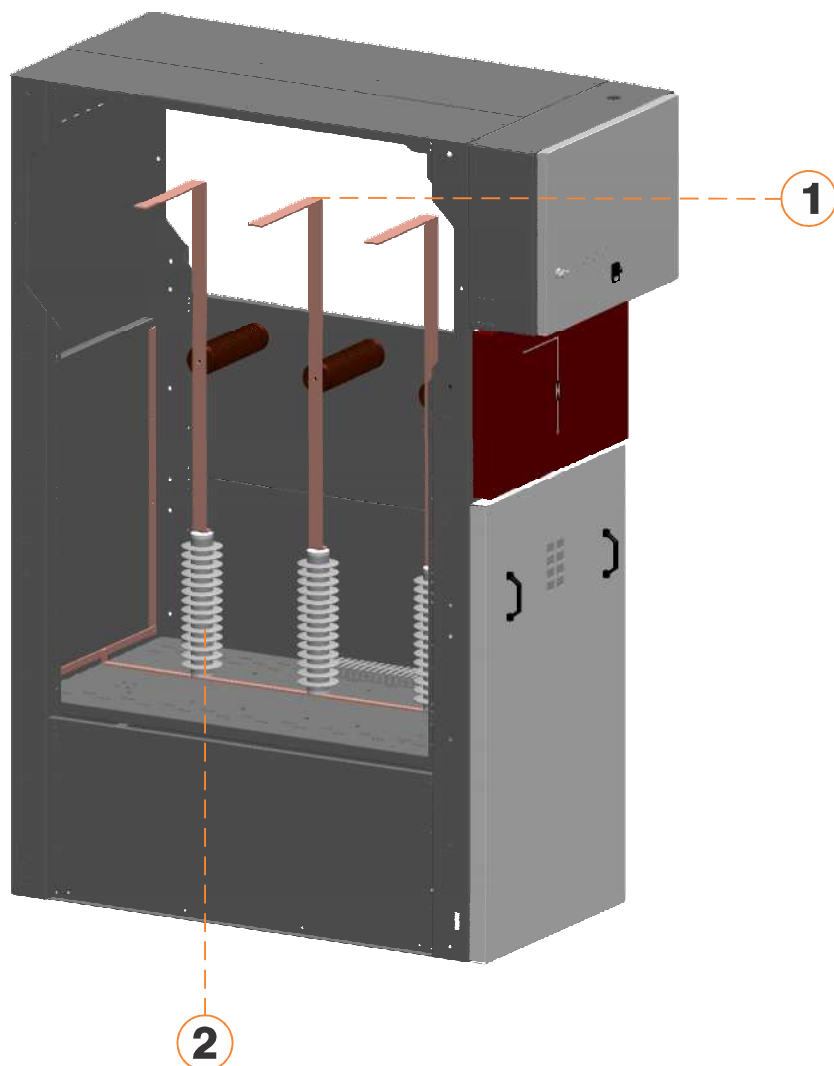
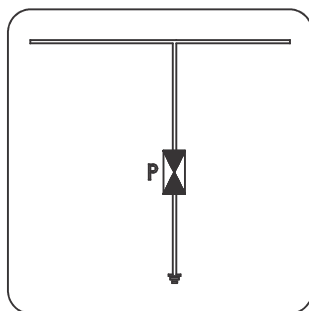
*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-13 SURGE ARRESTER(PARAFUDUR) CUBICLE

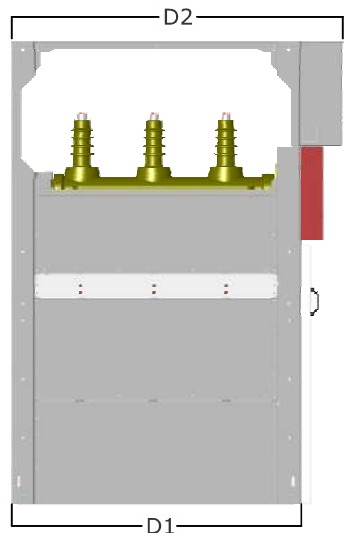
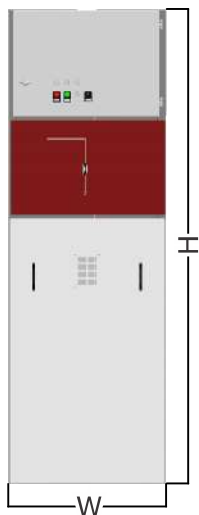
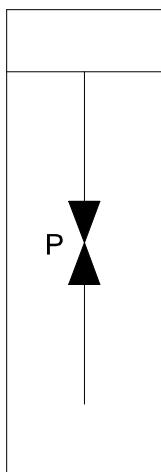
STANDART EQUIPMENTS

1	BUSBARS
2	PARAFUDUR



OPTIONAL EQUIPMENTS

- HEATER WITH THERMOSTAT CONTROL
- CAPACITIVE VOLTAGE INDICATOR



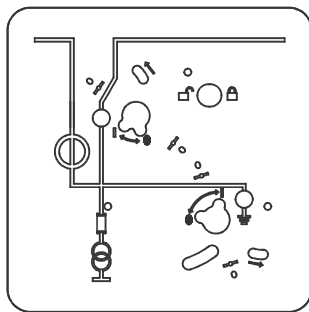
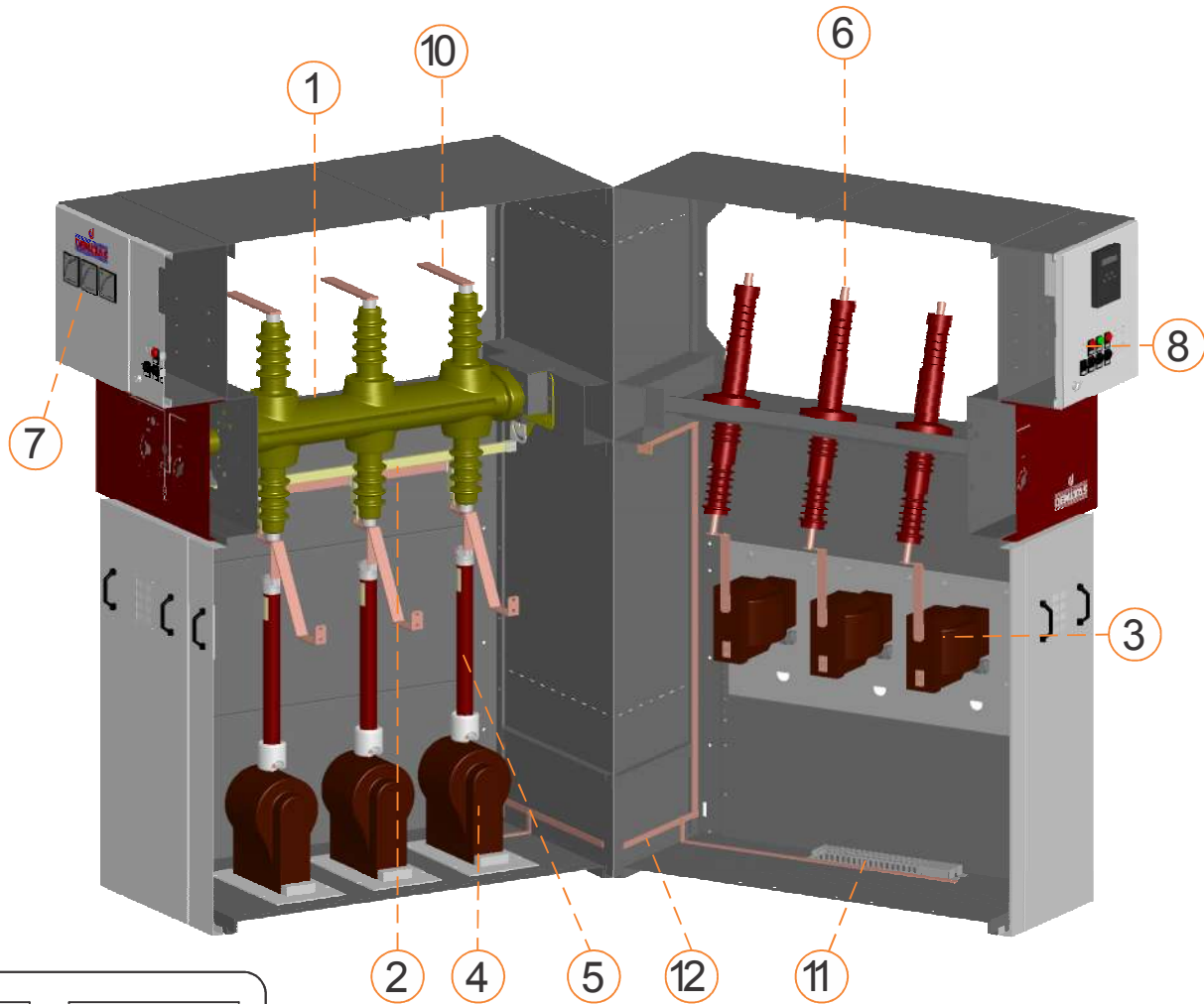
THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	500	1000	1230
36/40.5	2250	750	1400	1630

*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-15 CURRENT-VOLTAGE MEASURE CUBICLE

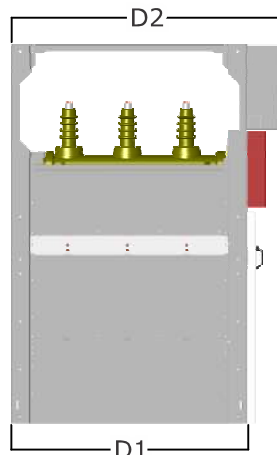
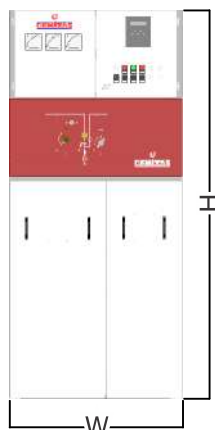
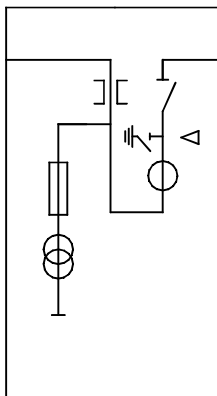


STANDART EQUIPMENTS

1	SF6 GAS SWITCHGEAR	7	VOLTMETER
2	EARTH SWITCHGEAR	8	VOLTMETER COMMUTATOR
3	OG CURRENT TRANSFORMER	9	MAIN BUSBARS
4	OG VOLTAGE TRANSFORMER	10	HEATER WITH THERMOSTAT CONTROL
5	OG FUSE	11	CUBICLE INSIDE EARTHING COFFIN
6	PASS INSULATOR	12	3 AG FUSES UNITS

OPTIONAL EQUIPMENTS

- ACTIVE-REACTIVE COUNTER
- SF6 GAS PRESSURE METER



THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	750	1000	1230
36/40.5	2250	1000	1400	1630

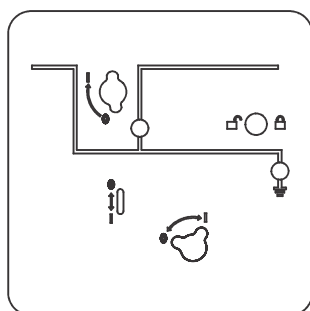
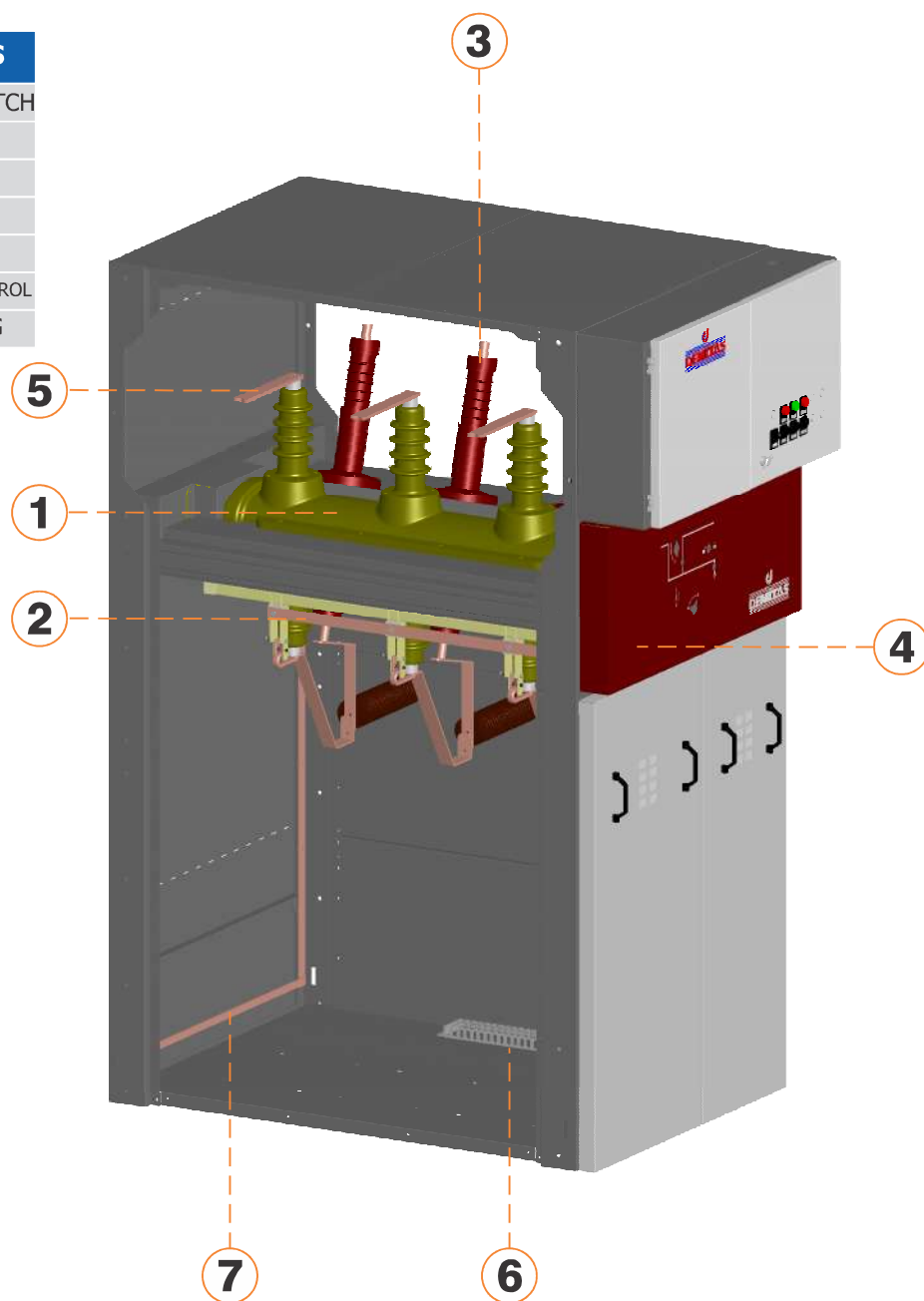
*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

DMH-16 BUSBAR DIVISION (COUPLING) CUBICLE WITH LOAD BREAK SWITCH

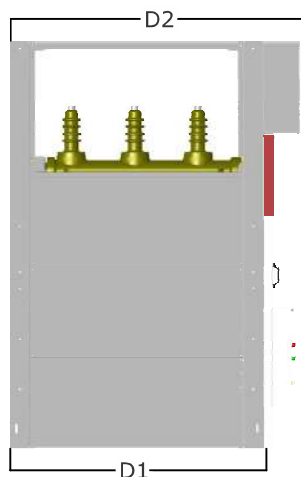
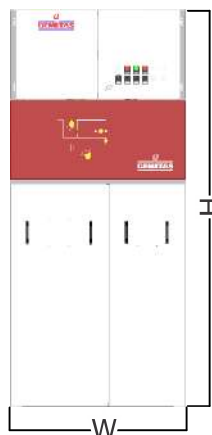
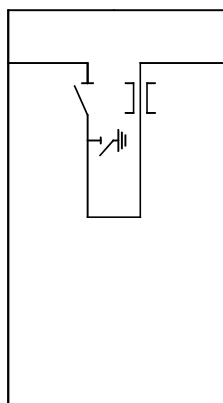
STANDART EQUIPMENTS

1	SF6 GAS LOAD BREAK SWITCH
2	EARTH SWITCHGEAR
3	PASS INSULATOR
4	CAPACITIVE VOLTAGE INDICATOR
5	MAIN BUSBARS
6	HEATER WITH THERMOSTAT CONTROL
7	CUBICLE INSIDE EARTHING



OPTIONAL EQUIPMENTS

- AMMETER -CURRENT-VOLTAGE TRANSFORMER -ACTIVE-REACTIVE COUNTER -ENGINE -REMOTE CONTROL
-SF6 GAS PRESSURE METER



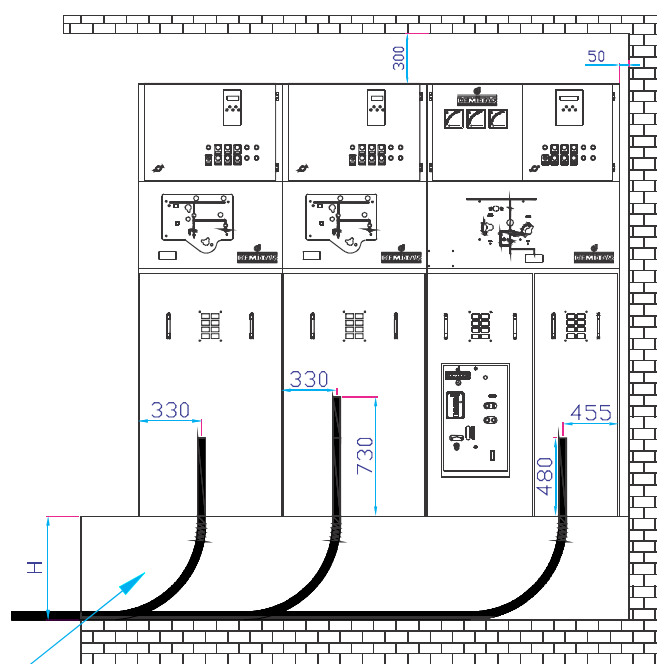
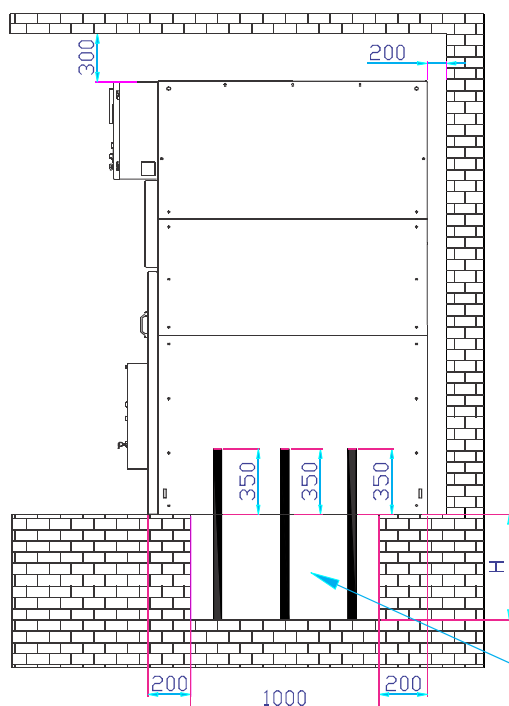
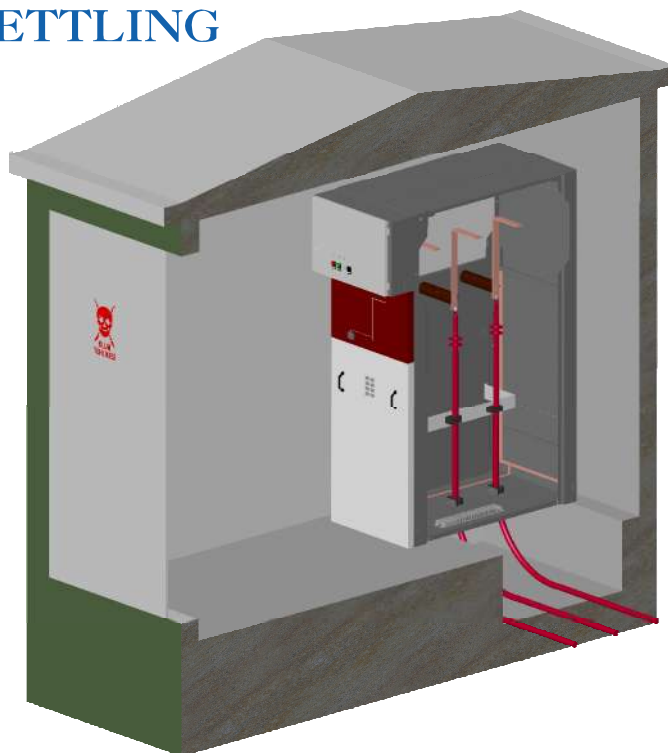
THE LOOKING UP TABLE FOR DIMENSIONS

RATED VOLTAGE (kV)	DIMENSIONS (mm)			
	H	W	D1	D2
12/24	1700	750	1000	1230
36/40.5	2250	1000	1400	1630

*NOTE:

REGARDING OF 12/24kV CUBICLES, "H" MAY BE 1900 mm OR FOLLOW CUSTOMER'S REQUIREMENT

CUBICLE SETTLING



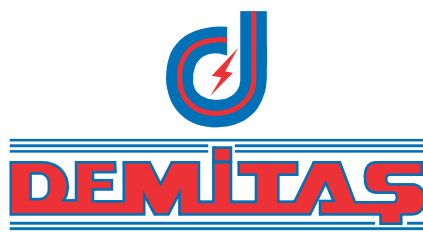
CABLE CANAL

CABLE SECTION (mm ²)	CABLE FLEXION RADIUS (mm)	CANAL DEPTH H (mm)
35	525	550
50	555	580
70	585	610
95	600	620
120	620	650
150	630	665
185	650	680
240	690	720

TYPE TESTS

NO	REPORT NO	DEVICE	STANDARD	DATE	LABORATORY	EXPLANATION
1	9098	LOAD BREAK SWITCH	IEC 60265-1	JANUARY	ICMET	SHORT TIME AND PEAK CURRENT WITHSTAND TEST
2	9097	LOAD BREAK SWITCH	IEC 60265-1	JANUARY	ICMET	TEST OF MAKING AND BREAKING CAPACITY,TEST DETAIL 1.2a,4a,4b and 5
3	UME G1YG-0120	LOAD BREAK SWITCH	IEC 62271-102	NOVEMBER	TUBİTAK UME	LIGHTING IMPULSE TEST
4	9658	EARTHING SWITCHGEAR	IEC 62271-200	APRIL	ICMET	MAKING TEST ON SHORT CIRCUIT
5	9495	EARTHING SWITCHGEAR	IEC 62271-200	AUGUST	ICMET	SHORT TIME AND PEAK CURRENT WITHSTAND TEST
6	9495	COMPLETE CUBICLE WITH CIRCUIT BREAKER	IEC 62271-200	AUGUST	ICMET	SHORT TIME AND PEAK CURRENT WITHSTAND TEST
7	9503	COMPLETE CUBICLE WITH CIRCUIT BREAKER	IEC 62271-200	AUGUST	ICMET	INSIDE ARC TEST
8	9661	COMPLETE CUBICLE (WITH CIRCUIT BREAKER) (CIRCUIT BREAKER TEST)	IEC 62271-100	MAY	ICMET	Sf6 CIRCUIT BREAKER BREAKING TEST T100S T100A
9	9502	COMPLETE CUBICLE (WITH LOAD BREAK SWITCH)	IEC 62271-200	AUGUST	ICMET	INSIDE ARC TEST
10	9411	COMPLETE CUBICLE (WITH LOAD BREAK SWITCH)	IEC 62271-200	MAY	ICMET	SHORT TIME AND PEAK CURRENT WITHSTAND TEST
11	9414	COMPLETE CUBICLE LOAD BREAK SWITCH+FUSE COMBINATION	IEC 62271-105	MAY	ICMET	SHORT CIRCUIT CLOSING OPENING TEST AND TRANSFER CURRENT BREAKING TEST
12	UME G1YG-0099	DMH-01 COMPLETE CUBICLE INCOMING-OUTGOING CUBICLE WITH LOAD BREAK SWITCH	IEC 62271-200	NOVEMBER	TUBİTAK UME	LIGHTING IMPULSE TEST
13	UME G1YG-0137	DMH-04 COMPLETE CUBICLE INCOMING-OUTGOING WITH CIRCUIT BREAKER	IEC 62271-200	DECEMBER	TUBİTAK UME	LIGHTING IMPULSE TEST
14	UME G1YG-0121	DMH-02 COMPLETE CUBICLE LOAD BREAK SWITCH+ FUSE COMBINATION	IEC 62271-200	NOVEMBER	TUBİTAK UME	LIGHTING IMPULSE TEST

Adress : Tepecik mevki Konuralp
DÜZCE/TÜRKİYE
Telephone : +90 380 541 22 01
541 36 70
541 45 79
Fax : +90 380 541 28 94
web : www.demitas.com.tr
e-mail : demitas@demitas.com.tr



SONG MINH LONG TECHNICAL SERVICE & INVESTMENT JOINT STOCK COMPANY

Add: 131 Ha Noi Street, So Dau Ward, Hong Bang District, Hai Phong City, VietNam

Tel: 0313.529991 Fax: 0313.529992 Email : tecksco@gmail.com