



AL-AHLEIA SWITCHGEAR CO. K.S.C.C.
STATE OF KUWAIT

AIR INSULATED DOUBLE BUSBAR SWITCHGEAR

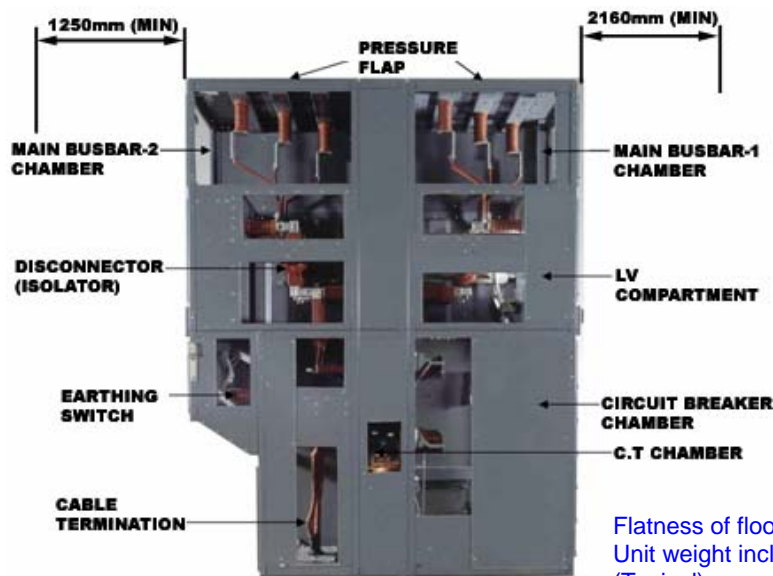
Fully Type tested air insulated, extensible double busbar switchgear comprises of Horizontal Isolation and Horizontal Drawout Vacuum Circuit Breaker, Disconnectors, CTs/PTs (as applicable), earthing switch and cable box.

TECHNICAL DATA

Type	: AH12
Voltage rating	: Up to 15kV
Frequency	: 50 Hz / 60 Hz
Normal circuit current	: Up to 3150A
Normal busbar current	: Up to 4000A
Short circuit breaking current	: Up to 40kA
Short time rating-Main circuit	: Up to 40kA-3sec, 100kA peak
Earth Circuit	: Up to 40kA-3sec, 100kA peak
P.F. Withstand voltage	: Up to 38kV
Impulse withstand voltage	: Up to 95kV peak
Degree of Protection	: As required.
Applicable Standards	: IEC 62271-200 / IEC 62271-100 / IEC 62271-102

SALIENT FEATURES

- Loss of service continuity category : LSC2B (as per IEC 62271-200).
- Partition Class : PM (Metallic) (as per IEC 62271-200).
- Accessibility of compartment:
 - Busbar compartment : Tool based.
 - Cable compartment : Tool based.
 - Switching device : Interlock controlled.
- Fully interlocked VCB, Earthing switch & Disconnecter.
- Pressure relief flap for individual HV compartment. Pressure switches can be given on request.
- Fully insulated / shrouded busbars & bus connections.
- Cable box suitable for heat shrinkable PILC/XLPE cables.
- Motorized disconnecter operation (optional).
- Provision for mounting fire fighting equipment.



Typical cross sectional view Outgoing Panel

OVERALL DIMENSIONS (in mm)

Busbar ratings up to 4000A

Typical for	12kV, 25kA up to 800A	12kV, 25kA up to 2000A	12kV, 40kA up to 1250A	12kV, 40kA up to 2500A
Width (W)	584	800	650	800
Depth (D)	2200	2200	2200	2200
Height (H)	2800	2800	2800	2800