

FEATURES

- High air clearance for busbars.
- Safe & foolproof interlocks.
- All open behind close door.
- Fault make capacity earthing switch available.
- Solid insulated busbars and spouts.
- 28 years of proven field record.
- Sliding door, easier locking.
- Optional motorised rack-in & rack-out.
- Fixed type, swing type and draw-out type VT possible.
- Block type or ring type CT possible.
- Sufficient cable termination height.
- Readily extensible.
- Minimum maintenance.

STANDARDS

- Our VH3 switchgear is designed and tested to IEC standards.
- IEC60056, IEC62271-100: High voltage circuit breakers (1kV-52kV).
  - IEC60298, IEC62271-200: High voltage metal enclosed switchgear (1kV- 52kV).
  - IEC60056, IEC62271-102: High voltage disconnectors & earthing switches.
  - IEC60694, IEC62271-1: High voltage switchgear and controlgear - common specifications.
  - IEC60137: Insulated bushing.
  - IEC60529: Degree of protection.
- The tests are performed at the independent test laboratories like KEMA, CESI etc.



SINGLE-BUSBAR METAL-CLAD SWITCHGEAR

36kV upto 31.5kA

Tamco's VH3 Air Insulated Switchgear is a robust and reliable solution designed for medium voltage applications up to 33kV. Built to perform in demanding environments, the VH3 incorporates eco-friendly vacuum technology and delivers exceptional arc fault containment, enhanced operator safety through positive interlocks, and a modular design that ensures flexibility across a wide range of installations.

VH3 PERFORMANCE DATA

|                                     |         |               |
|-------------------------------------|---------|---------------|
| Rated Voltage                       | kV      | 36/40.5       |
| Rated VCB Current                   | A       | 800/1250/2000 |
| Rated Frequency                     | Hz      | 50/60         |
| Rated Short Time Withstand Current  | kA/3sec | 25/31.5       |
| Rated s.c Making Current            | kAp     | 63/80         |
| Rated s.c Sym. Breaking Current     | kA      | 25/31.5       |
| Rated Impulse Voltage (1.2/50)      | kVp     | 170           |
| Rated a.c 1min pf Voltage           | kV rms  | 70            |
| Internal Arc                        | kA/1sec | 25/31.5       |
| Width                               | mm      | 1200          |
| Depth                               | mm      | 3080          |
| Height                              | mm      | 2300          |
| Loss of Service Continuity          |         | LSC2B         |
| Internal Arc Classification         |         | AFLR          |
| Partition Class                     |         | PM            |
| Ingress Protection Class            |         | IP4           |
| Internal Partition Protection Class |         | IP3X          |