

# VH1H-S

12kV 800A...1250A 31.5kA

AIR INSULATED SWITCHGEAR



Minimal maintenance, compact & modular air insulated distribution switchgear

Modern technologies and processes demand safe, reliable and robust electrical switching products and solutions. TAMCO, offers the widest range of cutting-edge low voltage and medium voltage products and solutions for utilities, oil & gas, industries, infrastructure, non-conventional energy etc.

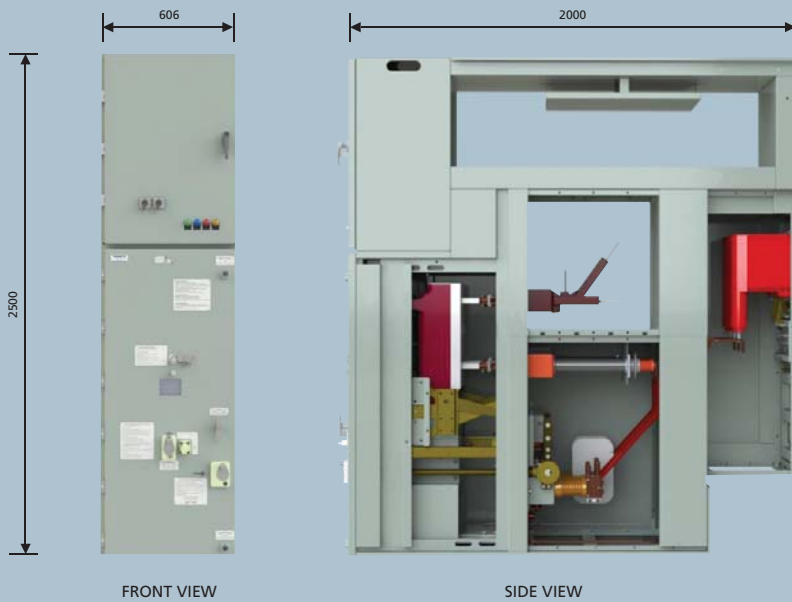
VH1H-S has been designed, keeping in mind the requirements of higher operational safety with minimal maintenance with a nominal footprint. VH1H-S modular design provides a perfect platform for building reliable distribution network in compact space.

With a worldwide after sales and service network, TAMCO ensures that the experts nearest to customer region are available for customer support at all time.

The switchgear specialist

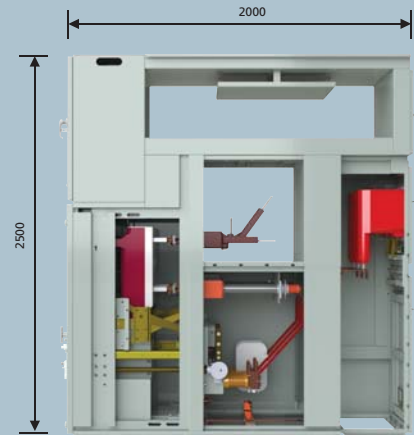
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**TAMCO**



**Type-tested according to IEC 62271-100, IEC 6227-200 & IEC 62271-102**

Loss of Service Continuity : LSC2B  
 Partition Class : PM  
 Internal Arc Classification : IAC AFLR 31.5kA –1s  
 Ingress Protection Class : IP4X



GV1N : Technical Specification		800A	1250A
Rated Voltage	kV		12
Rated Frequency	Hz		50
Rated Short Time Current	kA/3sec		31.5
Classification			E1
Rated Impulse Voltage (1.2/50)	kVp		95
Rated a.c. 1min pf Voltage	kV rms		38
Internal Arc	kA-1sec	31.5 (AFLR LSC2B)	
Width	mm	606	
Depth*	mm	2000	
Height*	mm	2500	
Ingress Protection Class		IP4X	

### DESIGN FOR SAFETY

TAMCO regards safety as the most important consideration for switchgear design and operation and the following proven safety features have been built into VH1H-S.

- 31.5kA IAC For 1 sec in 606mm width cubicle
- For operational safety positive fail-safe interlocks are incorporated for VCB, Earth Switch & VT operation
- Metallic independent movement shutter with padlock option
- Arc fault contained viewing window for viewing earth-switch main contacts prior to operation
- Comprehensive pad-locking facilities
- Mimic diagram and position indicators to guide operators

\* Height and Depth may vary depending on the configurations.

### PRODUCT VARIANTS

### FEATURES

### CUSTOMER BENEFITS

- Circuit breaker incomer panel
- Circuit breaker outgoing panel
- Bus section
- Bus Riser
- Metering panels
- Swing out type VT

- Fully typed tested as per IEC62271-100/200/102
- Compact dimensions
- Generous air clearances for busbars
- Safe and fail-safe positive interlocks
- Boltless door design
- All operations behind closed door
- Swing out type VT with in built fuse
- Block type or ring type CT options available
- Generous cable termination height

- Space saving
- Safe operation behind close door
- Ease of installation
- Breaker movement inside cubicle is less dependent of floor surface condition
- Extensible on both sides
- Minimum operator training required
- Internal Arc Fault tested for 1 second for 31.5kA
- Diffuser arrangement for internal arc safety
- Sufficient flood clearance for all live parts



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