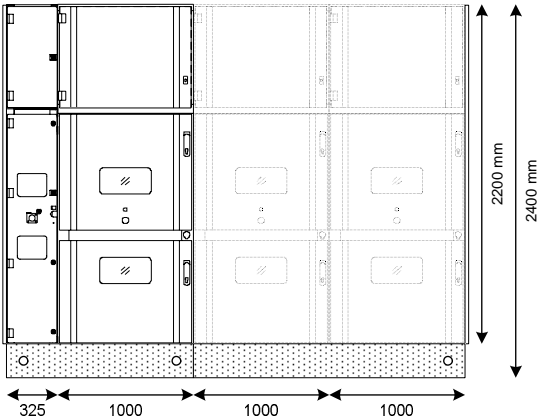


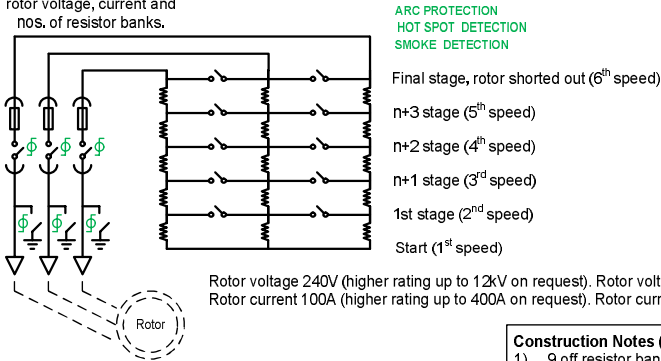
Front View (Indoor version)

Max. panel depth  
Bottom Power cable entry = 1340 mm  
Top Power cable entry = 1554 mm



Three Line Diagram

**Legend**  
— Standard design  
— Optional feature



Equipment Schedule

Variant	A1			
Panel no.	1	2	3	4
Description	Inc.	Resistor panel no.1	Resistor panel no.2	Resistor panel no.3
Interrupter	Vacuum	Air		
Design standard	IEC / AS			
Arc fault containment	AFLR / AFL			
Loss of service continuity	LSC2A			
Partition class	PM			
Degree of protection	IP4X / IP56			
Power cable entry / exit	Bottom / Top			
Min. installation requirement	Rear access for Top power cable entry			
Protection	HRC fuses for short circuit current			
Control - stage	Conventional scheme using timers / PLC timers and startor current			
Installation version	Indoor / Outdoor			

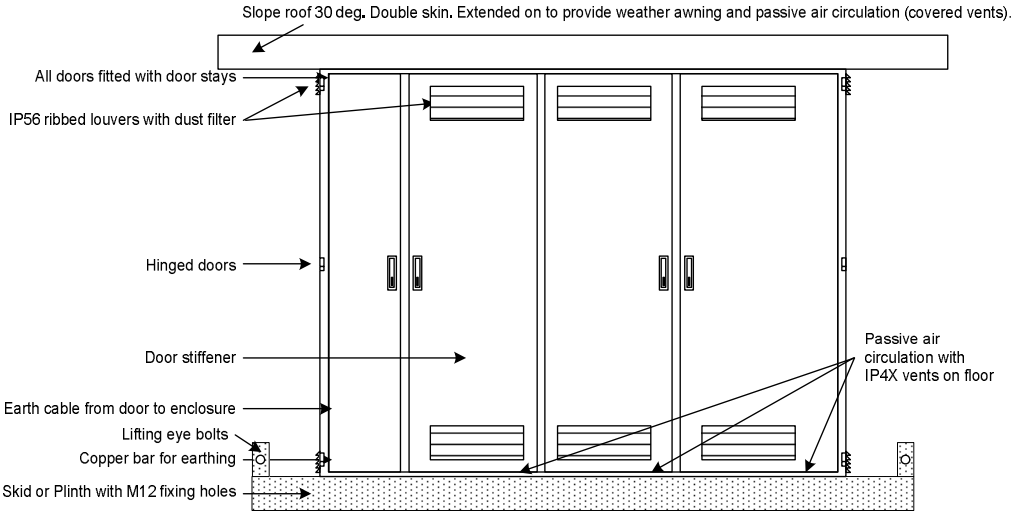
Construction Notes (Indoor version)

- 1) 9 off resistor bank can be fitted in one resistor panel.
- 2) Wiring code is to AS3000 or IEC Standards.
- 3) Nos. of interval start per hr: 5x
- 4) Consecutive start per hr: 2x
- 5) Max. temperature of resistor shall not exceed 375deg C.
- 6) Galvanized mild steel channel plinth.
- 7) Fitted with min. 3pt locking door, padlockable 6mm.
- 8) Stage switching scheme without rotor open circuiting.
- 9) Permanent slip resistance not considered. Optional.
- 10) Fitted with trimming run resistors, 8 taps.
- 11) Trimming run resistance size close as ½ rotor resistance.
- 12) Fitted with two off adjustable thermostat in resistor compartment, Alarm and trip signals via volt free contacts.
- 13) Fitted with control supply undervoltage relay.
- 14) Fitted with a rotor sequence test push button.
- 15) Fitted with high temperature silicon cables 180deg C within resistor compartment.
- 16) Optional extractor fan can be fitted to increase nos. of start.

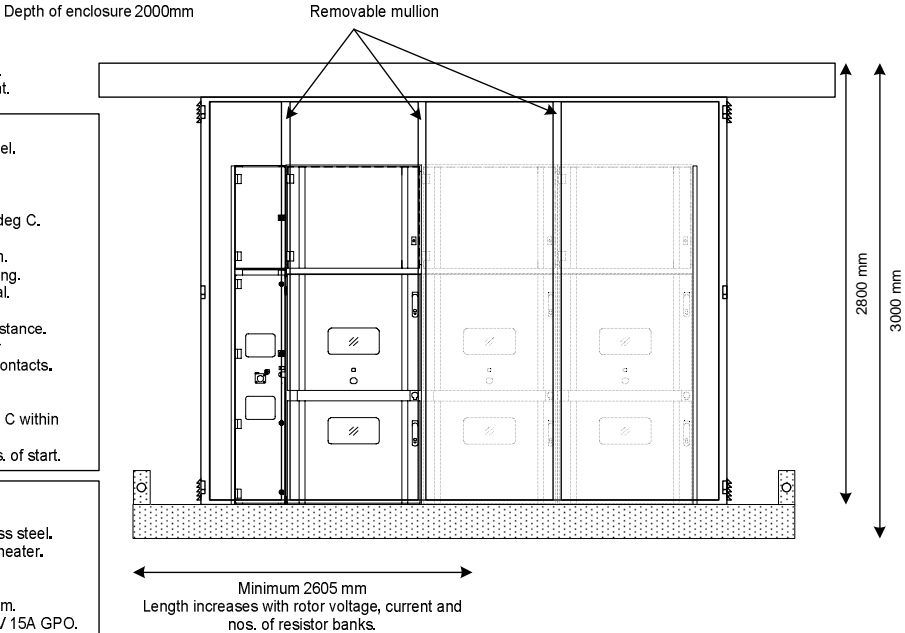
Construction Notes (Outdoor version)

- 1) Supplied same as Indoor version
- 2) Outdoor enclosure manufactured from 316 stainless steel.
- 3) Fitted with temperature control anti-condensation heater.
- 4) Galvanised mild steel channel plinth.
- 5) Fitted with door operated fluorescent light.
- 6) Fitted with min. 3pt locking door, padlockable 6mm.
- 7) Fitted with one 30mA RDC protected outdoor 240V 15A GPO.
- 8) Earth lugs fitted to frame

Front View (Outdoor version)



Front View (Outdoor version – Doors removed)



**Disclaimer:** The shown product pictures are mainly for illustration of the proposed functionalities.  
The supplied goods might look different from the illustrations shown

Date 15 May 11 Scale NTS ZVC Wound Rotor Resistor Starter

ABB Australia Pty Limited.

PANEL PROGRAM

Dwg # 1VGA674126 Rev. A Sh. 1 Dwn JO Chk SC

