



BRAKE CONTROL UNIT

V3 TSD (Two Step Delay) BRAKE CONTROL UNIT

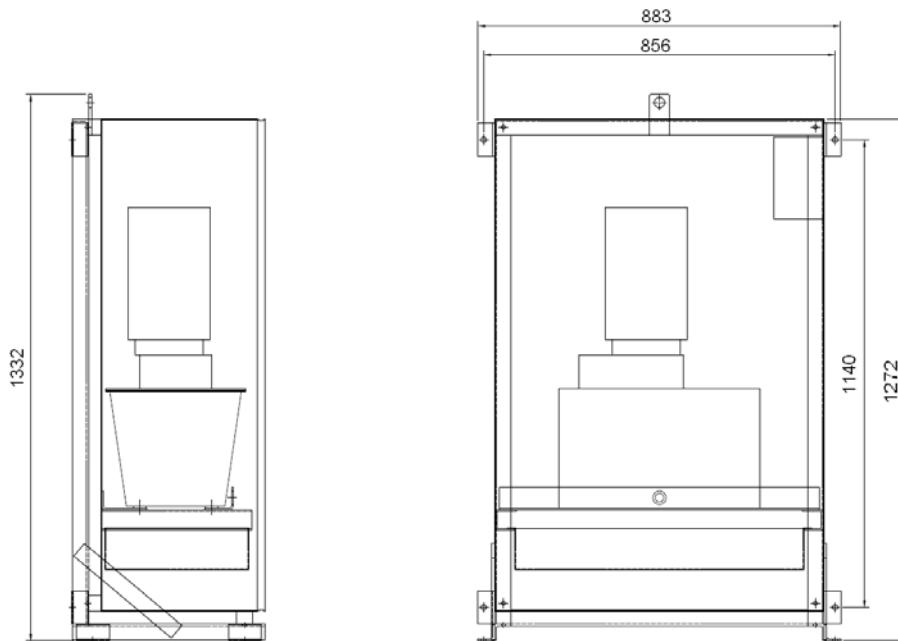


The Sibre V3 TSD Brake Control Unit has been designed specifically for use in conveyor drive applications where full braking force needs to be applied in two stages to prevent mechanical damage to the drive or conveyor belt.

The V3 BCU is designed to be used in conjunction with the SIBRE range of SHI Spring applied Hydraulic calliper disc brakes and can be used to control generally up to 4 brakes depending on their distance from the BCU.

The V3 BCU consists of the following main components:

- 3 kW 3 Phase Electric Motor
- Pump
- 0.75 l Accumulator
- Manifold with control valving
- Level switch
- 25L Aluminium Tank, Filler Breather and Sight Level gauge
- Digital P/switch with two adjustable set points (S1 & S2)
- Electrical components terminated into separate junction box



Technical Data

• Tank volume	25 litres
• Ambient temperature ranges	-15°C ... +40°C in standard version
• Humidity	< 90%
• Recommended operating fluid	ISO VG 46 Hydraulic Mineral Oil
• Protection class	IP66
• Max. no. of operating cycles per hour	30
• Motor supply voltage range	rotating ccw (fan end) 50 Hz / 380-420 V
• Valve voltages	24V DC, 240 VAC (Standard) others on request
• Flow capacity per valve	35 l/min at Δp 10 bar
• Envelope size	1272 x 883 x 472mm

