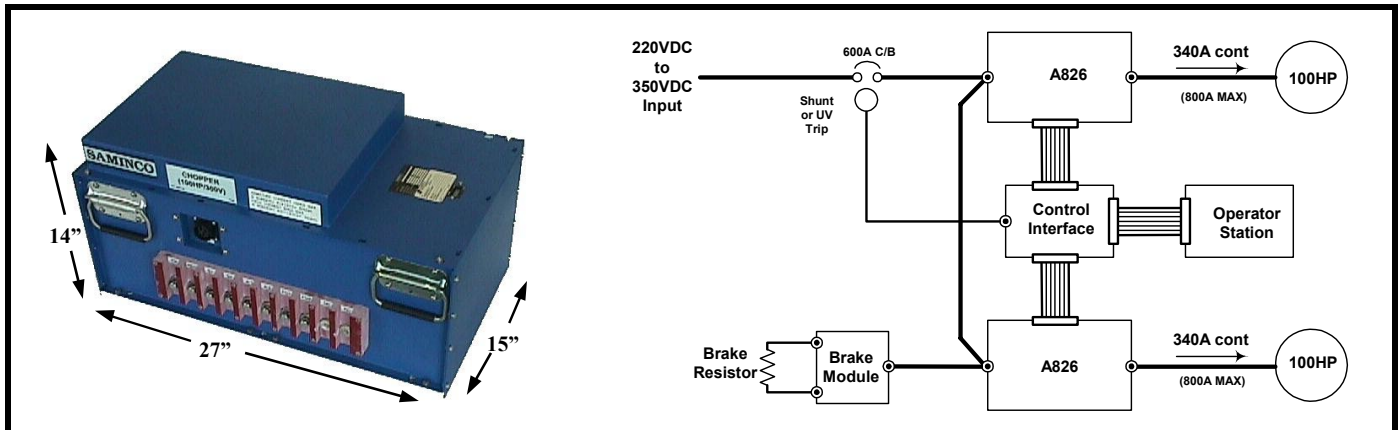


# A826 Locomotive Controller 25HP to 100HP 250VDC

**SAMINCO**  
ELECTRIC TRACTION DRIVES



- Single or tandem motor drive for locomotives powered from 320VDC trolley, or 240VDC battery
- Compact enclosure houses all power control devices, capacitor bank, and soft start devices
- Output current capability of 340A continuous, 800A peak for 10 seconds
- Provides infinitely variable, reversible speed control for DC series motors from 25HP to 100HP/250VDC
- Solid state reversing eliminates maintenance problems associated with contactors
- Shunt mode regenerative braking provides smooth, powerful, braking down to almost standstill. This feature greatly prolongs life of mechanical brakes
- Safe! Vehicle is not powered in reverse when joystick is moved to "braking" position
- Can be configured to operate two locomotives in tandem (4X100HP motors)
- Resistive braking module available for trolley operation

**Saminco Part Number: A800446**

**Specifications:**

<b>Input Voltage:</b>	220V to 350V (Trolley or Battery)
<b>Output Voltage:</b>	0 to 99% of input voltage
<b>Output current:</b>	Tramming: 340A continuously, 800A peak for 10 sec.
<b>Regen Braking:</b>	350A maximum
<b>Motor HP range:</b>	25HP to 100HP at 250VDC

Allow at least 6" below and above the A826 to allow for adequate cooling air circulation.

**Tramming:**

- The A826 is made ready by the operator pushing the green "Start" push-button on the Operator's Station, whereupon the "Ready" pilot light comes on.
- To tram Left, the operator sets the direction switch to "Left", and then moves his joystick station away from him. The vehicle can then only move left, and speed can be regulated by movement of the joystick away from center, which movement controls the current to the traction motor.
- To tram Right, the operator sets the direction switch to "Right", and then again moves his joystick away from him. As before, this will control the current in the traction motor, but movement is now restricted to the "Right" direction.

**Regenerative Braking:**

- Braking occurs whenever the operator moves his joystick towards himself.
- Braking intensity is proportional to the movement of joystick away from center, the greater the movement, the fiercer the braking action.

**Optional Braking Module:**

- When operated from a trolley supply, regen energy must be absorbed by an optional stand-alone Braking Module. (This will also be required in jurisdictions where regen braking into a battery is not permitted.)

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