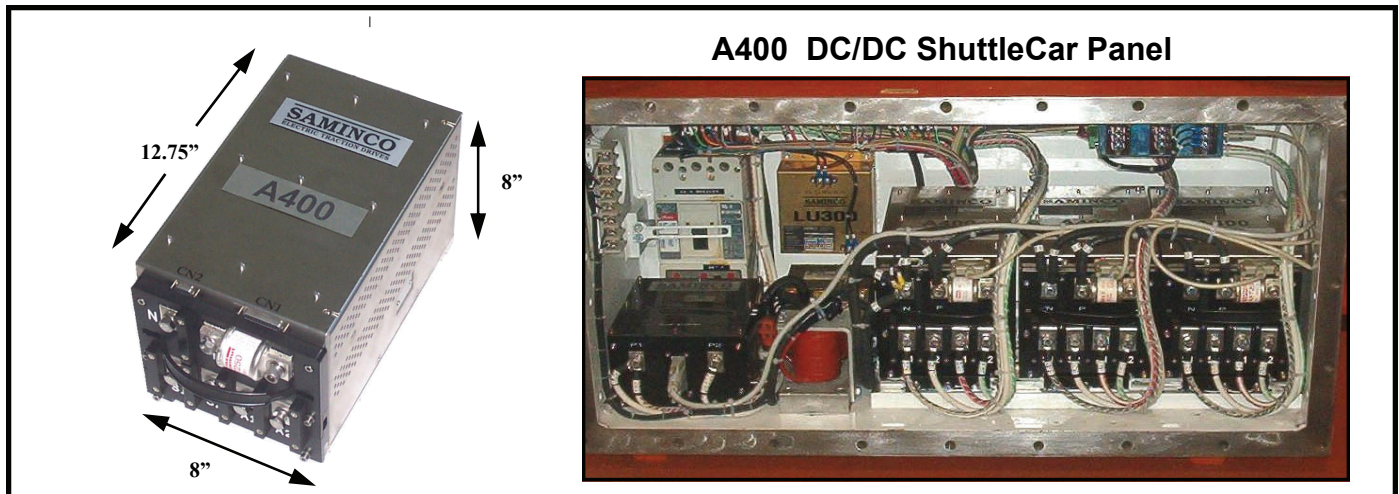


# A400

## 40HP DIGITAL DC DRIVE

### 180VDC TO 340VDC INPUT

**SAMINCO**  
ELECTRIC TRACTION DRIVES



- Provides infinitely variable, reversible speed control for 40HP series wound DC motors
- Compact, self contained unit includes cap bank, pre-charge circuit and DC-rated input contactor
- Programmable set-up and control parameters
- Solid State reversing eliminates problems associated with contactors
- Advanced diagnostics and data-logging via CAN-BUS network
- Reduced trailing cable heating due to DC inductor input to the controller
- Built-in motor thermal overload circuit with inverse time characteristic
- Neutral position starting: the A400 can not operate unless all controls are in “off” or neutral position.
- “Differential” action during cornering—Both tram motors have independent torque control ensuring excellent handling

**Saminco Part Number:**      **A800205-1**

**SPECIFICATIONS:**

<b>Input Supply:</b>	160VDC to 360VDC
<b>Output Voltage:</b>	0 to 98% of input voltage
<b>Output Current:</b>	140A Continuous, 400A peak for 20 seconds, every 5 minutes
<b>Over-current Protection:</b>	250A Fast Acting Fuse in the controller input
<b>Diagnostic Features:</b>	Real-time display of tram reference, motor current (A) and power (kW) and over 30 status, warning and fault messages.