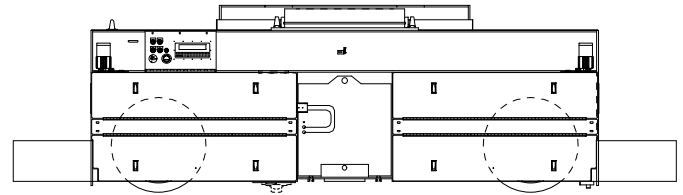


**Materials Handling Products**

- **60,000 Pounds Carrying Capacity and up to 100,000 Pounds available**
- **Wireless**
- **Automatic or Manual Operation**



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Siemens Dematic's DC-600 automatic guided vehicle is designed for rugged heavy-duty application in steel, aluminum, and metal fabrication facilities and mills. Coils, ingots, sheets and rods of metal products can be transported between work cells, receiving, manufacturing, and shipping automatically. Additionally, dies can be transported to support stamping and cutting operations in mills or metal fabrication facilities.

The DC-600 can also be used in the paper industry. Parent rolls can be transported from a material staging area or warehouse to the converting line. The deck of the AGV is designed to transport roll stock horizontally safely through the warehouse and converting operations.

**Warning and Safety Devices Options**

The standard capacity for the DC-600 is 60,000 pounds. The AGV is also available to transport load weights up to 100,000 pounds. The AGV deck can be designed and engineered for coils, rolls, sheet stock, or palletized material. Heavy-duty decks will lift or lower the product to be placed in P/D stands. At the load transfer point, local material handling devices can transport the load to its next intended location.

- Front and rear polycarbonate plastic bumper
- Emergency/normal stop buttons
- Audio beeper while in motion (adjustable volume)
- Start signaling horn
- Flashing warning lights while in motion
- Dual range infrared optics object detection system

- Alarm beeper to warn operator of incorrect input to display
- Side mounted safety optics
- Automatic charging
- Bi-directional guidance
- Vehicle Manager system control
- Dispatching via remote data entry terminal
- Host computer interface capability
- Virtual path guidance control

**Battery**

- Standard battery allows for eight to ten hours of operation (approximately one shift) depending upon duty cycle
- Optional automatic charging

**Mechanical Specifications**

**Load Deck:** Application specific - Lift Deck or Conveyor

**Capacity:** 60,000 pounds

**Drive Configuration:** Planetary Gear

**Drive Motor:** (2) 5HP 19V DC series wound

**Drive Wheel:** (4) 28"OD x 10"W x 22"ID urethane

**Frame:** Structural steel and 1/2" plate

**Brakes:** (2) 40 ft. lb. 48V DC fail safe

**Battery Compartment:** 64.5"L x 28"W x 30"H

**Battery Type:** 48 volts, up to 1300 amp hour capacity

**Manual Operation:** Pendant control - two ports - one at each end of the AGV

**Approx. Weight:** 15,000 lb. without battery

**Variable Speeds:** Loaded, 130 fpm max. Unloaded, 200 fpm max.

**On-Board Display:** Touch sensitive keypad with character display

**Charging System:** Battery change-out or fully automated opportunity charging

**Load Arms:** Operated to secure product during travel

**Min. Turning Radius:** 10'

**Steering:** Bi-directional 4 wheel independent steering

**Control Specifications**

**Controller:** Intel based microprocessor

**Electrical System:** 48-volt power, 1300 amp-hour capacity max.

**Navigation System:** Virtual wireless navigation

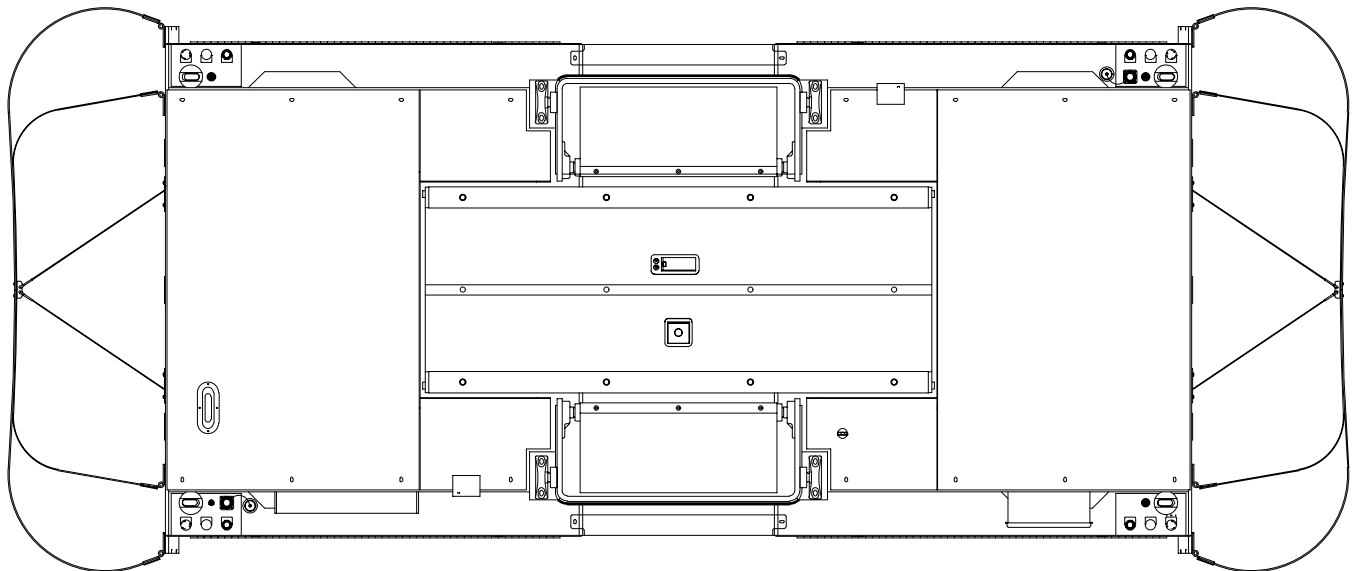
**Communications:** RF continuous communications

**Battery System:** Heavy-duty industrial grade battery with discharge meter

**Positioning Accuracy:** ± 1" Longitudinal, ± 1" Latitudinal in stands

**Guidance Method:** Wireless (Gyro)

**NOTE:** AGV specifications are for reference only and are subject to change based on application.



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