Air Cushion Vehicle

Air Cushion Vehicles: Engineered to Safely Move 20,000 lbs. to 600+ Tons

AeroGo Air Cushion Vehicles (AV) are an industry proven, modern means to move very heavy loads safely and precisely. Designed for skid supported loads, the AV can also be modified for direct loading.

Power Drive System: The power drive system allows loads to be moved easily and safely by one operator. Air cushion vehicles can be driven loaded or unloaded, individually or as a tandem pair (end-to-end or side-by-side) to provide required load capacity.

Remote Control: A wireless hand-held remote controls emergency stop, drive speed, drive direction, steering mode selection and steering direction. One operator controls the Air Cushion Vehicle, whether it is operating as a single or tandem unit, while moving, turning and stopping.

Aero-Casters: Aero-Casters are slide-mounted for ease of inspection or replacement without lifting the Air Cushion Vehicle.

Automatic Aero-Caster Control System: The LoadSense™ control system automatically adjusts the pressure and lift height of the Air Cushion Vehicle's casters to compensate for different load weights. Ultra-sonic sensors measure the height of the AV from the ground, hundreds of times per second. By using a non-contact style sensor the system is immune to debris on the floor, reducing the risk of damage.

Safety Features:

- Flashing lights and audible alarm when Air Cushion Vehicle is in motion
- Error/fault diagnostics on LCD touch screen
- E-stop switch on the vehicle as well as wireless remote control device
- Independent safety relay in the e-stop circuit
- Hose restraints on supply hoses
- Warning labels on all applicable surfaces
- Optional extra safety pendant is available

Easy to implement into existing assembly lines:

- Machine troweled, sealed concrete floors are sufficient
- Omni-directional positioning
- Increase production and maximize floor space
- Lower cost solution than traditional load handling methods such as in-floor conveyor, crane, or drag chain

Air Cushion Vehicles facilitate component movement and reconfiguration on an assembly line.

AV's can be driven as a tandem pair (end-to-end or side-by-side) and retain single operator control.

AeroGo, Inc. 1170 Andover Park West, Seattle WA 98188-3909 www.aerogo.com
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Advantages to Moving Heavy Loads with Air Caster Technology:

- Low profile
- Low friction; no floor damage
- Economical and reliable
- Flexible for a variety of applications
- Easy multi-positioning; omnidirectional
- Precise positioning without floor damage compared to traditional material handling equipment methods
- Ergonomic - reduces lift hazards
- Utilizes existing shop air
- Aero-Casters meet ASME specifications

ENGLISH SPECIFICATIONS

Model Number	*Maximum Capacity* (lbs)*	*Standard Length* (feet)*	*Standard Width* (feet)*	*Standard Height* (inches)*
AV-A150T	330,000	17	8	17
AV-A200T	440,000	23	8	17
AV-A300T	660,000	23	8	17
AV-A350T	770,000	23	8	17
AV-A400T	880,000	21	12	17

METRIC SPECIFICATIONS

Model Number	*Maximum Capacity* (kg)*	*Standard Length* (m)*	*Standard Width* (m)*	*Standard Height* (mm)*
AV-A150T	150,000	5.3	2.5	432
AV-A200T	200,000	7	2.5	432
AV-A300T	300,000	7	2.5	432
AV-A350T	350,000	7	2.5	432
AV-A400T	400,000	6.4	3.7	432

* Other sizes available

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