

Sagebrush Technology, Inc. Model 20 Stepper Application Matrix

Antenna Applications

Specification Requirement	Airborne Antenna	Marine or Ground Mobile Antenna	Ground Antenna
Payload			
Payload Description	Flat panel or small dish	Yagi, Flat panel, or small dish	Yagi, Flat panel, or small dish
Weight including Counterweights	Up to 20 lbs	Up to 20 lbs	Up to 20 lbs
Dimensions	Up to a 16" Diameter	Up to a 16" Diameter	Up to a 16" Diameter
Operating Environment			
Radome Required	Yes	Yes, except for Yagi antennas	Recommended
Rotary Joints	Not Supported	Not Supported	Not Supported
Maximum Airspeed	Limited by Radome		
Maximum Operating Altitude	15,000 ft Unpressurized, Unlimited Pressurized		
Special Requirements			
Stabilization	Not Available	Not Available	N/A
Continuous Rotation	Customization Required	Customization Required	Customization Required
Inertially Balanced Payload	Required	Required	Recommended

Sensor Applications

Specification Requirement	Airborne Sensor	Marine or Ground Mobile Sensor	Ground Sensor
Payload			
Payload Description			
Weight	Up to 10 lbs per side	Up to 10 lbs per side	Up to 10 lbs per side
Dimensions			
Operating Environment			
Sensor Housing Provided	No	No	No
Maximum Airspeed	Gimbal cannot be in the airstream		
Maximum Operating Altitude	15,000 ft Unpressurized, Unlimited Pressurized		
Special Requirements			
Stabilization	Not Available	Not Available	N/A
Continuous Rotation	Not Available	Not Available	Not Available
Inertially Balanced Payload	Required	Required	Required
Required Options	4"-Pan Bearing option recommended for some applications	4"-Pan Bearing option recommended for some applications	