



VEGA 75

GENERAL DESCRIPTION

VEGA 75 has a wide usage area thanks to its high lifting force and high encoder sensitivity.

VEGA 75's pan and tilt output torques of the servos are equal. So, it can lift 75 kg payload at any angle without the need for an upright position. Vega 75 supports RS-232/422/485 and Ethernet protocols.

It can be used as a camera, RF or GPS based tracking system with Magnetron Antenna Control Unit (ACU).

KEY SPECIFICATIONS

- Up to 75 Kg Payload Capacity
- Integrated Heater
- 7/24 All-Weather Outdoor Usage

VEGA 75

MAGNETRON



TECHNICAL DATA

Mechanical

Pan Speed	0.0008 RPM to 20 RPM (0.005°/s - 120°/s)
Tilt Speed	0.0008 RPM to 15 RPM (0.005°/s - 90°/s)
Azimuth Angle	Nx360° (Slip-Ring)
Elevation Angle	±90° (180°)
Payload Capacity	75Kg
Resolution	0.005°
Position Repeatability	0.01°
Backlash	0.12°
Rotational Limits	Fixed and Programmatically Adjustable
Motor Type	Hybrid Servo Motor
Material	Stainless Steel
Powder Coated	Powder Coated
Dimension (mm)	730x498x334
Weight (Kg)	75Kg

Operating Conditions

Temperature	-40°C to +60°C
Humidity	%95 R.H.
Altitude	50000ft
IP Rating	IP67

Electrical

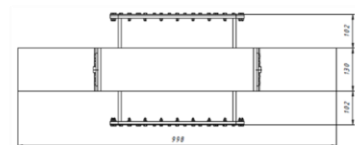
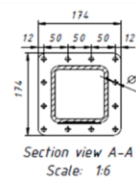
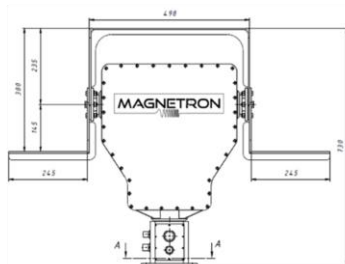
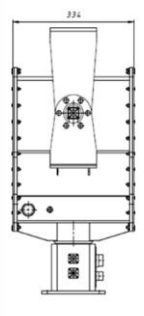
Operating Voltage	24-48 VDC (220 VAC Optional)
Current Consumption	Max. 10 A @ 24 VDC
Heater (Adjustable)	Max. 100 Watt
Position Feedback	Optical Encoder
Payload Power Output	10A @ 220 VAC
Payload Control Output	1xRS232, 1xRS422/485
Control Interface	Ethernet, RS232/422/485
Control Protocol	Magnetron ACU, Pelco-D
Connectors	MIL-DTL-38999
Sensors	Pressure, Temperature, Humidity, RTC, Gyroscope
GNSS Receiver	(GPS&GLONASS), 0.05 m/s, 0.3°
MTBF	45.000 hour

Storage Conditions

Temperature	-40°C to +70°C
Humidity	%95 R.H.
Altitude	50000ft

Environmental Test Standards

Mechanical	MIL-STD-810G
EMI/EMC	MIL-STD-461F



All units in mm