

# VSAT Drive-Away Satellite Antenna (Military Grade )

KU / X / KA Band Auto Pointing Antenna System 1.2m / 1.5m / 1.8m

## Antenna Specifications

Model	STC-1.2m-KU-L	STC-1.2m-X-L	STC-1.2m-KA-L
Band	KU	X	KA
Tx Frequency	13.75 - 14.50 GHz	7.90 – 8.40 GHz	29.40 - 31.00 GHz
Rx Frequency	10.70 - 12.75 GHz	17.70 - 20.20 GHz	19.60 - 21.20 GHz
Tx Gain	38.2+20lg(f/14.125) dBi	44.3+20lg(f/28.25) dBi	49.00+20lg(f/30.20) dBi
Rx Gain	37.0+20lg(f/11.85) dBi	40.4+20lg(f/18.95) dBi	45.50+20lg(f/20.20) dBi
Polarization Feature	Linear	Circular	Circular
Power Capacity	>100 watt	> 100 watt	>100 watt
Feed Interface	Rx / Tx: WR75	Rx: WR42 / Tx: WR28	RX WR42 / TX WR28
Cross Polarization	≥35dB ( Axis)	≥27 ( Axis)	≥27 (Axial)
Rx/Tx Isolation	>40dB / >85 dB	>40dB / >85 dB	>40dB / >85 dB
Side Lobe	< -14 dB (first sidelobe)		

## Mechanical - Electrical Specifications

Reflector Aperture	1.2 m (1.5m/1.8m optional)
Reflector Type	Offset, Carbon Fiber
Antenna Dimension (LxWxH)	1650 x 1220 x 325 mm
Antenna Weight	65 Kg
Azimuth	360°
Elevation	0°- 110°
Polarization	± 70°(KU Band)

## Environmental Specifications

Work Wind Load	1200 km/h
Temperature	-40°C - +60°C
Protection Grade	IP65
Humidity	0-98%



Disclaimer: All images are for reference purposes only

Revised | September 28 2020 (V2)

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## Picture



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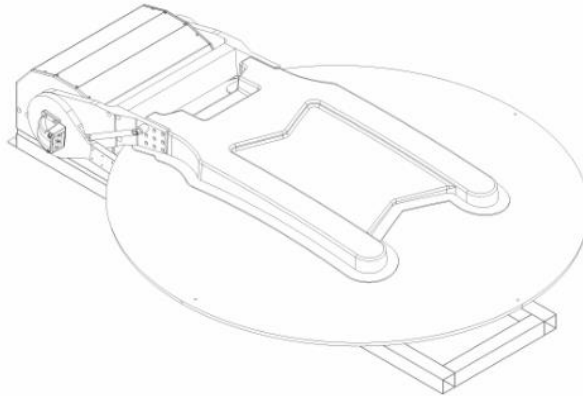
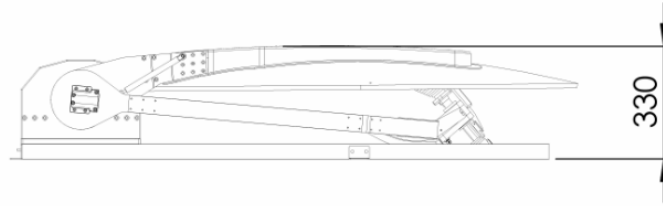
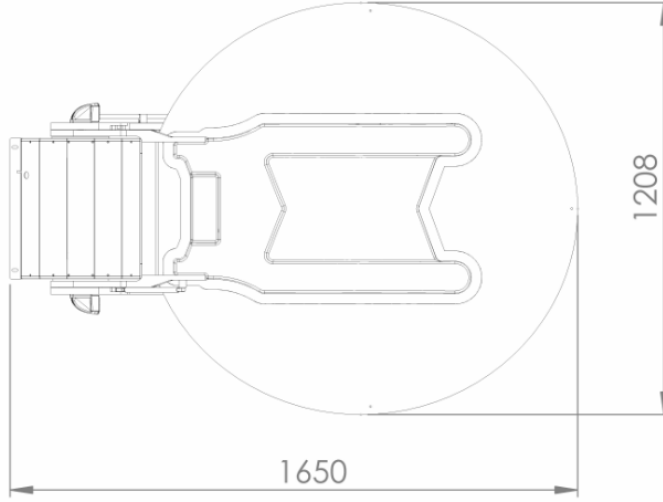


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## Drawing



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