

# VSAT DriveAway Satellite Antenna (Large)

*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
Antenna Dimension (LxWxH)	1650x1208x330 mm
Antenna Weight	32 Kg
Azimuth	360°
Elevation	0°- 92°
Polarization	± 70°(KU Band)

## Environmental Specifications

Work Wind Load	80 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)

**Important Notice:** Information contained in this data sheet is believed to be reliable at the date of issue, however accuracy and completeness is not guaranteed. Satelcom holds the right to change the product specifications without notice.



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## Picture



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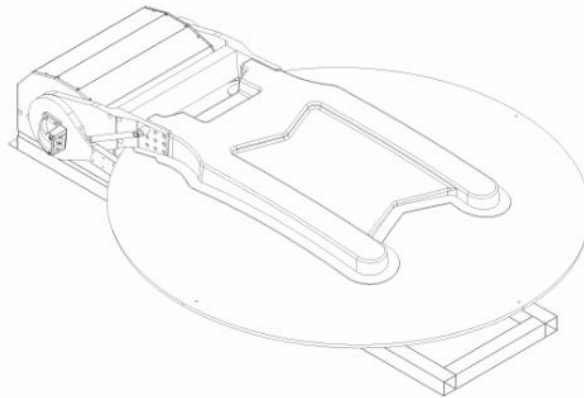
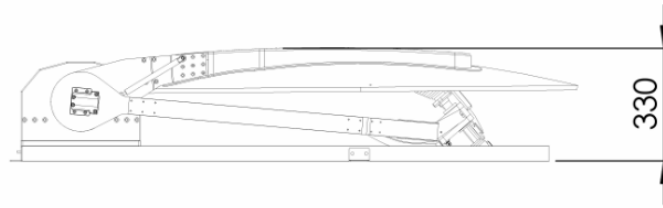
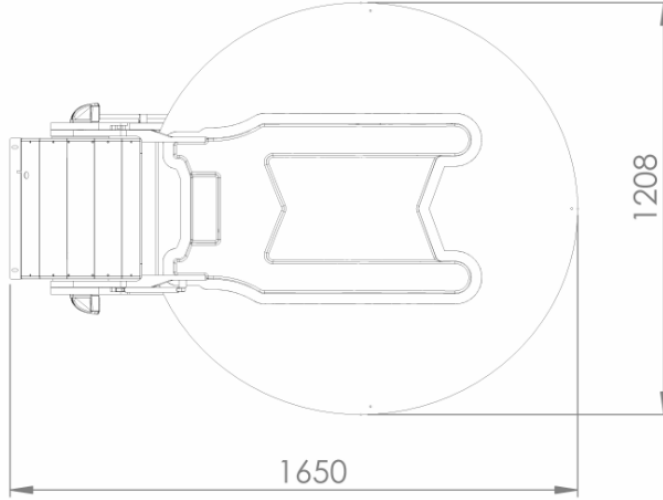
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## Drawing



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