

### Performance Specification

1. Electrical characteristics

Item	Unit	Specification
Offset Antenna	cm	65
Dish dimension	mm	634 x 682.2
Input frequencies	GHz from	10.75 to 12.75
Gain at 10.75 GHz	dBi	35.2
Gain at 11.75 GHz	dBi	36.1
Gain at 12.75 GHz	dBi	36.7
Half power beamwidth at 12.75 GHz	deg.	< 2.6°
Cross polar discrimination on main axis	dB	> 27
LNBF reference Enclosed and pre-mounted		See App. A

2. Mechanical and environment characteristics

Item	Unit	Specification
Type of reflector		Solid, offset
Reflector thickness	mm	0.6
Reflector accuracy	mm rms	0.8
Offset angle	deg.	22.1°
f/D ratio		0.6
ODU mounting options		
Universal mount		Yes, enclosed, powder coated Galvanised, 1.5mm thickness min
Elevation adjustable *	deg.	0° to 90°
Azimuth adjustable on wall or roof Mount over elevation range	deg.	180 over elevation range
Temperature range (operational and storage)	°C	-40 to +60
Windloading at 72 Km/h **	kg	17.40
Windloading at 144 Km/h **	kg	69.40
Windloading at 216 Km/h **	kg	156,20
Reflector material	made of:	Steel / aluminium
Back structure	made of:	Polypropylene + fibre glass + talc, black colour
AZ-EL holder	made of:	Galvanised steel
LNB arm	made of:	Aluminium
LNB holder	made of:	Polypropylene + fibre glass + talc, black colour

\* The elevation is adjusted by using the elevation scale marked on the AZ-EL holder

\*\* According to IEC 1114-2

