



HXPA ... 77 Series Antenna Specifications

	HXPA 1.2 D 77 FR	HXPA 1.5 D 77 FR	HXPA 1.8 D 77 FR
Electrical Specification			
Operating Frequency	7.750–8.500 GHz		
Diameter	1.2 m	1.5 m	1.8 m
Gain mid-band	36.7 dBi	38.7 dBi	40.5 dBi
Polarization	Linear Duplex (Horizontal and Vertical)		
Half-Power Beamwidth	2.2°	1.7°	1.5°
Return Loss	–20.8 dB	–20.8 dB	–23.1 dB
Front-to-Back Ratio	67 dB	69 dB	70 dB
Cross-Polar Discrimination	40 dB	40 dB	40 dB
Inter-Port Isolation	45 dB	45 dB	45 dB
Flange ¹	Upon Customer's Request		
¹ Coaxial cable connector, standard waveguide flange or any ODU interface is available upon request.			
Mechanical Specification			
Net Weight ²	62 kg	90 kg	151 kg
² Approximate weight (net weight depends on the required interfaces). Clamps, adjustment system, and side strut are included.			
Antenna Pointing Range			
Azimuth <i>fine</i>	±15°	±5°	±5°
Elevation <i>fine</i>	±20°	±5°	±5°
Material and Finish			
Mount	Hot-Dip-Galvanized Steel		
Installation Hardware	Stainless Steel		
Feed	Aluminium		
Environmental Specification			
Operating Windspeed	120 km/h		
Survival Windspeed	220 km/h		
Ambient Temperature	±55°C		
ETSI Standard			
ETSI Range	1	1	1
ETSI Class	3	3	3