



HXPA ... 59 Series Antenna Specifications

	HXPA 1.2 D 59 FR	HXPA 1.5 D 59 FR	HXPA 1.8 D 59 FR
Electrical Specification			
<i>Operating Frequency</i>	5.925–6.425 GHz		
<i>Diameter</i>	1.2 m	1.5 m	1.8 m
<i>Gain mid-band</i>	34.4 dBi	36.3 dBi	38.0 dBi
<i>Polarization</i>	Linear Duplex (Horizontal and Vertical)		
<i>Half-Power Beamwidth</i>	2.9°	2.3°	2.0°
<i>Return Loss</i>	-20.8 dB	-23.1 dB	-28.3 dB
<i>Front-to-Back Ratio</i>	59 dB	62 dB	66 dB
<i>Cross-Polar Discrimination</i>	38 dB	40 dB	40 dB
<i>Inter-Port Isolation</i>	45 dB	45 dB	45 dB
<i>Flange</i> ¹	Upon Customer's Request		
¹ Coaxial cable connector, standard waveguide flange or any ODU interface is available upon request.			
Mechanical Specification			
<i>Net Weight</i> 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			
<i>Azimuth</i> _{fine}	±15°	±5°	±5°
<i>Elevation</i> _{fine}	±20°	±5°	±5°
Material and Finish			
<i>Mount</i>	Hot-Dip-Galvanized Steel		
<i>Installation Hardware</i>	Stainless Steel		
<i>Feed</i>	Aluminium		
Environmental Specification			
<i>Operating Windspeed</i>	120 km/h		
<i>Survival Windspeed</i>	220 km/h		
<i>Ambient Temperature</i>	±55°C		
ETSI Standard			
<i>ETSI Range</i>	1	1	1
<i>ETSI Class</i>	3	3	3