



HXPA ... 180 Series Antenna Specifications

	HXPA 0.8 D 180 FR	HXPA 1.2 D 180 FR	HXPA 1.5 D 180 FR	HXPA 1.8 D 180 FR
Electrical Specification				
<i>Operating Frequency</i>	17.700–19.700 GHz			
<i>Diameter</i>	0.8 m	1.2 m	1.5 m	1.8 m
<i>Gain mid-band</i>	40.5 dBi	44.0 dBi	46.0 dBi	47.5 dBi
<i>Polarization</i>	Linear Duplex (Horizontal and Vertical)			
<i>Half-Power Beamwidth</i>	1.4°	0.9°	0.7°	0.6°
<i>Return Loss</i>	-17.7 dB	-17.7 dB	-17.7 dB	-17.7 dB
<i>Front-to-Back Ratio</i>	70 dB	72 dB	75 dB	76 dB
<i>Cross-Polar Discrimination</i>	36 dB	36 dB	36 dB	36 dB
<i>Inter-Port Isolation</i>	42 dB	42 dB	42 dB	42 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	31 kg	53 kg	90 kg	151 kg
² Approximate weight (net weight depends on the required interfaces). Clamps, adjustment system (and side strut from 0.8 m diameter) are included.				
Antenna Pointing Range				
<i>Azimuth fine</i>	±20°	±15°	±5°	±5°
<i>Elevation fine</i>	±30°	±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>	2	2	2	2
<i>ETSI Class</i>	3	3	3	3