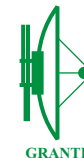


HPA ... 64 Series Antenna Specifications

	HPA 0.8 S 64 FR	HPA 1.2 S 64 FR	HPA 1.5 S 64 FR	HPA 1.8 S 64 FR
Electrical Specification				
<i>Operating Frequency</i>	6.425–7.125 GHz			
<i>Diameter</i>	0.8 m	1.2 m	1.5 m	1.8 m
<i>Gain mid-band</i>	31.9 dBi	35.5 dBi	37.5 dBi	39.2 dBi
<i>Polarization</i>	Linear Simplex (Horizontal or Vertical)			
<i>Half-Power Beamwidth</i>	3.9°	2.6°	2.1°	1.8°
<i>Return Loss</i>	–20.8 dB	–23.1 dB	–26.4 dB	–30.7 dB
<i>Front-to-Back Ratio</i>	60 dB	62 dB	65 dB	67 dB
<i>Cross-Polar Discrimination</i>	30 dB	30 dB	30 dB	30 dB
<i>Flange</i> ¹	Upon Customer's Request			
¹ N-connector, standard waveguide flanges or any ODU interface is available upon request.				
Mechanical Specification				
<i>Net Weight</i> ²	26 kg	62 kg	85 kg	146 kg
² Approximate weight (net weight depends on the required interface). Clamps, adjustment system, and side strut are included.				
Antenna Pointing Range				
<i>Azimuth</i> _{fine}	±20°	±15°	±5°	±5°
<i>Elevation</i> _{fine}	±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>	1	1	1	1
<i>ETSI Class</i>	2	3	3	3



HPA ... 64 Series Antenna Specifications

	HPA 1.2 D 64 FR	HPA 1.5 D 64 FR	HPA 1.8 D 64 FR
Electrical Specification			
Operating Frequency	6.425–7.125 GHz		
Diameter	1.2 m	1.5 m	1.8 m
Gain mid-band	35.3 dBi	37.3 dBi	39.0 dBi
Polarization	Linear Duplex (Horizontal and Vertical)		
Half-Power Beamwidth	2.6°	2.1°	1.8°
Return Loss	–20.8 dB	–23.1 dB	–28.3 dB
Front-to-Back Ratio	62 dB	65 dB	67 dB
Cross-Polar Discrimination	30 dB	30 dB	30 dB
Inter-Port Isolation	40 dB	40 dB	40 dB
Flange ¹	Upon Customer's Request		
¹ N-connector, standard waveguide flanges or any ODU interface is available upon request.			
Mechanical Specification			
Net Weight ²	62 kg	85 kg	146 kg
² Approximate weight (net weight depends on the required interface). Clamps, adjustment system, and side strut are included.			
Antenna Pointing Range			
Azimuth _{fine}	±15°	±5°	±5°
Elevation _{fine}	±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