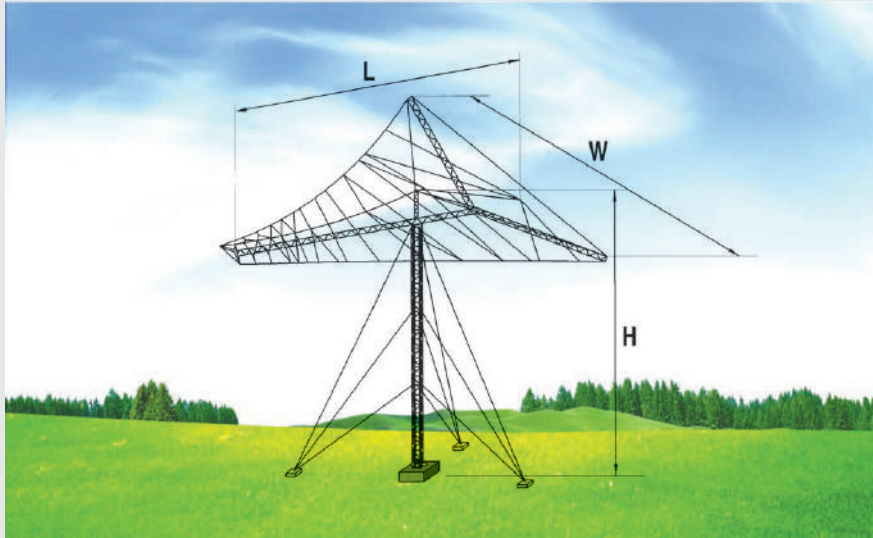


Horizontal Polarization Rotatable Directional LP Broad Band Antenna System

Model No. HGLPH-XD(HGLPH-2D(W) / HGLPH-4D(W))



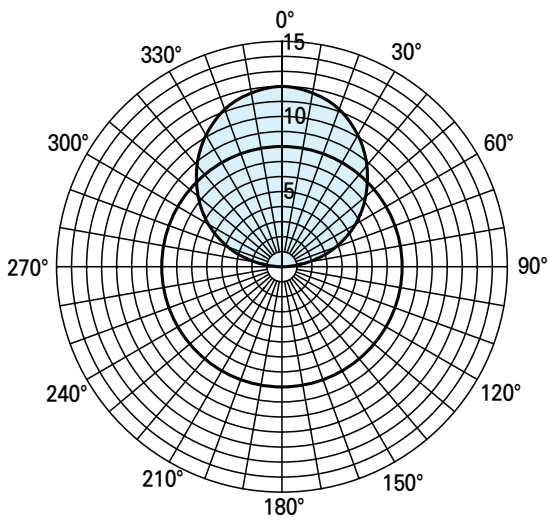
Specification

Model No.	HGLPH-2D(W)	HGLPH-4D(W)
Frequency Range	2~30MHz	4~30MHz
Gain(Main Lobe)*	12dBi : 6 ~ 30 MHz 11dBi : 4 ~ 6MHz 10dBi : 3 ~ 4MHz	12dBi(Nominal)
Max Power input	Receive 1kW Avg.(PP 2kW) 10kW Avg.(PP 40kW) 25kW Avg.(PP 50kW) 50kW Avg.(PP 200kW) 100kW Avg.(PP 400kW)	Receive 1kW Avg.(PP2kW) 10kW Avg.(PP 40kW) 25kW Avg.(PP 50kW) 50kW Avg.(PP 200kW) 100kW Avg.(PP 400kW)
Input Impedance /Connector	50Ω(Receive) / "N" – Type 50Ω(1kW) / 7/16"∅ Din Type 50Ω(10kW) / 1-5/8" ∅ EIA 50Ω(25kW) / 3-1/8" ∅ EIA 50Ω(50kW) / 3-1/8" ∅ EIA 300Ω(100kW) / Balanced	50Ω(Receive) / "N" – Type 50Ω(1kW) / 7/16"∅ Din Type 50Ω(10kW) / 1-5/8" ∅ EIA 50Ω(25kW) / 3-1/8" ∅ EIA 50Ω(50kW) / 3-1/8" ∅ EIA 300Ω(100kW) / Balanced
V.S.W.R	2.0 : 1 / 4 ~ 30MHz 3.0 : 1 / 2 ~ 4MHz	2.0 : 1
Beam Width(Az)	70° (Nominal)	70° Nominal
Rotation(Option)	±180° Tower Base Motor Drive	±170° Tower Base Motor Drive
Wind Load	60m/sec	60m/s
Dimension	H:30m, L:54m, W:48m	H:30m, L:45m, W:38m
Net Weight(Option)	2500kg ~ 6000kg	2400kg ~5000kg
Radiator	Wire Type / AL pipe Type	Wire Type / AL pipe Type

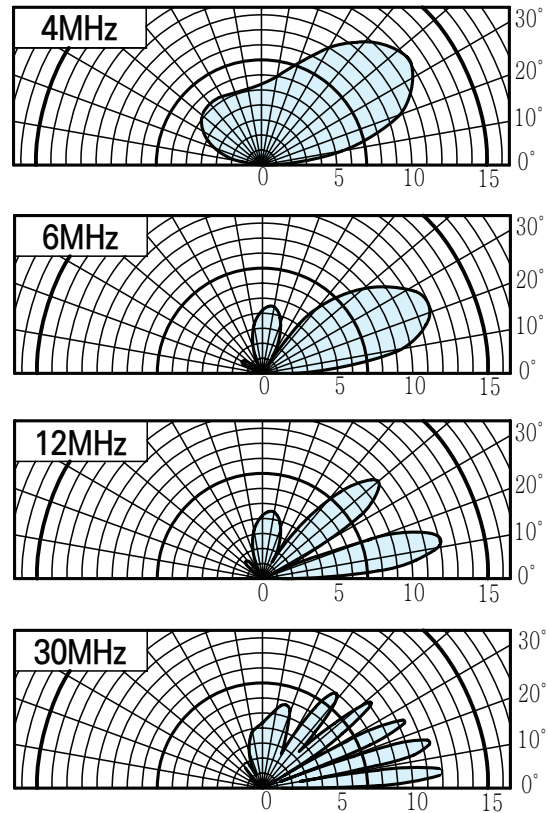
Horizontal Polarization Rotatable Directional LP Broad Band Antenna System

HGLPH-2D(W) / 4D(W)는 복사소자를 Wire를 사용한 그물망 형태로 제조하여 경량이며 회전장치를 부착한 고이득 지향성 안테나로 원격제어가 가능하다. 송신기의 출력용량에 따라 급전부의 입력 콘택타 규격이 달라지므로 선택해야한다. 안테나의 회전장치는 철탑 하부에 부착하여 보수유지를 편리하게 하였다.

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Horizontal Polarization Rotatable Directional LP Broad Band Antenna System

Model No. HGLPH-XD(HGLPH-4D(P) / HGLPH-6D(P))



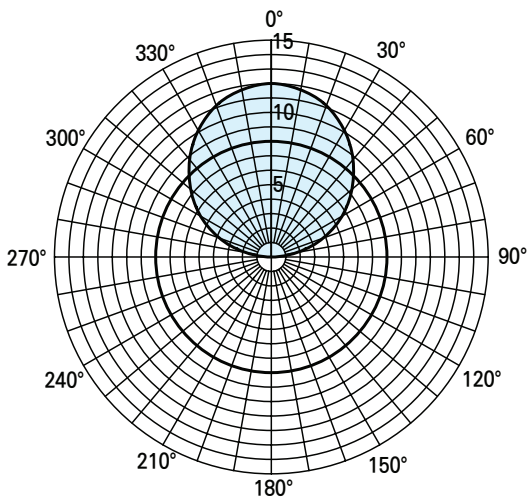
Specification

Model No.	HGLPH-4D(P)	HGLPH-6D(P)
Frequency Range	3 ~30MHz	6 ~ 30MHz
Gain(Main Lobe)*	10dBi(Nominal):3 ~ 4 MHz 12dBi(Nominal):4 ~ 30MHz	12dBi(Nominal)
Max Power input	Receive 1kW Avg.(PP2kW) 10kW Avg.(PP 40kW) 25kW Avg.(PP 50kW) 100kW Avg.(PP 400kW)	Receive 1kW Avg.(PP2kW) 10kW Avg.(PP 40kW) 25kW Avg.(PP 50kW) 100kW Avg.(PP 400kW)
Input Impedance /Connector	50Ω(Receive) / "N" – Type 50Ω(1kW) / 7/16"∅ Din Type 50Ω(10kW) / 1-5/8" ∅ EIA 50Ω(25kW) / 3-1/8" ∅ EIA 300Ω(100kW) / Balanced	50Ω(Receive) / "N" – Type 50Ω(1kW) / 7/16"∅ Din Type 50Ω(10kW) / 1-5/8" ∅ EIA 50Ω(25kW) / 3-1/8" ∅ EIA 300Ω(100kW) / Balanced
V.S.W.R	2.0 : 1	2.0 : 1
Beam Width(Az)	70° Nominal	70° Nominal
Rotation(Option)	± 180° Tower Base Motor Drive	± 180° Tower Base Motor Drive
Wind Load	60m/sec	60m/sec
Dimension	H:30m, L:24m, W:37m	H:30m, L:20m, W:25m
Net Weight(Option)	4,900kg	3,800kg
Radiator	AL Pipe Type / Wire Type	AL Pipe Type / Wire Type

Horizontal Polarization Rotatable Directional LP Broad Band Antenna System

HGLPH-4D(P) / HGLPH-6D(P)는 소형 경량화하기 위하여 복사소자(Radiation Element)들과 중앙지지대(Boom)을 알루미늄 합금(6061T6)로 제조하였으며, 회전 장치는 철탑 하부에 부착하여 보수 유지를 용이하게 하였다.

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