

Specifications Sheet:

PRIME FOCUS MESH DISH KIT 3 Meter DISH supplied as 6-Petal

Available F/D: **0.45** (P/N: FPD 3M0 KIT/6P)



3 meter DISH KIT



- ✓ This 3 Meter Prime Focus MESH DISH KIT is specially designed to use with prime focus dish feeds.
- ✓ RF HAMDESIGN can offer you a wide range of Dish feeds, Linear (H or V) or circular (LHCP or RHCP) polarized. Multiband linear dish feeds up to 5 band are also available.
- ✓ We can supply you several dish feeds clamps to fit a dish feed.
- ✓ Built up notes of each Mesh Dish are in the delivered user manual described step by step with lot of pictures.
- ✓ All delivered mounting parts are made of stainless steel and or Aluminum.
- ✓ To assemble RF HAMDESIGN's 6-Petal DISH KIT you only need some small hand tools, an open end spanner No. 10 and 13 !
- ✓ Assembly time is about 1... 1 ½ hours.
- ✓ **This 3M0 6-Petal Dish is also available as DIY 3M0 6-Petal Dish**



Specifications 3 Meter Prime Focus Mesh Dish 6-Petal

Mesh useable up to	6 GHz / Option 11GHz 2.8mm mesh
Weight 3M dish (ex dish feed)	30 Kg / 36.5 Kg (6mm / 2.8mm mesh)
Wind load 120 Km/h	771 N / 1046 N (6mm / 2.8mm mesh)
DISH Surface area:	7.07 M2
Supplied including Mast clamp	No: Available Option
2 pcs CNC Milled center	Aluminum, 20cm diameter / 10mm thickness
20mm assembled ribs ready to place	18 pcs
Inner rings to secure mesh	5 pcs
Feed support including	3 or 4 leg 15 or 20mm/sq
Available F/D	0.45
Weight	33Kg / 37Kg (6mm / 2.8mm mesh)

Gain calculation

(Surface quality factor (eta) 0.65)

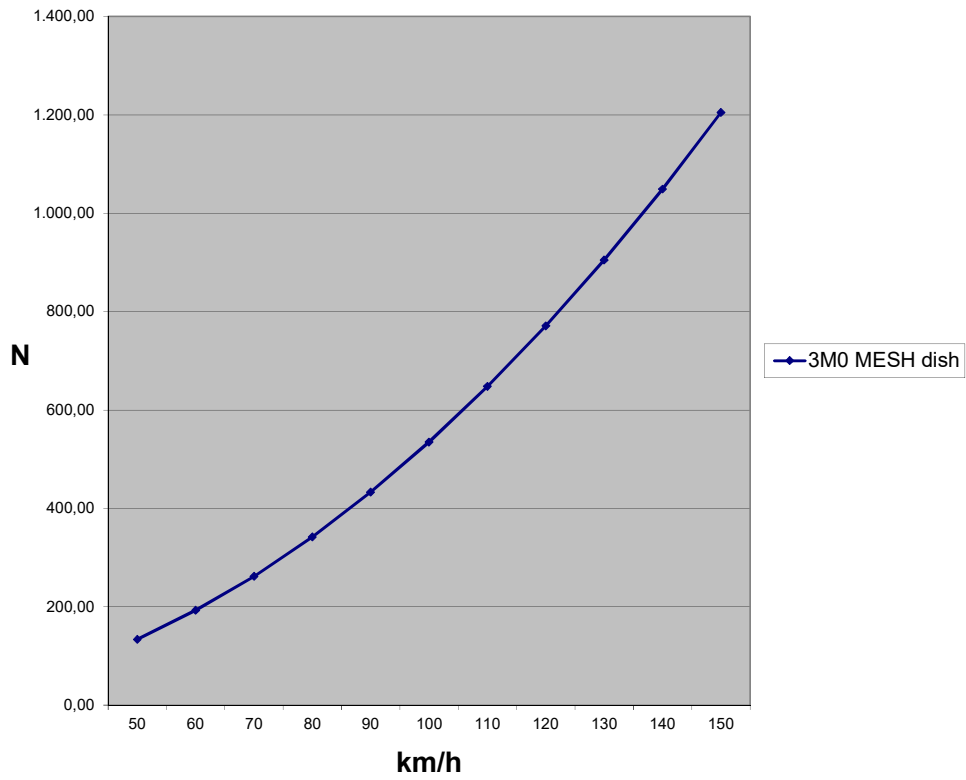
Frequency MHz	Gain dBd	1/2-power (3 dB) beam widths Degree
1296	30.3	5.7
2320	35.4	3.2
3456	38.8	2.1
5760 (option 2.8mm mesh)	43.3	1.3
10368 (2.8mm mesh)	N.A.	N.A.

Focal length

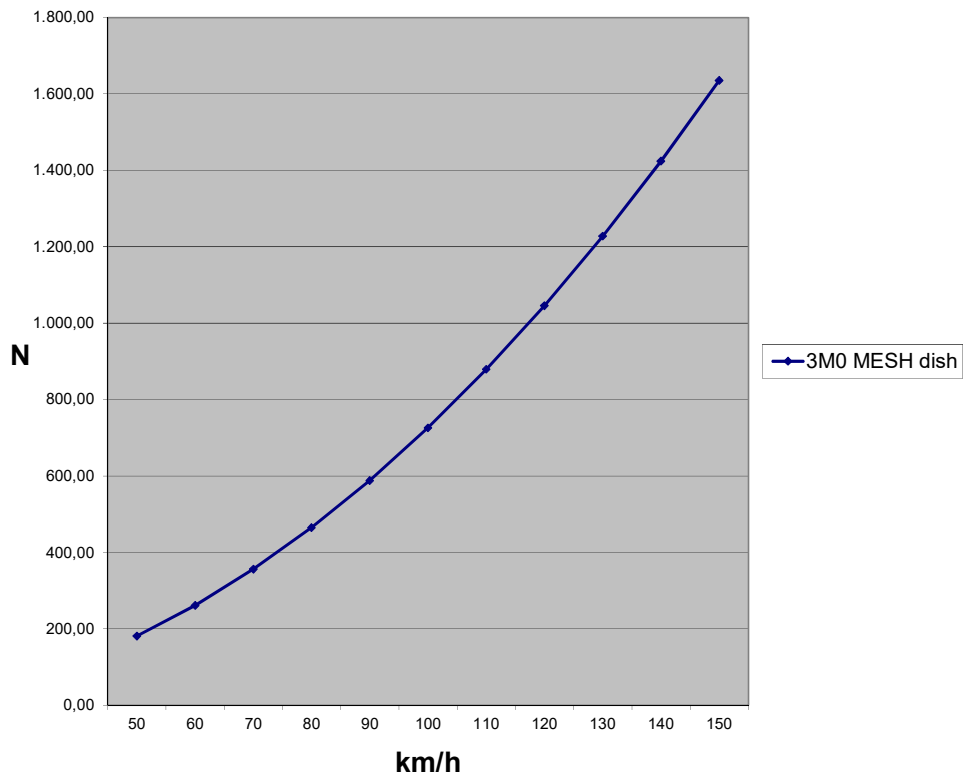
(Focal length: the distance from the center of the dish to the front of the dish feed.)

DISH SIZE	F/D=0.45
3 meter	135 cm

**RF HAMDESIGN
WIND LOAD 3M0 MESH DISH 6mm Mesh**



**RF HAMDESIGN
WIND LOAD 3M0 MESH DISH 2.8mm Mesh**



Available options to rotate the 3 Meter DISH

<ul style="list-style-type: none"> ➤ SPID or SPX Azimuth / Elevation rotator, 12 / 24 Volts ➤ Incl controller with built in track interface ➤ Resolution standard 1 degree / option 0.5 and 0.2 degree 	
<ul style="list-style-type: none"> ➤ Mounting bracket to interface Dish and Rotator ➤ Made of aluminium ➤ Stainless steel bolts ➤ Easy to mount at all SPID AZ&EL rotators 	
<ul style="list-style-type: none"> ➤ SPID Adaptor ➤ Used to place the rotator at a base plate 	
<ul style="list-style-type: none"> ➤ Power supply 110~230Volts AC ➤ Output 20-26Volts DC / 11.7Amp 	
<ul style="list-style-type: none"> ➤ 8-Core control cable 	

Note: Prices can be found in our price list, download link at our web-site:
www.rfhamdesign.com