FEATURES

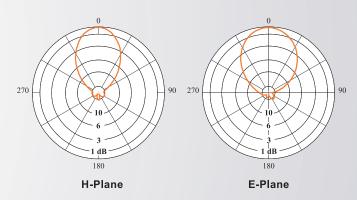
- horizontal polarization
- broadband 87.5 ÷ 108 MHz
- 6.5 dB gain
- directional pattern
- suitable as a component in various arrays on triangular towers
- stainless steel dipoles



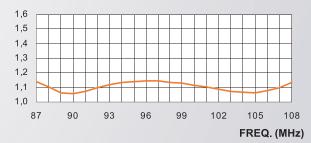
ELECTRICAL DATA ANTENNA TYPE FM-05H 87.5 ÷ 108 MHz FREQUENCY RANGE IMPEDANCE 50 ohm CONNECTOR 7/16 F or 7/8" EIA MAX POWER 3 kW (7/16 F), 5 kW (7/8" EIA) VSWR ≤ 1.15 POLARIZATION Horizontal GAIN (referred to half wave dipole) 6.5 dB E-Plane ± 38° HALF POWER BEAMWIDTH H-Plane ± 28° LIGHTNING PROTECTION All Metal Parts DC Grounded

MECHANICAL DATA					
DIMENSIONS	MENSIONS 2500 x 1700 x 1113 mm				
WEIGHT	62 kg				
WIND SURFACE	0.72 m ²				
WIND LOAD (at 150 km/h)	1.05 kN				
MAX WIND VELOCITY	270 km/h				
MATERIALS	Reflector (hot dip galvanized steel)				
	Dipoles (stainless steel)				
	Internal parts (silver plated brass,				
	polished brass, deoxidized aluminium)				
	Radome (fiberglass)				
ICING PROTECTION	Feed point radome				
RADOME COLOUR	Grey (standard)				
MOUNTING	Directly on supporting mast				

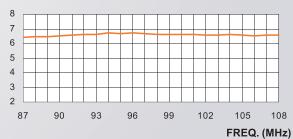
RADIATION PATTERNS (Mid Band)



VSWR



GAIN (dB)





FEATURES

- radiating systems with FM-05H panel
- high power systems
- omnidirectional or directional patterns
- equal or unequal split ratio power distribution network
- broadband 87.5 ÷ 108 MHz



FM-05H/12 (6x2) VANCOUVER, B.C., CANADA

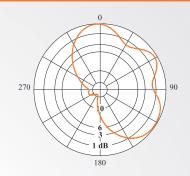
ELECTRICAL DATA				
FREQUENCY RANGE	87.5 ÷ 108 MHz			
IMPEDANCE	50 ohm			
CONNECTOR	EIA flange according to system			
	power rating			
POWER RATING	The antenna system can accept			
	any power according to requirements			
VSWR	≤ 1.2 Throughout the frequency range (Lower figures for individual channels on request)			
POLARIZATION	Horizontal			
GAIN	Refer to table			
HORIZONTAL PATTERN	Any type according to requirement			
VERTICAL PATTERN	Null fill, beam tilt and special			
	requirements to order			
OTHER FEATURES	The antenna system can be supplied			
	in split feed configuration (two equal halves).			
	Each half can accept full power.			

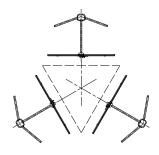
MECHANICAL DATA	
HEIGHT OF ARRAY	Subject to number of bays
TOTAL NET WEIGHT	Refer to table
WIND LOAD	Refer to table
PRESSURIZZABLE	Yes
RADOME COLOUR	Grey (standard)
MOUNTING HARDWARE	Available upon request

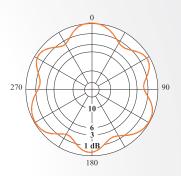


HORIZONTAL PATTERNS WITH 2, 3 FACES AT 98 MHz

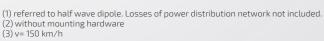


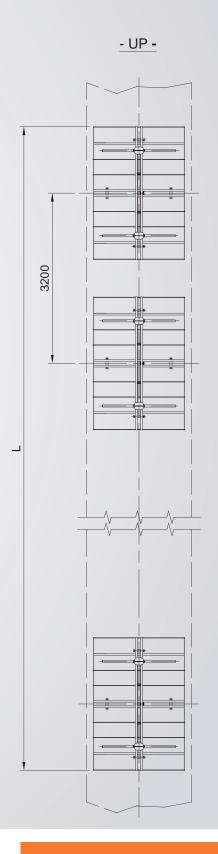






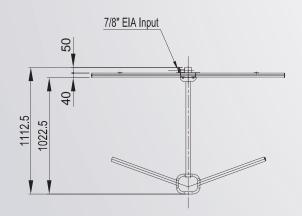
TECHN	ICAL DAT	'A				
NUMBER	PANELS	GAIN	GAIN	WEIGHT	ANTENNA	WIND LOAD
OF	PER	dB	TIMES	kg	HEIGHT L	kN
BAYS	BAY	(1)	(1)	(2)	m	(3)
1	2	3.3	2.1	140	2.5	1.96
I	3	1.6	1.4	210		2.20
	1	9.5	8.9	140	5.7	2.10
2	2	6.5	4.5	287		3.93
	3	4.8	3.0	438		4.40
	1	12.7	18.6	287	12.1	4.20
4	2	9.7	9.3	596		7.85
	3	8.0	6.3	892		8.80
	1	14.5	28.2	438		6.30
6	2	11.5	14.1	892	18.5	11.78
	3	9.8	9.6	1260		13.20
	1	15.8	38.0	596		8.40
8	2	12.8	19.0	1102	24.9	15.71
	3	11.1	12.9	1695		17.61





DIMENSIONAL DETAILS

1700 1200 170 170 N° 8 FORI Ø 14 14 DIA - 8 HOLES



VERTICAL PATTERN

