

K72314 series
DIRECTIONAL ANTENNA
11 dBd gain
470–860 MHz

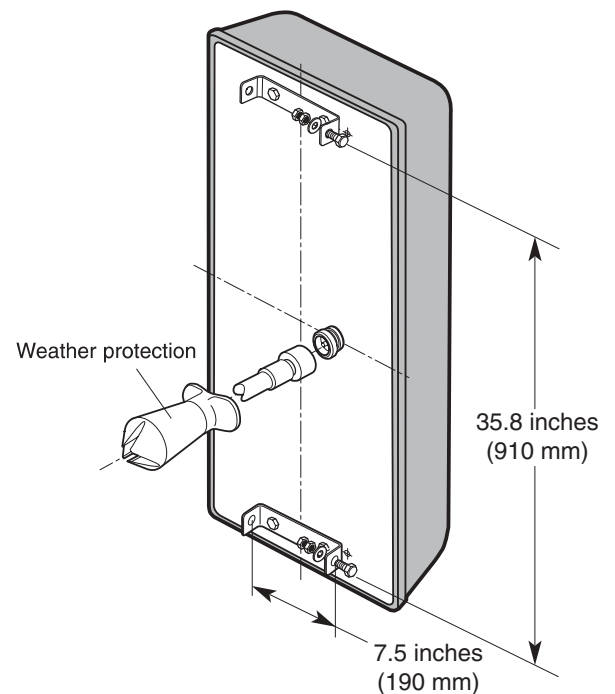
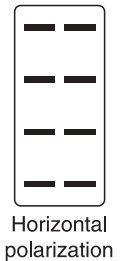
The Kathrein Scala Division K72314 series directional broadband panel antennas are intended for use in professional fixed-station applications in the 470–860 MHz bands. They feature:

- Heavy-duty stainless steel and aluminum construction throughout.
- Excellent bandwidth and VSWR specifications.
- Silver plated copper radiators.
- Heavy fiberglass radome assures excellent performance in heavy icing conditions.
- All metal parts at DC ground potential.
- Multiple antennas may be used to meet a variety of radiation patterns.

Specifications:

Frequency range	470–860 MHz (broadband)
Gain	11 dBd
Impedance	50 ohms
VSWR	<1.1:1
Polarization	Horizontal
Maximum input power	
N female	0.5 kW (at 50° C)
7/16 DIN female	1 kW (at 50° C)
H-plane beamwidth	28 degrees (half-power)
E-plane beamwidth	62 degrees (half-power)
Connector	N or 7/16 DIN female
Weight	26.5 lb (12 kg)
Dimensions	39.4 x 19.7 x 7.5 inches (1000 x 500 x 190 mm)
Equivalent flat plate area	7.84 ft ² (0.728 m ²)
Wind survival rating*	140 mph (225 kph)
Shipping dimensions	41.8 x 22 x 10.8 inches (1062 x 562 x 275 mm)
Shipping weight	35 lb (15.9 kg)

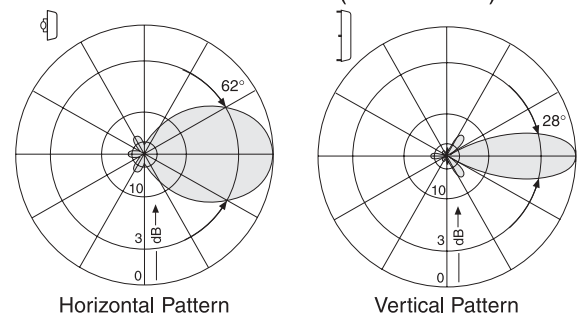
* Mechanical design is based on environmental conditions as stipulated in EIA-222-F (June 1996) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.



Order Information:

Model	Description
K723141	Panel antenna with N connector
K723147	Panel antenna with 7/16 DIN connector

Radiation Patterns (at mid-band)



10680-A