

UNX20-xx

20-inch diameter Antenna Enclosure

- 3-Sectors inside cylindrical enclosure
- Accommodates a wide variety of Cellular, PCS, and WideBand antennas
- $\pm 30^\circ$ independent azimuth adjustment per sector
- Stackable to satisfy co-location requirements
- Removable radome segments for easy field access



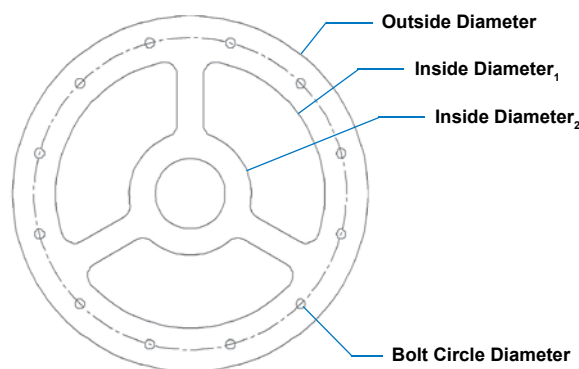
Mechanical Specifications						
Unicell Model Number (xx)	UNX20-14		UNX20-19		UNX20-25	
Diameter of radome	511 mm	20.1 in	511 mm	20.1 in	511 mm	20.1 in
Height	1829 mm	72 in	2438 mm	96 in	2743 mm	108 in
Weight (excluding antennas)	80.3 kg	177 lbs	90.0 kg	198 lbs	100.7 kg	222 lbs
Antennas accommodated	See Unicell and Antenna Compatibility table or individual antenna datasheet.					
Azimuth swivel for antenna width < 7 in (177 mm)	$\pm 30^\circ$ w/ optional mounting kit		$\pm 30^\circ$ w/ optional mounting kit		--	
Mechanical til for antenna width < 7 in (177 mm)	4° w/ optional mounting kit		4° w/ optional mounting kit		--	
Azimuth swivel for antenna width > 7 in (177 mm)	No		No		No	
Mechanical tilt for antenna width > 7 in (177 mm)	No		No		No	
Stackable	Yes		Yes		Yes	
Windload @ 100mph (160km/h)	463 N	104 lbf	606 N	136 lbf	770 N	173 lbf
Survival wind - single model	241 km/h	150 mph	241 km/h	150 mph	241 km/h	150 mph
Survival wind - stacked models	201 km/h	125 mph	160 km/h	100 mph	137 km/h	85 mph

Electrical Characteristics	
Gain loss through radome	< 0.3 dB
VSWR	< 1.4:1 Max
Port to port isolation	> 28 dB
Sector to sector isolation	> 45 dB
Front to back ratio	> 25 dB

Refer to individual antenna datasheets for all other electrical specifications.

Accessories	Part Number	Description
Mounting mast	UNX20-M-120	Mounting mast, 120 in x 20 in dia
Flag adapter kit	UNX20-F	20 in Unicell ball and truck assembly
Cable access canister	UNX20-C	20 in Unicell Canister
Lightning protection kit	UNX-LPK	Copper air finial with 6m (20 ft) cable attached

Unicell Flange Interface:



OD: 20.50 inches (520.7 mm)
ID₁: 15.50 inches (393.7 mm)
ID₂: 7.05 inches (179.1 mm)
BCD: 12 x 0.53 inch dia. (13.5 mm) on 18.0 inch dia. (457.2 mm) bolt circle