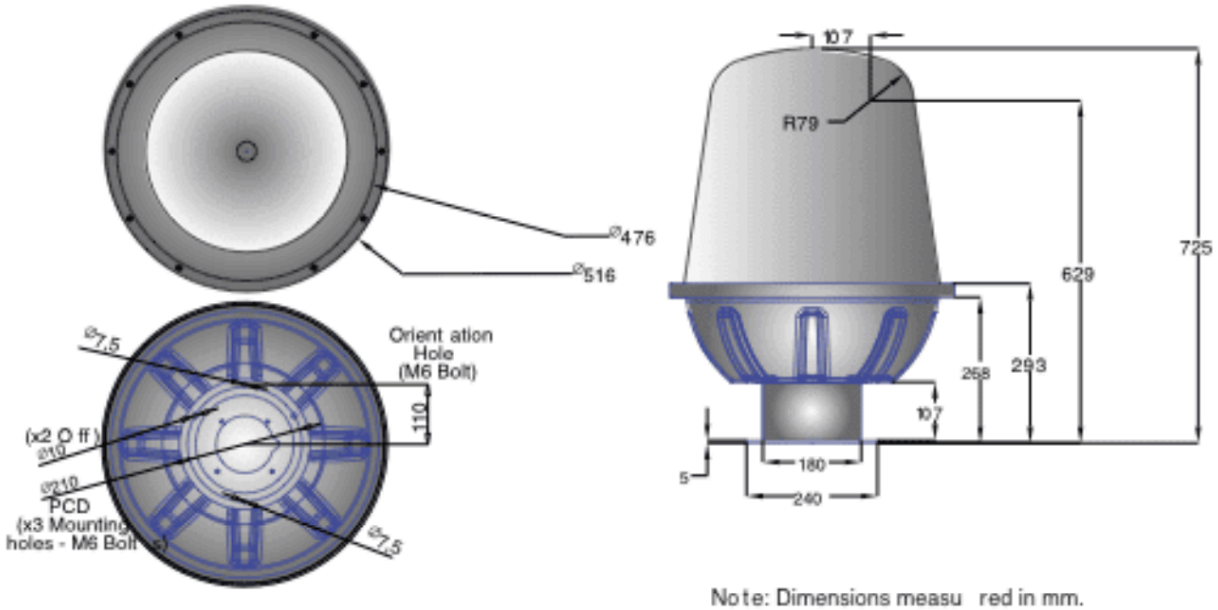
HDR300 SERIES TECHNICAL DATASHEET

MODELS	INDICATIVE RANGE	UPDATE RATE
HDR331	3,000 metres	1 Hz
HDR321	2,000 metres	1 Hz
HDR311	1,250 metres	1 Hz

DIMENSIONS

Measurements	H725mm x W516mm
Weight	22 kg



Note: Dimensions measu red in mm.

Specifications are subject to change without notice.
All images used are for illustrative purposes only.
Due to customer use beyond our control, Navtech Radar cannot assess product relevance for specific applications. Customers are responsible for testing products and reviewing regulations to ensure safe operation.

Navtech complies with the following ISO standards

ISO 9001:2015 Quality
ISO 27001 Information Security
ISO 20000 IT Service Management
ISO 45001 Health and Safety
ISO 14001 Environmental

Navtech Radar
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www.navtechradar.com

Safety is everything.

TECHNICAL SPECIFICATIONS - HDR300 Series

Operating Frequency	76 - 77 GHz
Operating Range	HDR331 : 5-2000m Person; 5-3000m Vehicle HDR321 : 5-3200m Person or Vehicle HDR311 : 5-1250m Person or Vehicle
Range Resolution	HDR331 : 0.23m HDR321 : 0.155m HDR311 : 0.155m
Azimuth Beamwith	0.9°
Elevation Beamwidth	3°
Infill Elevation Beam	Optional
Measurement Rate	800 per rotation
Field of View	360°
Update Rate (Rotation Speed)	1s (1 Hz)
Data Connection	1 Gbps Ethernet
Power Consumption	36 Watts
Power Supply	24 Volts DC
Mounting Height	HDR331 : 6-8m HDR321 : 6-8m HDR311 : 4-6m
Safe Working Distance (from radome)	0.1m
Operating Temperature	-20°C to + 60°C
Environmental	UL50/50E IP 67 BS EN 60068-2-52:1996 Test Kb Severity 3
Compliance	CE, UKCA , ACMA, FCC Marked
EMC Directive	2014/30/EU
Low Voltage Directive	2014/35/EU
Radio Equipment Directive	2014/53/EU

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