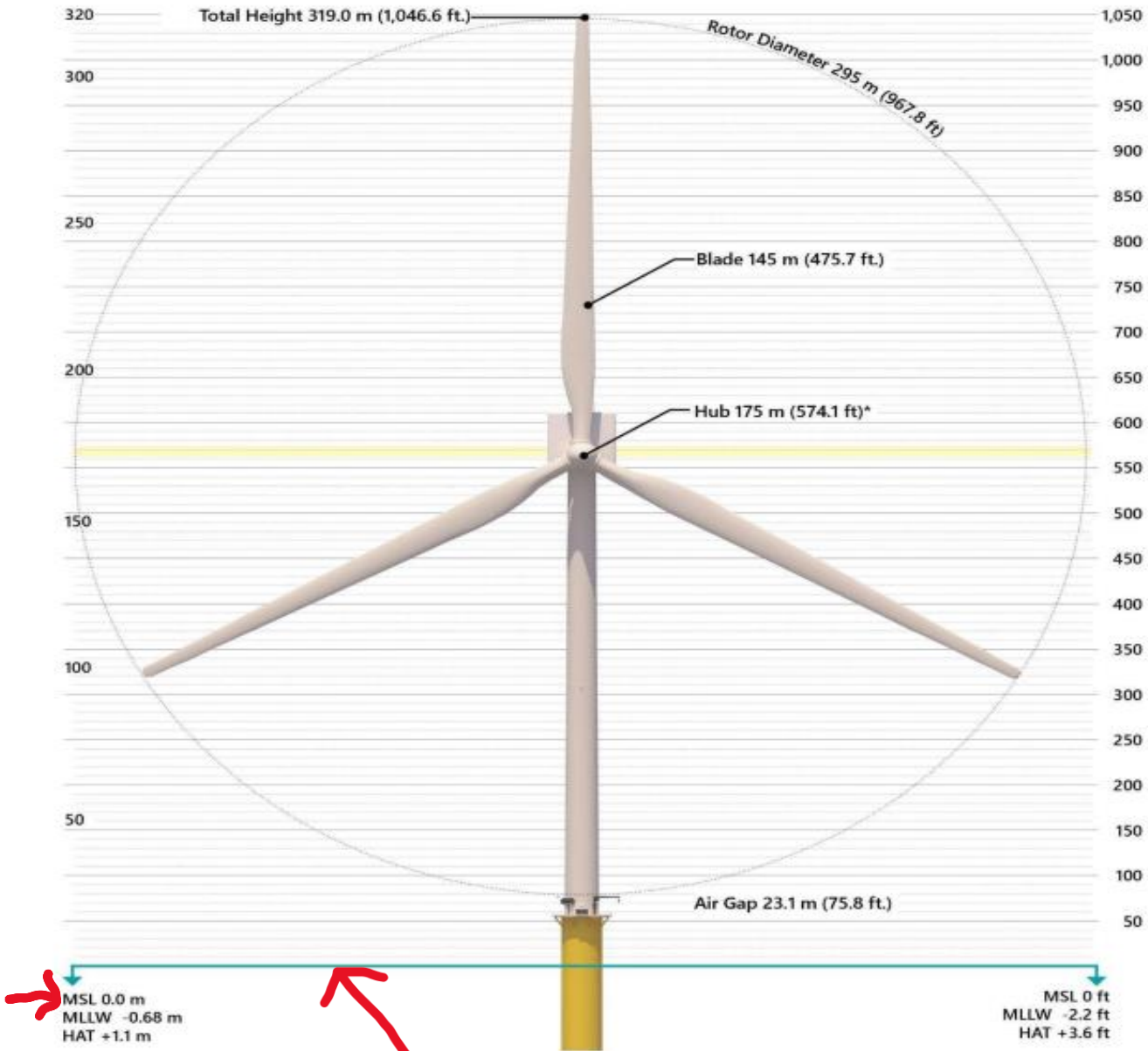


What are the dimensions of the 357 wind turbines used in Atlantic Shores Offshore Wind Projects starting 9 miles off our beaches? See diagram below:



ATLANTIC SHORES
offshore wind

Hub variable 171.5 m to 175.0 m

Notes:
Wind turbine hub illustrated at 171.5 m to meet the maximum blade tip height. If the hub reaches 175.0 m, the rotor diameter will be reduced. Yellow band illustrates this variable.

This figure depicts the maximum rotor diameter and maximum tip height relative to mean sea level (MSL). The full range of WTG dimensions within the PDE is available in the COP Volume I, Table 4.3-1 PDE of WTG Dimensions.

Figure 4.3-1
Wind Turbine Generator PDE

MSL is the Mean Sea Level. Anything above the blue line is above the water of the ocean. Tip of the blades are 1047 ft. above the sea level.

Table 4.3-1 PDE of WTG Dimensions

WTG Dimension		Input
Max. Rotor Diameter		918.6 ft (280.0 m)
Max. Tip Height		Relative to MLLW 1,048.8 ft (319.7 m) Relative to MSL 1,046.6 ft (319.0 m) Relative to HAT 1,043.0 ft (317.9 m)
Max. Top of Nacelle Height		Relative to MLLW 605.9 ft (184.7 m) Relative to MSL 603.7 ft (184.0 m) Relative to HAT 600.1 ft (182.9 m)
Max. Hub Height		Relative to MLLW 576.4 ft (175.7 m) Relative to MSL 574.2 ft (175.0 m) Relative to HAT 570.5 ft (173.9 m)
Min. Tip Clearance (air gap)		Relative to MLLW 78.0 ft (23.8 m) Relative to MSL 75.8 ft (23.1 m) Relative to HAT 72.2 ft (22.0 m)
Max. Nacelle Dimensions (length x width x height) (with hub and without helihoist)		105.0 ft × 52.5 ft × 49.2 ft (32.0 m × 16.0 m × 15.0 m)
Max. Nacelle Dimensions (length x width x height) (with hub and with helihoist)		121.4 ft × 52.5 ft × 49.2 ft (37.0 m × 16.0 m × 15.0 m)
Max. Blade Length		452.8 ft (138.0 m)
Max. Blade Chord		32.8 ft (10.0 m)
Max. Tower Diameter		Top 27.9 ft (8.5 m) Bottom 32.8 ft (10.0 m)

Notes: MLLW = Mean Lower Low Water; MSL = Mean **Sea Level**; HAT = Highest Astronomical Tide