

Principle

Axis direction

Orientation

Rotor

Application

Lift

Horizontal

Vertical

Upwind

Downwind

$\lambda = 1$
 $z = 32$

$\lambda = 2$
 $z = 4$

$\lambda = 7$
 $z = 3$

$\lambda = 9$
 $z = 2$

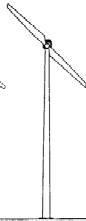
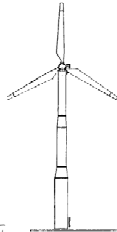
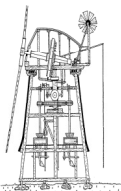
$\lambda = 12$
 $z = 1$

Drag

Vertical

Mill

$\lambda < 1$
 $z \geq 3$



Water
pumping

Mill

Electricity generation

Measuring
device