

HIGH PERFORMANCE WIND TURBINE

KW15

Kingspan Wind



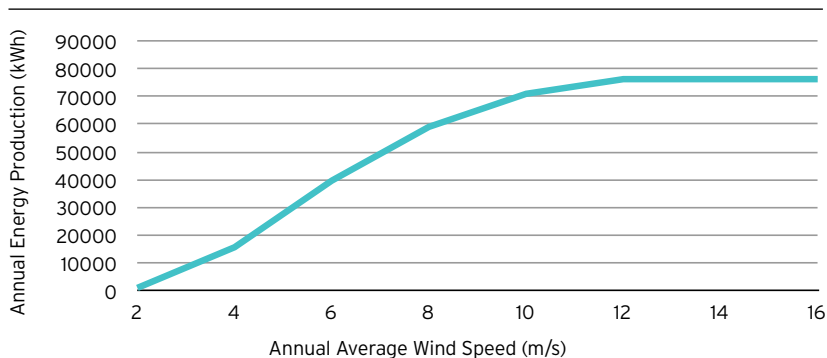

Kingspan
Environmental

KW15 HIGH PERFORMANCE WIND TURBINE

The KW15 has been designed and rigorously tested to ensure simple, affordable and responsible energy generation for land owners, farmers, developers and community projects all over the world.

With over 4500 Kingspan wind turbines installed in over 60 countries and on every continent, the latest addition to our product portfolio offers consumers unrivalled wind energy solutions.

KW15 AEP*



*Factored

KW15 PRODUCT SPECIFICATIONS

Peak Power	15.7 kWp
Voltages available	300V Grid Tied
Grid Connection Options	Single /Dual/ Three phase
Cut in wind speed	3.5 m/s
Cut out	None - continuous operation
Survival Wind Speed	Designed to Class 1 (70m/s)
Rotor	9.8m - 155rpm at rated power
Blade Material	Thermoset with Carbon Spar
Tower Heights	15m / 20m (Flange Bolted / Taper Fit Monopole - Hydraulic)
Foundation Type	Pad - Root

WHY CHOOSE KINGSPAN

Kingspan Wind is part of the Kingspan Environmental group, a global leader in distributed energy, water and environmental management for high performance buildings.

Our cutting edge technologies harvest natural resources, such as rainwater, solar and wind power, and reuse them at the point of consumption to provide cost-effective and sustainable solutions.

The advantages are significant. Whether it's in the domestic, agricultural, industrial, municipal or retail sectors, our innovations equip businesses and communities to lower their costs, reduce their carbon emissions and secure reliable, renewable energy and sustainable water sources.

We're harnessing nature to work for you and for a better environment.

KW15

FEATURES AND BENEFITS

HIGH ENERGY YIELD - KWH

The KW15 has been designed to perform in all wind speeds, offering owners a faster payback and greater return on investment compared to similarly rated wind turbines.

FULLY INTEGRATED CONTROL SYSTEM

Easy and cost-effective installation.

INTELLIGENT TURBINE CONTROL

The KW15 incorporates four levels of rotor speed control to ensure that the turbine operates responsibly in all wind conditions - the advanced inverter constantly monitors the voltage and RPM of the turbine. Dynamic loading allows the KW15 to maintain its most efficient RPM in any wind regime.

ELECTRO-MECHANICAL FAIL-SAFE BRAKING

Fail-safe electro-mechanical braking mechanism (monitored and controlled by the inverter).

MINIMAL VISUAL IMPACT

Grey RAL7035 adopted = now preferred with planners and EHO's when applying for the necessary planning consents.

ANTI OVER-SPEED CONTROL

No requirement to shut down in high winds. Designed to operate in any wind regime - high performance is maintained even in the fiercest storms. Our unique over-speed protection system, coupled with our delta rotor design ensures continuous energy generation.

GRID FRIENDLY

Available for single, dual and three phase connections.

WARRANTY

5 year parts & labour warranty.

STANDARDS

Designed to international standards IEC61400-2



KSGFI-15k
Grid Feed Inverter



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