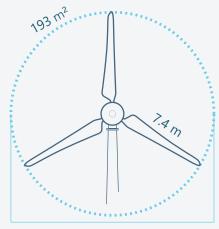




| GENERATOR | Туре | Permanent Magnet |
|----------------------|----------------------|--|
| | Maximum Power | 70 kW |
| | Rated Power | 60 kW |
| ROTOR | Configuration | Horizontal Axis |
| | No. of Blades | 3 |
| | Blade Material | Glass fibre |
| | Blade Length | 7.4 m |
| | Rotor Diameter | 15.8 m |
| | Swept Area | 193 m² |
| | Nominal Rotor Speed | 120 rpm |
| | Pitch/Yaw | Downwind passive pitch |
| WIND | Cut-In Speed | 2 m/s |
| | Rated Wind Speed | 11 m/s |
| | Cut-Out Speed | 30 m/s |
| | Survival Speed | 59.5 m/s |
| WEIGHTS | Nacelle/Rotor | 4,500 kg |
| TOWERS | Lattice | 18 – 36 m |
| | Monopole | 18 – 27 m |
| | Tilt-Up | 18 – 27 m |
| DESIGN PARAMETERS | Turbine Design Class | IEC 61400-2 Class II |
| | Temperature Range | -20° to 50°C |
| | Lifespan & Servicing | 20 years, subject to regular maintenance |

TECHNICAL PROFILE



15.8 m









SAFETY



- Base Level: Active blade pitch output and can put blades in a total stall position.
- Second induction brake.
- Third Level: Passive springs

DATA INPUT & **MANAGEMENT**



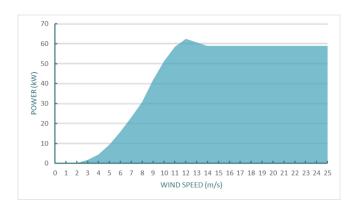
- Remote Control: Allows the remote customization of the wind turbine in order for Ryse provide optimum performance in every site.
- Storm Detection: Intelligent storm detection algorithm and automatic safety lock protect dangerous weather.
- LCD display in control box. Can output to local PC or be

CONSTRUCTION & MAINTENANCE



- Anti-Corrosive Blades: The blades and nacelle are treated with ероху paint and hermetically sealed. This gives corrosion and saline protection, making the turbine ideal for island, coastal or desert deployments.
- Ryse service contract available.

POWER CURVE*



ENERGY OUTPUT*

| Annual Mean Wind Speed (m/s) | Estimated Annual Output (kWh) |
|------------------------------|-------------------------------|
| 5.0 | 119,121 |
| 5.5 | 145,580 |
| 6.0 | 171,886 |
| 6.5 | 202,278 |
| 7.0 | 221,466 |
| 7.5 | 243,979 |
| 8.0 | 264,856 |

^{*} Indicative power curve and estimated energy output. Based on ongoing testing.