

MySE4.0MW Product Line

Turbine Model	Unit	MySE4.0-145/156	MySE5.0-166
General Data			
Rated power	kW	4000	5000
Designed wind zone class		S	S
Cut-in wind speed	m/s	2.5	2.5
Rated wind speed (NWP)	m/s	9.7	10.5
Cut-out wind speed	m/s	25	25
Designed lifetime	year	20	20
WTGS operating temperature	°C	-30 ~ +40	
WTGS survival temperature	°C	-40 ~ +50	
Adaptable environment		Normal and low temperature	
Rotor System			
Rotor diameter	m	145/156	166
Swept area	m ²	16505/19103	21447
Generator			
Type of generator		Permanent Magnet Synchronous Generator	
Rated voltage	V	690	690
Rated speed	rpm	252/231	198
Weight	ton	19.5	28.5
Dimensions	m	2610×2781×1878	2640×2216×2801
Cooling mode		Air cooling/water cooling	Air cooling/water cooling
Efficiency		0.98	0.98
Converter			
Converter type		Full Power Converter	
Power Factor Adjustment Range		-0.95~+0.95	-0.95~+0.95
Rated Frequency	Hz	50	50
Rated output power	kW	4100	5150
Rated output voltage	V	690	690
Efficiency		0.97	0.97

Gearbox			
Stage		2	2
Speed ratio		21.01	18.93
Weight	ton	31.5	44.3
Dimensions	m	2610×2610×3238	3423×2610×3238
Cooling mode		Oil cooling - air cooling	Oil cooling - air cooling
Efficiency		0.98	0.98
Control system			
Type		PLC	
Lightning protection			
Lightning Protection Design Standard		According to IEC61400/24-2002 and IEC62305-2006 standards, conform to GL2003 certification standard	
Grounding resistance	Ω	≤4	
Tower			
Type		Steel cones	
Hub Height	m	90/100	105
Type	m	Flexible tower	
Hub Height	m	130/140	/
Type	m	Steel-concrete tower	
Hub Height	m	130/140	/
Weight			
Blade	ton	145(19.7)/ 156(19.8)	20.1
Rotor	ton	145(106.1)/ 156(106.4)	108.8
Nacelle	ton	99	128.6
Dimensions			
Blade	m	Φ2848	Φ2848
Rotor	m	Φ145/156	Φ166
Rotor Hub	m	4.4×4.0×3.8	4.5×4.1×3.6
Nacelle	m	6.6×3.9×3.8	7.6×3.9×4.1