## GENERAL ELECTRIC GE 1.5sle – 1.5sl – 1.5se

echnical specification	S	1.5sle		1.5sl		1.5s		1.5se
Operating data								
<ul> <li>Rated capacity:</li> </ul>	1	,500 kW	1	,500 kW	1	,500 kW	1	,500 kW
<ul> <li>Cut-in wind speed:</li> </ul>	3.5 m/s		3.5 m/s		4 m/s		4 m/s	
<ul> <li>Cut-out wind speed</li> </ul>								
600 s average:		25 m/s		20 m/s	WZ II: WZ III, IEC II:			25 m/s
30 s average:	IEC s:	28 m/s	WZ II:	23 m/s		25 m/s	IEC I:	28 m/s
3 s average:	IEC s:	30 m/s	WZ II:	25 m/s	WZ III, IEC II:	27 m/s	IEC I:	30 m/s
<ul> <li>Cut-back-in wind speed</li> </ul>				100	The my new m	00 1103		
300 s average:	IEC s:	22 m/s	WZ II:	17 m/s	WZ II: WZ III, IEC II:	19 m/s 22 m/s	IEC I:	22 m/s,
Rated wind speed:		12 m/s		12 m/s		12 m/s		12 m/s
Rotor								
<ul> <li>Number of rotor blades:</li> </ul>		3	10	3		3		3
<ul> <li>Rotor diameter:</li> </ul>		77 m		77 m		70.5 m		70.5 m
<ul> <li>Swept area:</li> </ul>	4,657 m <sup>2</sup>		4,657 m <sup>2</sup>		3,904 m <sup>2</sup>		3,904 m <sup>2</sup>	
<ul> <li>Rotor speed (variable):</li> </ul>	10.1 - 20.4 rpm		10.1 - 20.4 rpm		11.1 - 22.2 rpm		11.1 <b>–</b> 22.2 rpm	
Tower								
• Hub heights (m):	61.4+/64.7+/80+/85+		61.4*/64.7*/80* 85*/100*		64.7*/**/80*/** 85*/**/100*		52.6*** / 54.7*** / 64.7***	
Power control:	Active blade pitc	h control	trol Active blade pitch control		Active blade pitch control		Active blade pitch control	
<ul> <li>cold weather extreme: -30° C -40° C to +50° C survival with</li> <li>Control system</li> <li>PLC (Programmable logic cont</li> </ul>	<ul> <li>PLC (Programmable logic controller)</li> </ul>		Braking system (fail-safe) <ul> <li>Electromechanical pitch control for each blade (3 self-contained systems)</li> <li>Hydraulic parking brake</li> </ul> Yaw system <ul> <li>Electromechanical driven with wind</li> </ul>			Sound reduced gearbox     Noise reduced nacelle     Rotor blades with minimised noise level		
Remote control and monitoring	g system		ction sensor and auton e unwind	natic	• Li	ghtning recep	ection system otors installed on blade n in electrical component	
<ul> <li>Three step planetary spur gear</li> </ul>	system		e-width modulated IG	BT			r WZ III / IEC II	9309571111
Generator     Doubly fed three-phase asynch	<ul> <li>Generator</li> <li>Doubly fed three-phase asynchronous generator</li> </ul>		frequency converter <b>Tower design</b> Multi-coated, conical tubular steel tower with safety ladder to the nacelle Load lifting system, load-bearing capacity over 200 kg Service platform for 100 m hub height (service lift optional)			*** for IEC 1 + for IEC s		
						Subject to technical alterations, errors and omissions.		