

LT1200-2 SELF-HOISTING CRANE

DATA SHEET



Replaces gearboxes, rotors, and other major components without using mobile cranes. The crane climbs from container to nacelle using its own lifting wire.

LT 1200-2

TECHNICAL DATA

WLL, 5.0 m reach	45,000 kg
WLL, 2.95 m reach	78,000 kg
Max. reach	7 m
Total weight of crane and container	25,000 kg
Crane that installs itself on top of the turbine	9,800 kg
Max. weight of turbine-specific parts (TIP)	8,000 kg
Max. hub height	170 m
Max. wind speed for installation	18 m/s
Max. wind speed for operation	18 m/s
Min. working temperature	-20°C
Max. working temperature	+50°C
Time per gearbox replacement	3-5 days



DESIGN

The LT1200-2 Liftra Self-Hoisting Crane is designed for use worldwide, including:

USA **EU** **Canada** **Latin America**

Verification for additional regions is ongoing.

TURBINE COMPATIBILITY

The LT1200-2 Self-Hoisting Crane fits the following turbines.* See the Compatibility Matrix for the scope of work per major component.

Acciona	AW3000
Gamesa	2 MW platform G8x G9x
General Electric	GE 1.5 GE 1.6 GE 1.68 GE 1.85 GE 1.6 GE 1.7 GE 1.79 GE 2.x MW
Mitsubishi	MWT-1000A
Nordex	2.5 MW platform N80 N90 N1x N117 Delta4000
Siemens	SWP 2.3 SWP 2.625
Suzlon	S88
Vestas	2 MW platform V80 V90 V100 V110 V82 NM72 NM82 V112 platform V105 V112 V117 V126 V136 V150

* Certain variations of above turbines may be incompatible

TRANSPORT

The LT1200-2 Liftra Self-Hoisting Crane is transported by a standard truck.

















































































































































































































The crane and the turbine interface package (TIP) are transported in:

Crane	40-foot container
TIP	20-foot container

LSHC COMPATIBILITY MATRIX

Major components that can be changed with a Liftra Self-Hoisting Crane.*



Wind Turbine	LT1000 (WLL 24 t)	LT1200 (78 t)
Acciona AW3000	  	    
Gamesa 2 MW Platform, G8x G9x	   	       
GE 1.5 - 70.5 77 82.5 87		
GE 1.6 - 77 82.5 87		
GE 1.68 - 82.5	     	      
GE 1.85 - 82.5 87		
GE 1.6 - 100 103		
GE 1.7 - 100 103	   	      
GE 1.79 - 100		
GE 2.x Platform - F1 F2-US	  	      
Mitsubishi MWT1000a	     	      
Nordex 2.5 MW Gamma	  	      
Nordex Delta4000		      
SGRE 2.3 MW	   	      
SGRE 2.625 MW G2-Mk4	  	      
SGRE 2.x	    	       
SGRE 3.x	 	     
SGRE 4.x	 	     
SGRE 5.x	 	     
SGRE D3 - MKL		    
SGRE D3 - MK1L		   
Suzlon S88	     	      
Vestas / NEG Micon V82 NM72 NM82	     	      
Vestas 2 MW platform V66 (1.75 MW) V80 V90 V100 V110 V116 V120	    	       
Vestas 3 MW platform V105 V112 V117 V126 V136 V150		     
MATRIX KEY  Currently possible  In development  Can be developed		 Gearbox  Main shaft  Rotor, all blades  Blade, horizontal**  Generator  Transformer  Hub, no blades  Blade, vertical

* Some of the above-listed wind turbine models might have variants that require modification - Please contact Liftra for clarification.

** Horizontal blade lift requires a tailing crane for blade tip lifting.