



Electric Cranes

The Sustainable Solution

Presented by



www.valla-cranes.co.uk

Why Valla?



FOUNDED IN 1945

Valla has developed a full range of mini cranes from 2t to 90t for all environments.

Today, our lifting solutions include electric battery, diesel and hybrid cranes, wheeled or tracked cranes, and cranes with fixed or swing booms. Valla Cranes can select from dozens of special applications designed to meet the specific needs of every customer across the globe.

Lifting

is in our **DNA**

We are inspired to design innovations to improve our clients lifting possibilities

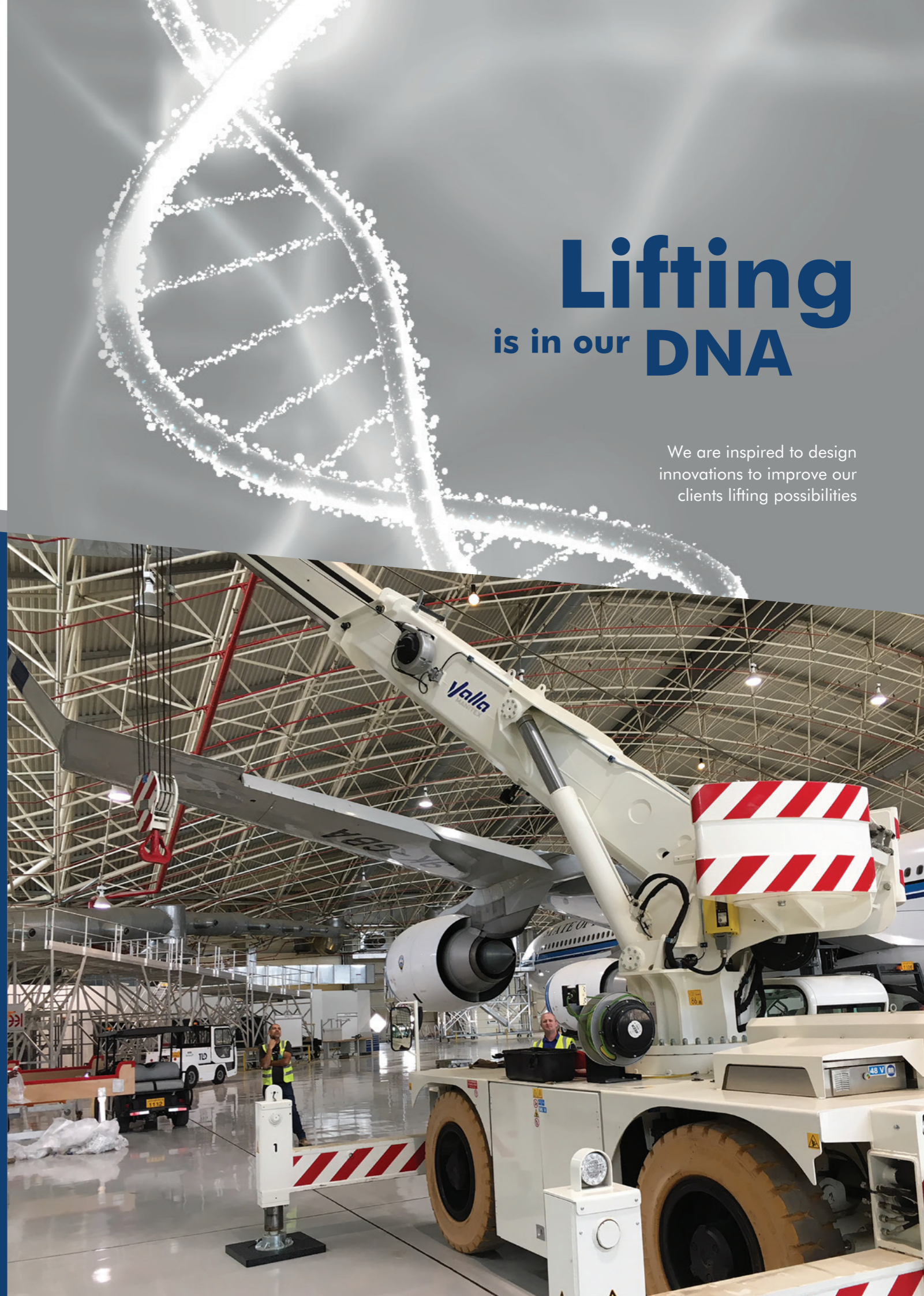


Industry Sectors

- Aviation
- Petrochemical
- Nuclear
- Defence
- Power plants
- Automotive
- Underground

Customers include

- Airbus
- Essar
- BAE Systems
- Qatar Airways
- Eramet
- ExxonMobil
- Petronas
- KLM
- Renault
- BP
- Shell
- Virgin Atlantic



Understanding the needs of the Aviation Industry



ENVIRONMENTALLY BETTER

Valla is at the forefront of a global shift towards electric power for crane lifting, delivering sustainability benefits to customers across the globe. We have been a world leader in the design and manufacture of electric battery pick and carry cranes for 20 years. Our cranes deliver zero-emission and low-noise lifting for clean and controlled environments. They will work for a full shift and beyond. Futureproof your lifting with Valla Cranes.



BE MORE PRODUCTIVE

Our pick and carry cranes can be operated in all environments. They are equipped with the best solutions for maintaining electrical and hydraulic equipment in harsh and hot conditions. Valla delivers an end-to-end single handling solution, with one crane capable of carrying out complex internal and external lifting tasks. Reducing worker exposure to the lifting zone, increasing safety and improving productivity.



PRECISION MATTERS

We combine the best battery technology and high-quality components, including AC drive motors and solid-state controllers so Valla cranes can work for longer with the highest level of precision. We also understand the aviation industry. The productivity and sustainability gains delivered by Valla helps to support maintenance regimes that minimise aircraft downtime and maximise safety.

“Working with Hird to develop the specification and deliver this crane for us represents a major step forward in lifting applications. It is a brilliant addition to our equipment portfolio.”

Andy Currey | Tooling and Ground Support Equipment Manager, Virgin Atlantic





Designed for Aviation Maintenance

Our cranes are fitted with all ICAO/CAA Airport Standard Equipment

- Statutory amber warning beacons
- Jib-head red flashing beacon
- Anti-static recoil drum
- Anti-Static strip
- Outrigger amber warning beacons
- External emergency stop

Power Options



100% BATTERIES



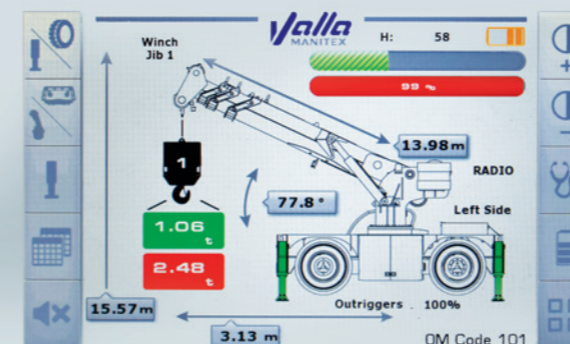
LPG



DIESEL EURO RATED ENGINES

Customise Your Crane

- ICAO/CAA compliance
- Reinforced lashing points for transport by air
- Jib-head anti-collision system
- ATEX ratings (engines only)
- Wireless remote control
- Gel batteries
- Non marking tyres
- Hydraulic fly jib
- Fixed wrap around fly jib
- Fork attachment
- Man basket attachment
- Cameras for all round vision
- Intrinsically safe cranes
- Air conditioning

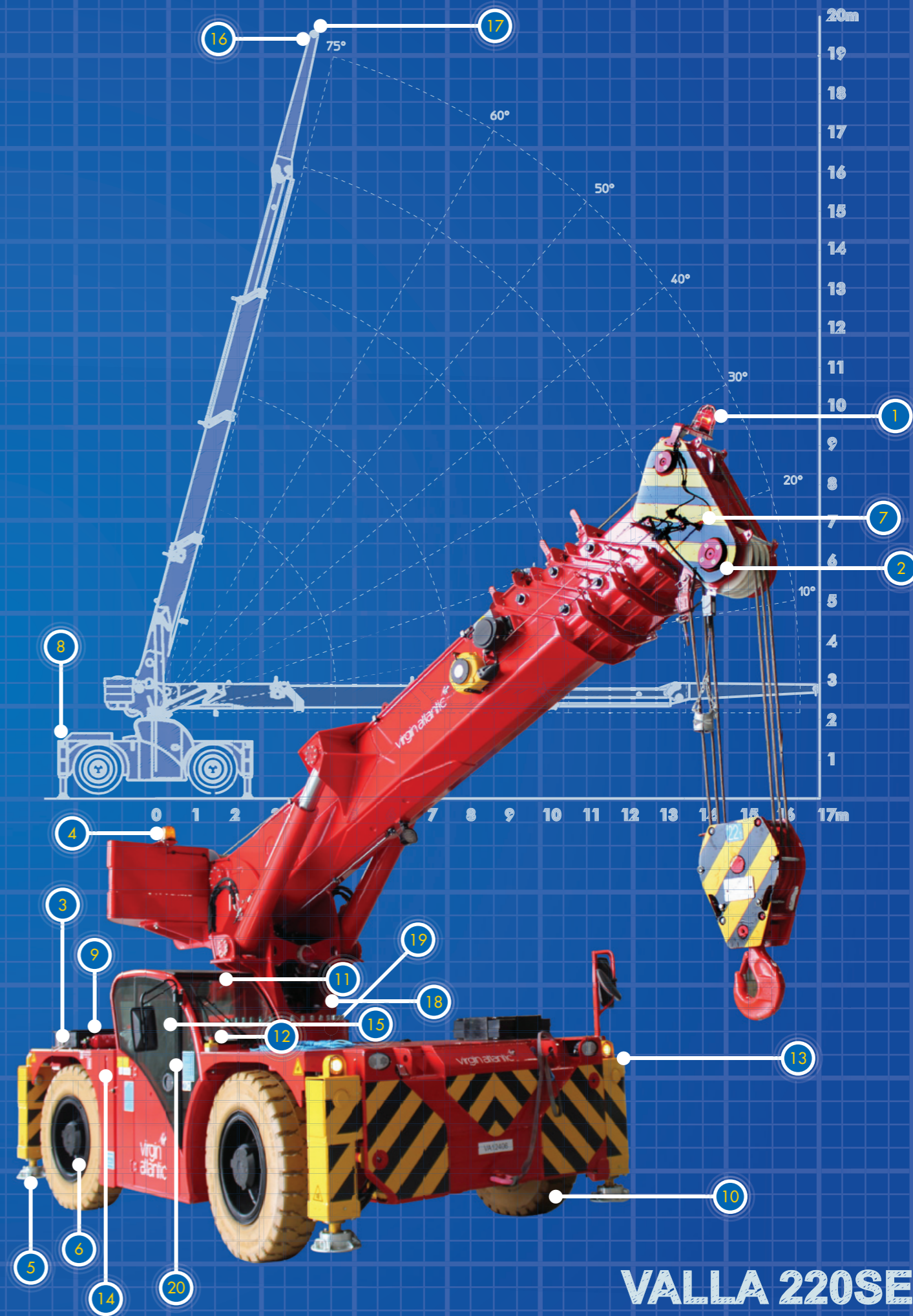


ANATOMY OF AN AVIATION MINI CRANE

Valla has designed its 220SE pick and carry crane to deliver every conceivable requirement of the 21st Century aviation maintenance team.

Safety is at the core of the concept. As is the ability to customise your mini crane to meet specific needs and operational criteria.

- | | |
|---|---|
| 1 Red flashing warning lamp as required by ICAO/CAA regulations | 9 Fire extinguisher |
| 2 Anti-two-block limit switch to prevent the hook block contacting the boom tip | 10 Non marking tires |
| 3 Enclosed electrics with cooling fan | 11 Enclosed cab |
| 4 Two amber beacons | 12 External emergency stop |
| 5 Four independent outriggers with 0° - 50° - 100° partialisation | 13 Outrigger warning lights |
| 6 Three steering options | 14 Battery cabinet |
| a. Crab steer | 15 Seat belt |
| b. All-wheel steer | 16 19.5m jib height |
| c. Single axle steer | 17 Wrap around fly jib |
| 7 Anti collision sensor | 18 360° slewing |
| 8 Cameras to give the operator 360° visibility | 19 Anti-static reel (behind slew) |
| | 20 Load moment indicator and global control safety system |



VALLA 220SE

Meet our family

Machines from Valla

22E

2,250KG



50E

5,000KG



V70R

7,000KG



20DTRX

2,000KG



90E

9,000KG



120E

12,000KG



90LPG TRX

9,000KG



120 + FLY JIB

12,000KG



180E

18,000KG



250E

25,000KG



180 + FLY JIB

18,000KG



160SD

16,000KG



400E

40,000KG



220SE

22,000KG



Valla

MANITEX



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