



**OUR VISION, YOUR SOLUTION**



**VTA 15 ELECTRIC TOW TRACTOR**

# Advantages and benefits

## High performance engines ✓

The VTA 15 benefits from the high power of the two traction motors and the pump motor, which are all asynchronous (no maintenance). Which give extremely high dynamic response in any situation.



## Display ✓

The programming for maintenance is implemented on the state of the art display located on the seats armrest.

## Tecna Gate Way TGW (optional) ✓

*Formula One* telemetry can be applied to the VTA 15. An online real-time control of all the machines systems can be accessed. (Hydraulic System, Engine, Inverter, Encoders etc..)

## Electric Parking ✓

Maximum safety is ensured with regenerative braking system. With command electro-hydraulic replacing the traditional hand brake.



## Brakes ✓

The VTA 15 braking system is built on oil-bathed which is totally encapsulated discs (without maintenance).

## Security ✓

Automatic load approximation system.

## Ergonomics ✓

The VTA 15 comes with a new range of seats with different levels of suspension, its integral armrest which is adjustable in height and depth with one single action, also with the tilt and telescopic column giving the driver maximum comfort.

## Traction Control system TCS ✓

Developed by Tecnacar, making driving safer and saving tyre ware.

## Comfort ✓

The overhead guard is supported by hydraulic shock absorbers so as to transmit the maximum comfort to the driver, eliminating vibrations and reducing noise level.

## Smart Drive TMS ✓

Developed by Tecnacar, this technology manages and controls the motors for optimum performance. This notably increases battery performance and autonomy.

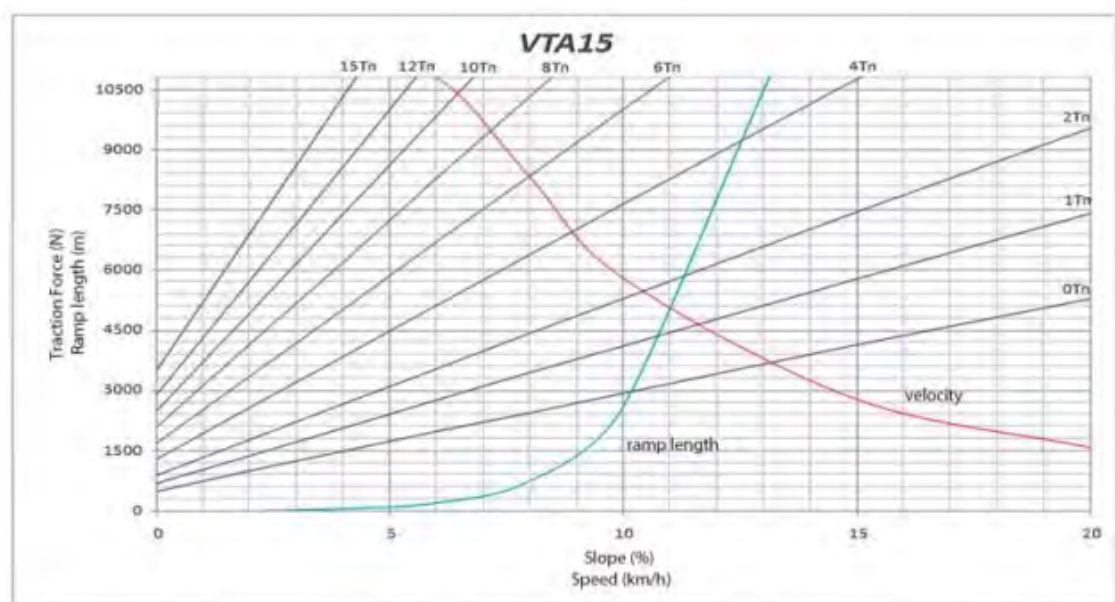


## Battery ✓

Our battery's are implemented in a lateal format for quick extraction.

## Automatic Collapsible System ✓

Developed by Tecnacar for an automatic speed reduction in corners.





# Technical Data

Characteristics	1.1	Manufacturer	~	Tecnacar	1.1
	1.2	Models	~	<b>VTA 15</b>	1.2
	1.3	Drive	~	Eléctric	1.3
	1.4	Operator position	~	Seated	1.4
	1.5	Load capacity/Rated load	Kg	15000	1.5
	1.7	Rated drawbar pull	N	3000 <sup>(1)</sup>	1.6
Weight	1.9	Wheelbase	y (mm)	1392	1.9
	2.1	Service weight	Kg	2675	2.1
	2.2	Axle loading, laden front/rear	Kg	.....	2.2
Wheels and Tires	2.3	Axle loading, unladen front/rear	Kg	1220/1455	2.3
	3.1	Tyres: SE=Superelastic, N=Pneumatic	~	SE	3.1
	3.2	Tyre size, front	~	18 x 7 - 8	3.2
	3.3	Tyre size, rear	~	21 x 8 - 9	3.3
	3.5	Wheels number front/rear (x=driven wheels)	~	2 / 2 x	3.5
	3.6	Tread, front	b <sub>10</sub> (mm)	1140	3.6
Dimensions	3.7	Tread, rear	b <sub>21</sub> (mm)	1115	3.7
	4.7	Height of overhead guard (cabin)	h6 (mm)	2074	4.7
	4.8	Seat height	h7 (mm)	1040	4.8
	4.12	Tow hook height	h10 (mm)	325/380	4.12
	4.13	Load height, unladen	h11 (mm)	920	4.13
	4.16	Length of loading surface	l3 (mm)	224	4.16
	4.17	Overhang	l5 (mm)	398	4.17
	4.18	Width of loading surface	b9 (mm)	1120	4.18
	4.19	Overall length	l1 (mm)	2233	4.19
	4.21	Overall width	b1 (mm)	1300	4.21
Performances	4.32	Ground clearance, centre of wheelbase	m2 (mm)	140	4.32
	4.35	Turning radius	Wa (mm)	2526	4.35
	4.36	Internal turning radius	b13 (mm)	1127	4.36
	5.1	Travel speed, laden / unladen	km/h	12 / 22	5.1
	5.5	Draward pull, laden / unladen	N	3000 <sup>(1)</sup>	5.2
	5.6	Max. Draward pull, laden / unladen	N	13000 <sup>(1)</sup>	5.3
Drive	5.7	Gradeability, laden / unladen	%	See Diagram	5.8
	5.8	Max. Gradeability, laden / unladen	%	See Diagram	5.9
	5.10	Service brake	~	Eléctric / Hidráulic	5.10
Other	6.1	Drive motor rating, 60 min.	KW	2 x 6.5	6.1
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no	KW	43531 B	6.3
	6.4	Battery voltage / nominal capacity (5h)	V / Ah	48 / 750	6.4
	6.5	Battery weight	kg	1011	6.5
Other	8.1	Type of drive control	<b>AC FLUX VECTOR CONTROL</b>		8.1
	8.4	Sound level at the driver's ear acc. to DIN 12 053	dB (A)	< 70	8.4
	8.5	Towing tow hook, type DIN	~	(2)	8.5

1) Based on level, dry surface with rolling resistance of 200N/t.

2) Refer to manufacturer



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