

TECNA

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Electric Tow Tractors VTA 100 Series

Indoor and outdoor electrical vehicles

Technical Data (according to VDI 2198)

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Characteristics	1.1	Manufacturer	-	TECNA			1.1
	1.2	Models	-	VTA-103	VTA-104	VTA-105	1.2
	1.3	Drive	-	Electric			1.3
	1.4	Operator position	-	Plataform			1.4
	1.5	Load capacity/Rated load	Kg	3000	4000	5000	1.5
	1.7	Rated drawbar pull	F N	600	800	1000	1.6
	1.9	Wheelbase	y (mm)	1121			1.9
Weight	2.1	Service weight	Kg	910	960	1010	2.1
	2.2	Axle loading, laden front/rear	Kg	550	581	611	2.2
	2.3	Axle loading, unladen front/rear	Kg	360	379	399	2.3
Wheels and Tires	3.1	Tyres: SE=Superelastic, N=Pneumatic	C / SE	Front: C / Rear: SE			3.1
	3.2	Tyre size, front	(mm)	Ø310/110		Ø 343 / 114	3.2
	3.3	Tyre size, rear	-	3,00-4			3.3
	3.5	Wheels number front/rear (x=driven wheels)	-	1x/2			3.5
	3.6	Tread, front	b ₁₀ (mm)	...			3.6
	3.7	Tread, read	b ₁₁ (mm)	595			3.7
	Dimensions	4.7	Total Height	h ₆ (mm)	1306		
4.8.1		Floor height	h ₇ (mm)	200			4.8.1
4.19		Overall length	l ₁ (mm)	1436			4.19
4.21		Overall width	b ₁ (mm)	800			4.21
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)	100			4.32
4.35		Turning radius	Wa (mm)	1460			4.35
4.36		Internal turning radius	b ₁₃ (mm)	342			4.36
Performances	5.1	Travel speed, laden / unladen	km/h	8/13			5.1
	5.5	Draward pull, laden / unladen	N	600	800	1000	5.2
	5.6	Max. Draward pull, laden / unladen	N	2200	3000	3800	5.6
	5.7	Gradeability, laden / unladen	%	See Diagram			5.7
	5.8	Max. Gradeability, laden / unladen	%	See Diagram			5.8
	5.10	Service brake	-	Electric/Electromagnetic			5.10
Drive	6.1	Drive motor rating, 60 min.	kW	2,5	3	6	6.1
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no	V / Ah	NO	NO	NO	6.3
	6.4	Battery voltage / nominal capacity (5h)	V / Ah	48/210 / 230 / 250	48/230 / 250	48/250	6.4
	6.5	Battery weight	Kg	345	395	445	6.5
Other	8.1	Type of drive control	-	AC FLUX VECTOR CONTROL			8.1
	8.4	Sound level at the driver's ear acc. to DIN 12 053	dB (A)	62			8.4
	8.5	Towing tow hook, type DIN	-				8.5

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

2) Refer to manufacturer

Valid data except typographic errors

