

TECNA CAR



VTA 305 / 306

VTA 307 / 308 / 309 / 310



Electric Tow Tractors VTA 300 Series

Indoor and outdoor electrical vehicles

Technical Data (according to VDI 2198)

Characteristics	1.1	Manufacturer	-	Tecnicar						1.1
	1.2	Models	-	VTA 305	VTA 306	VTA 307	VTA 308	VTA 309	VTA 310	1.2
Weight	1.3	Drive	-	Electric						1.3
	1.4	Operator position	-	Seated						1.4
Wheels and Tires	1.5	Load capacity/Rated load	Kg	5000	6000	7000	8000	9000	10000	1.5
	1.7	Rated drawbar pull	N	1000 ⁽¹⁾	1200 ⁽¹⁾	1400 ⁽¹⁾	1600 ⁽¹⁾	1800 ⁽¹⁾	2000 ⁽¹⁾	1.6
Dimensions	1.9	Wheelbase	y (mm)	1048	1048	1268	1268	1359	1359	1.9
	2.1	Service weight	Kg	1027	1046	1335	1436	1524	1600	2.1
Performances	2.2	Axle loading, laden front/rear	Kg							2.2
	2.3	Axle loading, unladen front/rear	Kg	495/532	495/551	629/706	677/759	719/805	754/845	2.3
Other	3.1	Tyres: SE=Superelastic, N=Pneumatic	-	SE	SE	SE	SE	SE	SE	3.1
	3.2	Tyre size, front	-	4.00 4	4.00 4	4.00 4	4.00 4	4.00 4	4.00 4	3.2
	3.3	Tyre size, rear	-	5.00-8	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	3.3
	3.5	Wheels number front/rear (x=driven wheels)	-	2 / 2 x	2 / 2 x	2 / 2 x	2 / 2 x	2 / 2 x	2 / 2 x	3.5
	3.6	Tread, front	b _g (mm)	146	146	146	146	146	146	3.6
	3.7	Tread, rear	b ₁ (mm)	808	808	808	808	808	808	3.7
	4.7	Height of overhead guard (cabin)	h ₆ (mm)			1970	1970	1970	1970	4.7
	4.8	Seat height	h ₇ (mm)	900	900	900	900	900	900	4.8
	4.12	Tow hook height	h ₁₀ (mm)	277/332	277/332	277/332	277/332	277/332	277/332	4.12
	4.13	Load height, unladen	h ₁₁ (mm)	694	694	694	694	694	694	4.13
	4.16	Length of loading surface	l ₃ (mm)	477	477	477	477	477	477	4.16
	4.17	Overhang	l ₅ (mm)	315	315	315	315	315	315	4.17
	4.18	Width of loading surface	b ₉ (mm)	870	870	870	870	870	870	4.18
	4.19	Overall length	l ₁ (mm)	1730	1730	1950	1950	2057	2057	4.19
	4.21	Overall width	b ₁ (mm)	970	970	970	970	970	970	4.21
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	100	100	100	100	100	100	4.32
	4.35	Turning radius	W _a (mm)	1624	1624	1844	1844	1951	1951	4.35
	4.36	Internal turning radius	b ₁₃ (mm)	485	485	705	705	812	812	4.36
Performances	5.1	Travel speed, laden / unladen	km/h	10 / 15	10 / 15	1400	10 / 18	10 / 18	10 / 18	5.1
	5.5	Draward pull, laden / unladen	N	1000 ⁽¹⁾	1200 ⁽¹⁾	1400 ⁽¹⁾	1600 ⁽¹⁾	1800 ⁽¹⁾	2000 ⁽¹⁾	5.2
	5.6	Max. Draward pull, laden / unladen	N	4000 ⁽¹⁾	5000 ⁽¹⁾	6500 ⁽¹⁾	7000 ⁽¹⁾	7693 ⁽¹⁾	8300 ⁽¹⁾	5.3
	5.7	Gradeability, laden / unladen	%	See Diagram						5.8
	5.8	Max. Gradeability, laden / unladen	%	See Diagram						5.9
	5.10	Service brake	-	Electric / Hydraulc						5.10
Drive	6.1	Drive motor rating, 60 min.	KW	1 x 6,5	1 x 6,5	2 x 4,3	2 x 4,3	2 x 4,3	2 x 4,3	6.1
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no	KW	43531 A	43531 A	43531 A	43531 A	43531 A	43531 A	6.3
	6.4	Battery voltage / nominal capacity (Wh)	V / Ah	48 / 270	48 / 270	48 / 300	48 / 400	48 / 450	48 / 525	6.4
	6.5	Battery weight	kg	504	504	531	632	720	795	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)	< 70	< 70	< 70	< 70	< 70	< 70	8.4
	8.5	Towing tow hook, type DIN	-	(2)	(2)	(2)	(2)	(2)	(2)	8.5