

TECNA

CAR

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VTA 307 / 308 / 309 / 310



VTA 305 / 306



Electric Tow Tractors
VTA 10/25 Series

Indoor and outdoor electrical vehicles

Technical Data (according to VDI 2198)

		Tecnacar								
Characteristics	1.1 Manufacturer	-							1.1	
	1.2 Models	-	VTA 305	VTA 306	VTA 307	VTA 308	VTA 309	VTA 310	1.2	
	1.3 Drive	-	Eléctric						1.3	
	1.4 Operator position	-	Seated						1.4	
	1.5 Load capacity/Rated load	Kg	5000	6000	7000	8000	9000	10000	1.5	
Weight	1.7 Rated drawbar pull	N	1000 ⁽¹⁾	1200 ⁽¹⁾	1400 ⁽¹⁾	1600 ⁽¹⁾	1800 ⁽¹⁾	2000 ⁽¹⁾	1.6	
	1.9 Wheelbase	y (mm)	1048	1048	1268	1268	1268	1268	1.9	
	2.1 Service weight	Kg	1027	1046	1335	1436	1524	1600	2.1	
	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	
	Wheels and Tires	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 ₁₀ (mm)	146	146	146	146	146	146	3.6
3.7 Tread, rear		b ₁₁ (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
Dimensions	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	1950	1950	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	Wa (mm)	1624	1624	1844	1844	1844	1844	4.35	
4.36 Internal turning radius	b ₁₃ (mm)	485	485	705	705	705	705	4.36		
Performances	5.1 Travel speed, laden / unladen	km/h	10 / 15	10 / 15	10 / 18	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	-	Eléctric / Hidráulic						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 (5h)	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	

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

2) Refer to manufacturer

Valid data except typographic errors

