

TECNA

CAR

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VTA 420 / 425 / 430 / 440



80V.

VTA 410 / 415



48V.

***Electric Tow Tractors
VTA 400 Series***

Indoor and outdoor electrical vehicles

Technical Data (according to VDI 2198)

		TECNACAR									
Characteristics	1.1	Manufacturer	-							1.1	
	1.2	Models	VTA 410	VTA 415	VTA 420	VTA 425	VTA 430	VTA 440	1.2		
	1.3	Drive	Electric							1.3	
	1.4	Operator position	Seated							1.4	
	1.5	Load capacity/Rated load	Kg	10000	15000	20000	25000	30000	40000	1.5	
Weight	1.7	Rated drawbar pull	N	2000 ⁽¹⁾	3000 ⁽¹⁾	4000 ⁽¹⁾	5000 ⁽¹⁾	6000 ⁽¹⁾	8000 ⁽¹⁾	1.6	
	1.9	Wheelbase	y (mm)	1392	1392	1625	1625	1625	1727	1.9	
	2.1	Service weight	Kg	2525	2675	2867	3155	3255	3750	2.1	
	2.2	Axle loading, laden front/rear	Kg	2.2	
	2.3	Axle loading, unladen front/rear	Kg	1150/1350	1220/1455	1295/1572	1425/1730	1425/1830	1680/2070	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	-	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	3.2	
	3.3	Tyre size, rear	-	21 x 8 - 9	21 x 8 - 9	23 x 9 - 10	23 x 9 - 10	23 x 9 - 10	28 x 9 - 15	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)	1140	1140	1140	1140	1140	1140	3.6	
Dimensions	3.7	Tread, rear	b ₁₁ (mm)	1115	1115	1115	1100	1100	1238	3.7	
	4.7	Height of overhead guard (cabin)	h ₆ (mm)	2074	2074	2074	2074	2074	2060	4.7	
	4.8	Seat height	h ₇ (mm)	1040	1040	1040	1040	1040	1087	4.8	
	4.12	Tow hook height	h ₁₀ (mm)	325/380	325/380	325/380	325/380	325/380	5/380/435/495	4.12	
	4.13	Load height, unladen	h ₁₁ (mm)	920	920	920	920	920	999	4.13	
	4.16	Length of loading surface	l ₃ (mm)	224	224	457	457	457	809	4.16	
	4.17	Overhang	l ₅ (mm)	398	398	398	398	398	478	4.17	
	4.18	Width of loading surface	b ₉ (mm)	1120	1120	1120	1120	1120	1188	4.18	
	4.19	Overall length	l ₁ (mm)	2233	2233	2466	2466	2491	2620	4.19	
	4.21	Overall width	b ₁ (mm)	1300	1300	1300	1300	1300	1450	4.21	
Performances	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	140	140	140	140	140	195	4.32	
	4.35	Turning radius	Wa (mm)	2526	2526	2824	2824	2824	2824	4.35	
	4.36	Internal turning radius	b ₁₃ (mm)	1127	1127	1314	1314	1314	1364	4.36	
	5.1	Travel speed, laden / unladen	km/h	12 / 20	12 / 22	12 / 25	12 / 25	10 / 18	8 / 16	5.1	
	5.5	Draward pull, laden / unladen	N	2000 ⁽¹⁾	3000 ⁽¹⁾	4000 ⁽¹⁾	5000 ⁽¹⁾	6000 ⁽¹⁾	8000 ⁽¹⁾	5.2	
Drive	5.6	Max. Draward pull, laden / unladen	N	10780 ⁽¹⁾	13000 ⁽¹⁾	13500 ⁽¹⁾	16600 ⁽¹⁾	16900 ⁽¹⁾	19400 ⁽¹⁾	5.3	
	5.7	Gradeability, laden / unladen	%	Cf graphique							5.8
	5.8	Max. Gradeability, laden / unladen	%	Cf graphique							5.9
	5.10	Service brake	-	Electric / Hidraulic							5.10
Other	6.1	Drive motor rating, 60 min.	KW	2 x 4,3	2 x 6,5	2 x 10	2 x 10	2 x 10	2 x 12,5	6.1	
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no	KW	43531 B	43531 B	43536 A	43536 A	43536 A	43536 A	6.3	
	6.4	Battery voltage / nominal capacity (5h)	V / Ah	48 / 630	48 / 750	80 / 450	80 / 625	80 / 625	80 / 625	6.4	
	6.5	Battery weight	kg	856	1011	1170	1458	1458	1458	6.5	
Other	8.1	Type of drive 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

