

# CTS 6-8 Series electronic forklift truck with tiller and projecting forks

## Technical data in line with VDI 2198

as at: 01/2012

		Icem				
		CTS 6/316	CTS 8/316			
Identification	1.1	Manufacturer (abbreviation)	Icem	Icem		
	1.2	Manufacturer's type designation	<b>CTS 6/316</b>	<b>CTS 8/316</b>		
	1.3	Drive	electric	electric		
	1.4	Type of operation	pedestrian	pedestrian		
	1.5	Load capacity/rated load	Q (t)	0.6	0.8	
	1.6	Load centre distance	c (mm)	500	500	
	1.8	Load distance, centre of drive axle to fork	x (mm)	115	115	
	1.9	Wheelbase	y (mm)	940	1160	
	Weights	2.1	Service weight incl. battery (see line 6.5)	kg	1400	1420
2.2		Axle loading, laden front/rear	kg	387/1613	396/1824	
2.3		Axle loading, unladen front/rear	kg	780/620	820/600	
wheels, Chassis	3.1	Tyres		PU	PU	
	3.2	Tyre size, front	mm	Ø 250	Ø 250	
	3.3	Tyre size, rear	mm	Ø 200	Ø 200	
	3.5	Wheels, number front/rear (x = driven wheels)		1x/2	1x/2	
	3.7	Track width, rear	b <sub>11</sub> (mm)	795	795	
	Basic dimensions	4.2	Closed mast height	h <sub>1</sub> (mm)	2080	2080
		4.3	Free lift	h <sub>2</sub> (mm)	80	80
4.4		Lift height	h <sub>3</sub> (mm)	3114	3114	
4.5		Height, mast extended	h <sub>4</sub> (mm)	3675	3675	
4.9		Height of tiller in drive position min./max.	h <sub>14</sub> (mm)	1010/1410	1010/1410	
4.15		Lowered height	h <sub>13</sub> (mm)	46	46	
4.19		Overall length	l <sub>1</sub> (mm)	2280	2500	
4.20		Length to face of forks	l <sub>2</sub> (mm)	1280	1500	
4.21		Overall width	b <sub>1</sub> (mm)	900	900	
4.22		Fork dimensions	s/e/l (mm)	35/100/1000	35/100/1000	
4.24		Fork-carriage width	b <sub>3</sub> (mm)	700	700	
4.31		Ground clearance, laden, below mast	m <sub>1</sub> (mm)	65	65	
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	65	65	
4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	2710 <sup>(1)</sup>	2925 <sup>(1)</sup>		
4.34	Aisle width for pallets 800x1200 crossways	Ast (mm)	2710 <sup>(2)</sup>	2925 <sup>(2)</sup>		
4.35	Turning radius	Wa (mm)	1195	1410		
Perform. data	5.1	Travel speed, laden/unladen	km/h	5.0/5.0	5.0/5.0	
	5.2	Lift speed, laden/unladen	m/s	0.13/0.21	0.12/0.21	
	5.3	Lowering speed, laden/unladen	m/s	0.30/0.28	0.30/0.28	
	5.8	Max. gradient performance, laden/unladen	%	10/15	10/15	
	5.10	Service brake		electronic	electronic	
Electric eng.	6.1	Drive motor rating S <sub>2</sub> 60min	kW	1	1	
	6.2	Lift motor rating at S <sub>3</sub> 10%	kW	2.5	2.5	
	6.4	Battery voltage, nominal capacity K <sub>5</sub>	V/Ah	24/240	24/240	
	6.5	Battery weight	kg	210	210	
	8.1	Type of drive control		AC	AC	
8.4	Sound level at driver's ear according to EN 12 053	dB (A)	70	70		

(1) diagonal to VDI: +92 mm

(2) diagonal to VDI: +60 mm

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