

CTS 12-25 Series electronic forklift truck with tiller and projecting forks

Technical data in line with VDI 2198

as at: 06/2016

Identification	1.1	Manufacturer (abbreviation)	Icem	Icem	Icem	Icem
	1.2	Manufacturer's type designation	CTS 12/316	CTS 15/316	CTS 20/312	CTS 25/312
	1.3	Drive	electric	electric	electric	electric
	1.4	Type of operation	pedestrian	pedestrian	pedestrian	pedestrian
	1.5	Load capacity/rated load Q (t)	1.2	1.5	2.0	2.5
	1.6	Load centre distance c (mm)	500	500	500	500
	1.8	Load distance, centre of drive axle to fork x (mm)	140	140	140	140
	1.9	Wheelbase y (mm)	1088	1230	1470	1650
Weights	2.1	Service weight incl. battery (see line 6.5) kg	1850	1970	2350	2510
	2.2	Axle loading, laden front/rear kg	485/2565	530/2940	470/3880	630/4380
	2.3	Axle loading, unladen front/rear kg	1190/660	1310/660	1340/1010	1600/910
Wheels, Chassis	3.1	Tyres	PU	PU	PU	PU
	3.2	Tyre size, front mm	ø 320	ø 320	ø 320	ø 320
	3.3	Tyre size, rear mm	ø 250	ø 250	ø 250	ø 250
	3.5	Wheels, number front/rear (x = driven wheels)	1x/2	1x/2	1x/2	1x/2
	3.7	Track width, rear b ₁₁ (mm)	815	815	815	815
Basic dimensions	4.2	Closed mast height h ₁ (mm)	2100	2100	2100	2100
	4.3	Free lift h ₂ (mm)	60	60	70	70
	4.4	Lift height h ₃ (mm)	3120	3120	3074	3074
	4.5	Height, mast extended h ₄ (mm)	3680	3680	3644	3644
	4.9	Height of tiller in drive position min./max. h ₁₄ (mm)	1055/1455	1055/1455	1055/1455	1055/1455
	4.15	Lowered height h ₁₃ (mm)	40	40	46	46
	4.19	Overall length l ₁ (mm)	2548	2690	2930	3110
	4.20	Length to face of forks l ₂ (mm)	1548	1690	1930	2110
	4.21	Overall width b ₁ (mm)	940	940	940	940
	4.22	Fork dimensions s/e/l (mm)	35x100x1000	35x100x1000	40x100x1000	40x100x1000
	4.24	Fork-carriage width b ₃ (mm)	700	700	700	700
	4.31	Ground clearance, laden, below mast m ₁ (mm)	70	70	80	80
	4.32	Ground clearance, centre of wheelbase m ₂ (mm)	80	80	80	80
	4.33	Aisle width for pallets 1000x1200 crossways Ast (mm)	2950 ⁽¹⁾	3092 ⁽¹⁾	3332 ⁽¹⁾	3512 ⁽¹⁾
	4.34	Aisle width for pallets 800x1200 crossways Ast (mm)	2950 ⁽²⁾	3092 ⁽¹⁾	3332 ⁽¹⁾	3512 ⁽¹⁾
	4.35	Turning radius Wa (mm)	1410	1552	1792	1972
Perform. data	5.1	Travel speed, laden/unladen km/h	5.0/5.0	5.0/5.0	5.0/5.0	5.0/5.0
	5.2	Lift speed, laden/unladen m/s	0.14/0.18	0.13/0.18	0.11/0.19	0.11/0.19
	5.3	Lowering speed, laden/unladen m/s	0.26/0.22	0.28/0.22	0.33/0.20	0.34/0.18
	5.8	Max. gradient performance, laden/unladen %	5/10	5/10	3/7	3/7
	5.10	Service brake	electronic	electronic	electronic	electronic
Electric eng.	6.1	Drive motor rating S ₂ 60min kW	1	1	2	2
	6.2	Lift motor rating at S ₃ 10% kW	3	3	3	4
	6.4	Battery voltage, nominal capacity K _s V/Ah	24/375	24/375	24/500	24/625
	6.5	Battery weight kg	290	290	390	440
	8.1	Type of drive control	AC	AC	AC	AC
	8.4	Sound level at driver's ear according to EN 12 053 dB (A)	70	70	70	70

(1) diagonal to VDI; +90 mm

(2) diagonal to VDI: +60 mm

