

CTS 20 R Series electronic forklift truck with tiller, projecting forks and reach mast

Technical data in line with VDI 2198

as at: 03/2016

			Icem	Icem
			CTS 20/302 R	CTS 20/451 R
Identification	1.1	Manufacturer (abbreviation)	Icem	Icem
	1.2	Manufacturer's type designation	CTS 20/302 R	CTS 20/451 R
	1.3	Drive	electric	electric
	1.4	Type of operation	Pedestrian/platform	pedestrian/platform
	1.5	Load capacity/rated load	Q (t)	2.0
	1.6	Load centre distance	c (mm)	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	553
		Mast pushed forward	x ₁ (mm)	147
	1.9	Wheelbase	y (mm)	1595
Weights	2.1	Service weight incl. battery (see line 6.5)	kg	2870
	2.4	Axle loading, laden front/rear mast advanced	kg	640/4230
	2.5	Axle loading, laden front/rear mast retracted	kg	1925/2945
Wheels, Chassis	3.1	Tyres	PU	PU
	3.2	Tyre size, front	mm	ø 320
	3.3	Tyre size, rear	mm	ø 250
	3.5	Wheels, number front/rear (x = driven wheels)		1x/2
	3.7	Track width, rear	b ₁₁ (mm)	1078
Basic dimensions	4.1	Tilt of fork carriage forward/backward	Ba/Bi (°)	1.5/4.5
	4.2	Closed mast height	h ₁ (mm)	2100
	4.3	Free lift	h ₂ (mm)	-
	4.4	Lift height	h ₃ (mm)	2975
	4.5	Height, mast extended	h ₄ (mm)	3587
	4.9	Height of tiller in drive position min./max.	h ₁₄ (mm)	1105/1455
	4.10	Height of wheel arms	h ₈ (mm)	280
	4.15	Lowered height	h ₁₃ (mm)	45
	4.19	Overall length	l ₁ (mm)	2352
	4.20	Length to face of forks	l ₂ (mm)	1352
	4.21	Overall width	b ₁ (mm)	1200/940
	4.22	Fork dimensions	s/e/l (mm)	40x100x1000
	4.24	Fork-carriage width	b ₃ (mm)	800
	4.25	Width over forks min/max	b ₅ (mm)	200/800
	4.26	Distance between wheel arms	b ₄ (mm)	870
	4.28	Reach distance	l ₄ (mm)	700
	4.31	Ground clearance, laden, below mast	m ₁ (mm)	60
4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	60	
4.33	Aisle width for pallets 1000x1200 crossways	A _{st} (mm)	2767 ⁽¹⁾	
4.34	Aisle width for pallets 800x1200 crossways	A _{st} (mm)	2767 ⁽²⁾	
4.35	Turning radius	Wa (mm)	1920	
4.37	Length across wheel arms	l ₇ (mm)	2030	
Perform. data	5.1	Travel speed, laden/unladen	km/h	5.0/5.0
	5.2	Lift speed, laden/unladen	m/s	0.11/0.18
	5.3	Lowering speed, laden/unladen	m/s	0.30/0.20
	5.4	Reaching speed, laden/unladen	m/s	0.1
	5.8	Max. gradient performance, laden/unladen	%	3/8
	5.10	Service brake		electronic
Electric eng.	6.1	Drive motor rating S ₂ 60min	kW	2
	6.2	Lift motor rating at S ₃ 10%	kW	4
	6.4	Battery voltage, nominal capacity K ₅	V/Ah	24/500
	6.5	Battery weight	kg	390
8.1	Type of drive control		AC	
8.4	Sound level at driver's ear according to EN 12 053	dB (A)	70	

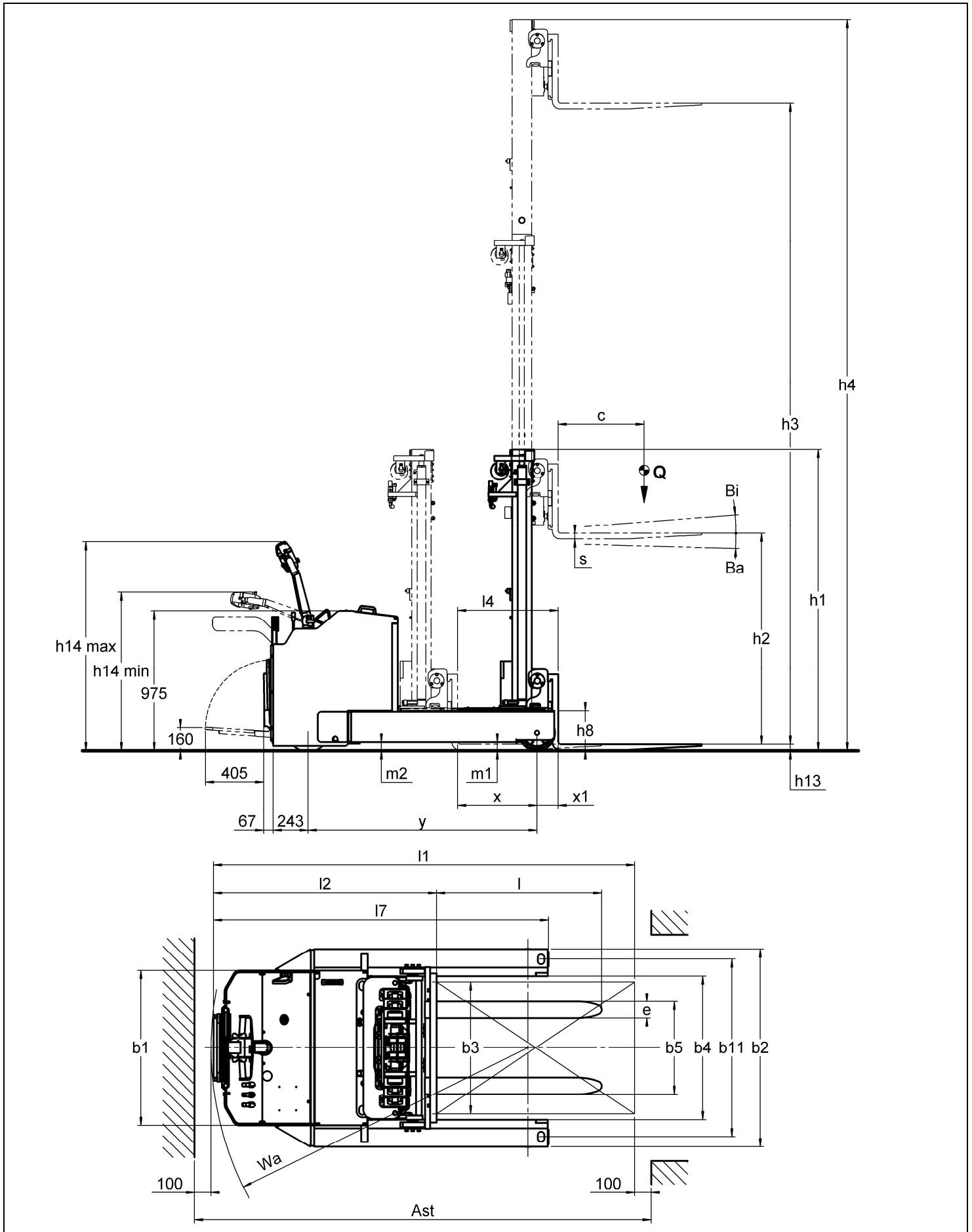
(1) diagonal to VDI: +171 mm

(2) diagonal to VDI: +114 mm

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This specification sheet according to VDI regulation 2198 only provides technical values for the standard truck. Non-standard tyres, different masts, additional equipments, etc., could produce other values. Right reserved for technical changes and improvements.