

CEM 10 Series vertical order picker

Technical data in line with VDI 2198

as at: 03/2012

Identification	1.1	Manufacturer (abbreviation)	Icem	Icem	Icem	Icem	Icem		
	1.2	Manufacturer's type designation	CEM 10/349	CEM 10/449	CEM 10/544	CEM 10/584	CEM 10/654		
	1.3	Drive	electric	electric	electric	electric	electric		
	1.4	Type of operation	order picker	order picker	order picker	order picker	order picker		
	1.5	Load capacity/rated load	Q (t)	1.0 ⁽¹⁾	1.0 ⁽¹⁾	1.0 ⁽¹⁾	1.0 ⁽¹⁾		
	1.6	Load centre distance	c (mm)	400	400	400	400		
	1.8	Load distance, centre of drive axle to fork	x (mm)	167	167	167	167		
	1.9	Wheelbase	y (mm)	1327	1327	1327	1327		
	Weights	2.1	Service weight incl. battery (see line 6.5)	kg	2320	2405	2459	2530	2870
2.2		Axle loading, laden front/rear	kg	833/2487	873/2532	918/2577	936/2594	1113/2757	
2.3		Axle loading, unladen front/rear	kg	1260/1060	1300/1105	1345/1150	1363/1167	1540/1330	
Wheels Chass.	3.1	Tyres	PU	PU	PU	PU	PU		
	3.2	Tyre size, front	mm	Ø 320	Ø 320	Ø 320	Ø 320	Ø 320	
	3.3	Tyre size, rear	mm	Ø 250	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	1x/2	
	3.7	Track width, rear	b ₁₁ (mm)	1030	1030	1030	1030	1150	
	Basic dimensions	4.2	Closed mast height	h ₁ (mm)	2315	2815	3290	3490	3840
		4.4	Lift height	h ₃ (mm)	3200	4200	5150	5550	6250
4.5		Height, mast extended	h ₄ (mm)	5470	6470	7420	7820	8520	
4.7		Cab height	h ₆ (mm)	2270	2270	2270	2270	2270	
4.8		Standing height	h ₇ (mm)	290	290	290	290	290	
4.10		Height of wheel arms	h ₈ (mm)	250	250	250	250	250	
4.11		Additional lift	h ₉ (mm)	840	840	840	840	840	
4.14		Standing height, elevated	h ₁₂ (mm)	3490	4490	5440	5840	6540	
4.15		Lowered height	h ₁₃ (mm)	70	70	70	70	70	
4.19		Overall length	l ₁ (mm)	2580	2580	2580	2580	2580	
4.20		Length to face of forks	l ₂ (mm)	1780	1780	1780	1780	1780	
4.21		Overall width	b ₁ (mm)	1150	1150	1150	1150	1300	
4.22		Fork dimensions	s/e/l (mm)	40/100/800	40/100/800	40/100/800	40/100/800	40/100/800	
4.25		Width over forks	b ₅ (mm)	560	560	560	560	560	
4.27		Width across guide rolls	b ₆ (mm)	1230 ⁽²⁾	1230 ⁽²⁾	1230 ⁽²⁾	1230 ⁽²⁾	1380 ⁽²⁾	
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)	70	70	70	70	70	
4.33		Aisle width for pallets 1200x1000 (b ₁₂ xl ₆)	Ast (mm)	1400	1400	1400	1400	1500	
4.34		Aisle width for pallets 800x1200 (b ₁₂ xl ₆)	Ast (mm)	1350	1350	1350	1350	1500	
4.51		Aisle width for pallets 1200x800 (b ₁₂ xl ₆)	Ast (mm)	1400	1400	1400	1400	1500	
4.52		Aisle width for pallets 1200x1000 (b ₁₂ xl ₆)	Ast ₃ (mm)	3002 ⁽³⁾	3002 ⁽³⁾	3002 ⁽³⁾	3002 ⁽³⁾	3002 ⁽³⁾	
4.53	Aisle width for pallets 800x1200 (b ₁₂ xl ₆)	Ast ₃ (mm)	3202 ⁽⁴⁾	3202 ⁽⁴⁾	3202 ⁽⁴⁾	3202 ⁽⁴⁾	3202 ⁽⁴⁾		
4.54	Aisle width for pallets 1200x800 (b ₁₂ xl ₆)	Ast ₃ (mm)	2802 ⁽⁵⁾	2802 ⁽⁵⁾	2802 ⁽⁵⁾	2802 ⁽⁵⁾	2802 ⁽⁵⁾		
4.35	Turning radius	Wa (mm)	1635	1635	1635	1635	1635		
4.55	Overall lift	h ₃ +h ₉ (mm)	4040	5040	5990	6390	7090		
4.56	Orderpicking height	h ₁₂ +1600 (mm)	5090	6090	7040	7440	8140		
Perf. data	5.1	Travel speed, laden/unladen	km/h	7.0/7.0	7.0/7.0	7.0/7.0	7.0/7.0	7.0/7.0	
	5.2	Lift speed, laden/unladen	m/s	0.18/0.22	0.18/0.22	0.18/0.22	0.18/0.22	0.18/0.22	
	5.3	Lowering speed, laden/unladen	m/s	0.28/0.23	0.28/0.23	0.28/0.23	0.28/0.23	0.28/0.23	
	5.10	Service brake		electronic	electronic	electronic	electronic	electronic	
Electric eng.	6.1	Drive motor rating S ₂ 60min	kW	2	2	2	2	2	
	6.2	Lift motor rating at S ₃ 10%	kW	5	5	5	5	5	
	6.4	Battery voltage, nominal capacity K ₅	V/Ah	24/625	24/625	24/625	24/625	24/625	
	6.5	Battery weight	kg	450	450	450	450	450	
	8.1	Type of drive control		AC	AC	AC	AC	AC	
8.4	Sound level at driver's ear according to EN 12 053	dB (A)	70	70	70	70	70		
	Steering		electric	electric	electric	electric	electric		

(1) data applies to c (mm) 500

(2) measures upon request

(3) diagonal to VDI: +145 mm

(4) diagonal to VDI: +57 mm

(5) diagonal to VDI: +171 mm

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