

TEC Series electronic pedestrian stacker with foldable platform and side support arms

Technical data in line with VDI 2198

as at: 05/2011

			Icem	Icem	Icem	
			TEC 14/320	TEC 16/320	TEC 20/316	
Identification	1.1	Manufacturer (abbreviation)	Icem	Icem	Icem	
	1.2	Manufacturer's type designation	TEC 14/320	TEC 16/320	TEC 20/316	
	1.3	Drive	electric	electric	electric	
	1.4	Type of operation	pedestrian/platform	pedestrian/platform	pedestrian/platform	
	1.5	Load capacity/rated load	Q (t)	1.4	1.6	2.0
	1.6	Load centre distance	c (mm)	600	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	693	693	693
	1.9	Wheelbase	y (mm)	1256	1256	1278
	Weights	2.1	Service weight incl. battery (see line 6.5)	kg	1250	1250
2.2		Axle loading, laden front/rear	kg	1044/1606	1058/1792	1146/2194
2.3		Axle loading, unladen front/rear	kg	940/310	940/310	1000/340
Wheels, Chassis	3.1	Tyres	PU	PU	PU	
	3.2	Tyre size, front	mm	ø 250	ø 250	ø 250
	3.3	Tyre size, rear	mm	ø 85	ø 85	ø 85
	3.4	Additional wheels (dimensions)	mm	ø 150	ø 150	ø 150
	3.5	Wheels, number front/rear (x = driven wheels)		1x+2/2	1x+2/2	1x+2/2
	3.6	Track width, front	b ₁₀ (mm)	740	740	740
	3.7	Track width, rear	b ₁₁ (mm)	414	414	419
Basic dimensions	4.2	Closed mast height	h ₁ (mm)	2100	2100	2100
	4.3	Free lift	h ₂ (mm)	-	-	-
	4.4	Lift height	h ₃ (mm)	3100	3110	3070
	4.5	Height, mast extended	h ₄ (mm)	3657	3657	3637
	4.9	Height of tiller in drive position min./max.	h ₁₄ (mm)	1083/1428	1083/1428	1083/1428
	4.15	Lowered height	h ₁₃ (mm)	90	90	90
	4.19	Overall length	l ₁ (mm)	1973	1973	1995
	4.20	Length to face of forks	l ₂ (mm)	823	823	845
	4.21	Overall width	b ₁ (mm)	870	870	870
	4.22	Fork dimensions	s/e/l (mm)	70/185/1150	70/185/1150	80/190/1150
	4.25	Width over forks	b ₅ (mm)	570	570	575
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	30	30	30
	4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	2257 ⁽¹⁾	2257 ⁽¹⁾	2277 ⁽¹⁾
	4.34	Aisle width for pallets 800x1200 crossways	Ast (mm)	2257 ⁽²⁾	2257 ⁽²⁾	2277 ⁽²⁾
	4.35	Turning radius	Wa (mm)	1550	1550	1570
Perform. data	5.1	Travel speed, laden/unladen	km/h	7.2/7.2	7.2/7.2	7.2/7.2
	5.2	Lift speed, laden/unladen	m/s	0.11/0.17	0.10/0.17	0.09/0.18
	5.3	Lowering speed, laden/unladen	m/s	0.30/0.20	0.30/0.20	0.25/0.18
	5.8	Max. gradient performance, laden/unladen	%	5/12	5/12	4/11
	5.10	Service brake		electronic	electronic	electronic
Electric eng.	6.1	Drive motor rating S ₂ 60min	kW	2	2	2
	6.2	Lift motor rating at S ₃ 10%	kW	2.5	2.5	3
	6.4	Battery voltage, nominal capacity K ₅	V/Ah	24/320	24/320	24/320
	6.5	Battery weight	kg	280	280	280
	8.1	Type of drive control		AC	AC	AC
	8.4	Sound level at driver's ear according to EN 12 053	dB (A)	70	70	70

(1) diagonal to VDI: +205 mm

(2) diagonal to VDI: +139 mm

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