

TP-T 16-20 Series electronic-walkie-pallet truck

Technical data in line with VDI 2198

as at: 04/2011

Identification	1.1	Manufacturer (abbreviation)	Icem	Icem	Icem	
	1.2	Manufacturer's type designation	TP 16 T	TP 20 T J	TP 20 T	
	1.3	Drive	electric	electric	electric	
	1.4	Type of operation	pedestrian	pedestrian	pedestrian	
	1.5	Load capacity/rated load	Q (t)	1.6	2.0	2.0
	1.6	Load centre distance	c (mm)	600	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	893	893	893
	1.9	Wheelbase	y (mm)	1266	1266	1341
	Weights	2.1	Service weight incl. battery (see line 6.5)	kg	560	560
2.2		Axle loading, laden front/rear	kg	798/1362	890/1670	915/1705
2.3		Axle loading, unladen front/rear	kg	428/132	428/132	478/142
Wheels, Chassis	3.1	Tyres	PU/rubber	PU/rubber	PU/rubber	
	3.2	Tyre size, front	mm	ø 250	ø 250	ø 250
	3.3	Tyre size, rear	mm	ø 70	ø 70	ø 70
	3.4	Additional wheels (dimensions)	mm	ø 100	ø 100	ø 100
	3.5	Wheels, number front/rear (x = driven wheels)		1x / 4	1x / 4	1x / 4
	3.6	Track width, front	b ₁₀ (mm)	620	620	620
	3.7	Track width, rear	b ₁₁ (mm)	370	370	370
Basic dimensions	4.4	Lift height	h ₃ (mm)	115	115	115
	4.9	Height of tiller in drive position min./max.	h ₁₄ (mm)	1010/1380	1010/1380	1010/1380
	4.15	Lowered height	h ₁₃ (mm)	88	88	88
	4.19	Overall length	l ₁ (mm)	1740	1740	1815
	4.20	Length to face of forks	l ₂ (mm)	590	590	665
	4.21	Overall width	b ₁ (mm)	770	770	770
	4.22	Fork dimensions	s/e/l (mm)	62x180x1150 ⁽¹⁾	62x180x1150 ⁽¹⁾	62x180x1150 ⁽¹⁾
	4.25	Width over forks	b ₅ (mm)	550 ⁽¹⁾	550 ⁽¹⁾	550 ⁽¹⁾
	4.32	Ground clearance, centre of wheelbase	M ₂ (mm)	26	26	26
	4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	1992	1992	2067
	4.34	Aisle width for pallets 800x1200 crossways	Ast (mm)	1992	1992	2067
	4.35	Turning radius	Wa (mm)	1485	1485	1560
Perform. data		Forks side shifting stroke	(mm)	40+40	40+40	40+40
	5.1	Travel speed, laden/unladen	km/h	6.0/6.0	6.0/6.0	6.0/6.0
		Travel speed, laden/unladen (on platform)	km/h	-	-	-
	5.2	Lift speed, laden/unladen	m/s	0.06/0.07	0.05/0.07	0.05/0.07
	5.3	Lowering speed, laden/unladen	m/s	0.09/0.06	0.10/0.06	0.10/0.06
	5.8	Max. gradient performance, laden/unladen	%	15/22	12/22	12/22
Electric eng.	5.10	Service brake		electronic	electronic	electronic
	6.1	Drive motor rating S ₂ 60min	kW	1	1	1
	6.2	Lift motor rating at S ₃ 10%	kW	2.2	2.2	2.2
	6.4	Battery voltage, nominal capacity K _s	V/Ah	24/160	24/160	24/240
	6.5	Battery weight	kg	150	150	210
	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) Other forks dimensions available upon request.

Options: - detachable forks extensions - fig.1

- foldable leaves to increase forks width from 550 to 690mm - fig.2

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Identification	1.1	Manufacturer (abbreviation)	Icem	Icem	Icem	
	1.2	Manufacturer's type designation	TP 16 T with platform	TP 20 T J with platform	TP 20 T with platform	
	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)	1.6	2.0	2.0
	1.6	Load centre distance	c (mm)	600	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	893	893	893
	1.9	Wheelbase	y (mm)	1266	1266	1341
	Weights	2.1	Service weight incl. battery (see line 6.5)	kg	630	630
2.2		Axle loading, laden front/rear	kg	875/1355	960/1670	985/1705
2.3		Axle loading, unladen front/rear	kg	498/132	498/132	548/142
Wheels, Chassis	3.1	Tyres	PU/rubber	PU/rubber	PU/rubber	
	3.2	Tyre size, front	mm	ø 250	ø 250	ø 250
	3.3	Tyre size, rear	mm	ø 70	ø 70	ø 70
	3.4	Additional wheels (dimensions)	mm	ø 100	ø 100	ø 100
	3.5	Wheels, number front/rear (x = driven wheels)		1x / 4	1x / 4	1x / 4
	3.6	Track width, front	b ₁₀ (mm)	620	620	620
	3.7	Track width, rear	b ₁₁ (mm)	370	370	370
Basic dimensions	4.4	Lift height	h ₃ (mm)	115	115	115
	4.9	Height of tiller in drive position min./max.	h ₁₄ (mm)	1010/1380	1010/1380	1010/1380
	4.15	Lowered height	h ₁₃ (mm)	88	88	88
	4.19	Overall length	l ₁ (mm)	1795	1795	1870
	4.20	Length to face of forks	l ₂ (mm)	645	645	720
	4.21	Overall width	b ₁ (mm)	790	790	790
	4.22	Fork dimensions	s/e/l (mm)	62x180x1150 ⁽¹⁾	62x180x1150 ⁽¹⁾	62x180x1150 ⁽¹⁾
	4.25	Width over forks	b ₅ (mm)	550 ⁽¹⁾	550 ⁽¹⁾	550 ⁽¹⁾
	4.32	Ground clearance, centre of wheelbase	M ₂ (mm)	26	26	26
	4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	2052	2052	2127
	4.34	Aisle width for pallets 800x1200 crossways	Ast (mm)	2052	2052	2127
4.35	Turning radius	Wa (mm)	1545	1545	1620	
Perform. data	5.1	Travel speed, laden/unladen	km/h	5.0/5.0	5.0/5.0	5.0/5.0
		Travel speed, laden/unladen (on platform)	km/h	7.0/7.0	7.0/7.0	8.0/8.0
	5.2	Lift speed, laden/unladen	m/s	0.06/0.07	0.05/0.07	0.05/0.07
	5.3	Lowering speed, laden/unladen	m/s	0.09/0.06	0.10/0.06	0.10/0.06
	5.8	Max. gradient performance, laden/unladen	%	15/22	12/22	12/22
	5.10	Service brake		electronic	electronic	electronic
Electric eng.	6.1	Drive motor rating S ₂ 60min	kW	1	1	2
	6.2	Lift motor rating at S ₃ 10%	kW	2.2	2.2	2.2
	6.4	Battery voltage, nominal capacity K _s	V/Ah	24/160	24/160	24/240
	6.5	Battery weight	kg	150	150	210
	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) Other forks dimensions available upon request.

Options: - detachable forks extensions - fig.1

- foldable leaves to increase forks width from 550 to 690mm - fig.2

