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FD15-35NT Series

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Key Specifications

			FD15NT	FD18NT	FD20CNT	FD20NT	FD25NT	FD30NT	FD35NT
Characteristics									
Manufacturer's model designation			FD15NT	FD18NT	FD20CNT	FD20NT	FD25NT	FD30NT	FD35NT
Power source: (battery, diesel, LP gas, petrol)			Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Operator type: pedestrian, (operator)-standing, -seated			Seated	Seated	Seated	Seated	Seated	Seated	Seated
Load capacity	Q	(kg)	1500	1750	2000	2000	2500	3000	3500
Load centre distance	c	(mm)	500	500	500	500	500	500	500
Load distance, axle to fork face (forks lowered)	x	(mm)	400	400	400	455	460	495	495
Wheelbase	y	(mm)	1400	1400	1400	1600	1600	1700	1700
Weight									
Truck weight, without load / including battery (simplex mast, lowest lift height)		kg	2530	2720	3030	3380	3680	4350	4740
Axle loading with maximum load, front/rear (simplex mast, lowest lift height)		kg	3520 / 510	3880 / 590	4330 / 700	4640 / 740	5430 / 750	6510 / 840	7220 / 1020
Axle loading without load, front/rear (simplex mast, lowest lift height)		kg	1060 / 1470	1000 / 1720	1020 / 2010	1450 / 1930	1430 / 2250	1750 / 2600	1670 / 3070
Wheels, Drive Train									
Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear			L / L	L / L	SE / SE	L / L	L / L	L / L	L / L
Tyre dimensions, front			6.50-10-10PR	6.50-10-10PR	6.50-10-10	7.00-12-12PR	7.00-12-12PR	28x9-15-12PR	250-15-12PR

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Tyre dimensions, rear			5.00-8-8PR	5.00-8-8PR	5.00-8-8	6.00-9-8PR	6.00-9-10PR	6.50-10-10PR	6.50-10-12PR
Number of wheels, front/rear (x=driven)			2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2
Track width (centre of tyres), front	b10	(mm)	890	890	890	960	960	1060	1060
Track width (centre of tyres), rear	b11	(mm)	900	900	900	980	980	980	980
Dimensions									
Mast tilt, forwards/backwards	a/b	°	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Tow coupling height	h10	(mm)	290	290	290	310	310	330	340
Overall length	l1	(mm)	3180	3220	3275	3405	3480	3805	3865
Height with mast lowered (see tables)	h1	(mm)	1990	1990	1990	1995	1995	2015	2130
Length to fork face (includes fork thickness)	l2	(mm)	2260	2300	2355	2485	2560	2735	2795
Overall width	b1/b2	(mm)	1065 / -	1065 / -	1065 / -	1150 / 1640	1150 / 1640	1275 / 1690	1290 / 1690
Fork dimensions (thickness, width, length)	s,e,l	(mm)	35 x 100 x 920	35 x 100 x 920	45 x 100 x 920	45 x 100 x 920	45 x 100 x 920	45 x 122 x 1070	45 x 122 x 1070
Fork carriage to DIN 15 173 A/B/no			2A	2A	2A	2A	2A	3A	3A
Fork carriage width	b3	(mm)	920	920	920	1000	1000	1000	1000
Free lift (see tables)	h2	(mm)	80	80	80	100	100	95	95
Ground clearance under mast, with load	m1	(mm)	110	110	110	115	115	135	150
Ground clearance at centre of wheelbase, with load (forks lowered)	m2	(mm)	150	150	150	160	160	190	200
Working aisle width with 1000 x1200 mm pallets, crosswise	Ast	(mm)	3550	3580	3635	3855	3885	4070	4130
Working aisle width with 800 x1200 mm pallets, crosswise	Ast	(mm)	3350	3380	3435	3655	3685	3870	3930
Turning circle radius	Wa	(mm)	1950	1980	2020	2200	2230	2380	2440
Minimum distance between centres of rotation	b13	(mm)	555	555	555	715	715	780	780
Lift height (see tables)	h3	(mm)	3000	3000	3000	3000	3000	3000	3000
Overall height with mast raised	h4	(mm)	4055	4055	4055	4055	4055	4055	4055
Height to top of overhead guard	h6	(mm)	2065	2065	2065	2074	2074	2093	2103
Seat height	h7	(mm)	929	929	929	938	938	988	988
Performance									
Travel speed, with/without load		km/h	19 / 19.5	19 / 19.5	19 / 19.5	19 / 19.5	19 / 19.5	19 / 19.5	19 / 19.5
Service brakes (mechanical/hydraulic/electric/pneumatic)			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Lifting speed, with/without load		m/s	0.63 / 0.69	0.63 / 0.69	0.63 / 0.69	0.63 / 0.66	0.63 / 0.66	0.50 / 0.53	0.42 / 0.45
Lowering speed, with/without load		m/s	0.52 / 0.50	0.52 / 0.50	0.52 / 0.50	0.50 / 0.50	0.52 / 0.50	0.53 / 0.50	0.42 / 0.40
Rated drawbar pull, with/without load		N	11900 / 11500	11700 / 11500	11400 / 11500	17200 / 16800	17000 / 16700	16600 / 16700	15800 / 15800
Gradeability, with/without load		%	31 / 52	27 / 47	24 / 41	34 / 58	29 / 52	24 / 42	20 / 36
IC Engine									
Manufacturer / Type			S4Q2	S4Q2	S4Q2	S4S	S4S	S4S	S4S
Rated output to ISO 1585		kW	30	30	30	38.1	38.1	38.1	38.1
Rated speed to DIN 70 020		rpm	2500	2500	2500	2250	2250	2250	2250
Number of cylinders / cubic capacity		/ cm^3	4 / 2505	4 / 2505	4 / 2505	4 / 3331	4 / 3331	4 / 3331	4 / 3331
Fuel consumption according to VDI 60 cycle		l/h / kg/h	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Miscellaneous									
Type of drive control			Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1
Maximum operating pressure for attachments		bar	180	180	180	180	180	180	180
Oil flow for attachments		l/min	62	62	62	75	75	73	73
Towing coupling design / DIN type, ref.			PIN	PIN	PIN	PIN	PIN	PIN	PIN

* Available on request

Continuing improvement may lead to changes in these specifications