

Specifications (Diesel)

		FD40NT		FD45NT		FD50CNT		FD50NT		FD55NT					
DIMENSIONS	1 Rated capacity	lb	kg	8,800	4,000	9,900	4,500	11,000	5,000	11,000	5,000	12,125	5,500		
	2 Load center	in	mm	20	500	20	500	20	500	24	600	24	600		
	3 Power			Diesel		Diesel		Diesel		Diesel		Diesel			
	4 Tire type V= solid, L=pneumatic - front / rear			L / L		L / L		L / L		L / L		L / L			
	5 Wheels			2x / 2		2x / 2		2x / 2		2x / 2		2x / 2			
	6 Maximum fork height (BOF)	in	mm	130	3,300	130	3,300	130	3,300	130	3,300	130	3,300		
	7 Free lift	in	mm	6	150	6	150	6	150	6	160	6	160		
	8 Forks – thickness x width x length	in	mm	2.0 x 5.9 x 48.0	50 x 150 x 1,220	2.0 x 5.9 x 48.0	50 x 150 x 1,220	2.0 x 5.9 x 48.0	50 x 150 x 1,220	2.4 x 5.9 x 48.0	60 x 150 x	2.4 x 5.9 x 48.0	60 x 150 x 1,220		
	9 Fork spacing – out-to-out minimum / maximum	in	mm	47	1,190	47	1,190	47	1,190	47	1,190	47	1,190		
	10 Tilt – forward / backward	deg			6 / 12		6 / 12		6 / 12		6 / 12		6 / 12		
PERFORMANCE	11 Load distance, axle to fork face	in	mm	23	577	23	577	23	582	24	602	24	602		
	12 Overall width	in	mm	55.7 / 77.4	1,415 / 1,965	57.5 / 77.4	1,460 / 1,965	57.5 / 77.4	1,460 / 1,965	57.5 / 77.4	1,460 / 1,965	57.5 / 77.4	1,460 / 1,965		
	13 Overall length	in	mm	166	4,220	171	4,350	173	4,390	178	4,530	180	4,580		
	14 Overall mast height (mast lowered)	in	mm	91	2,320	91	2,320	94	2,400	94	2,400	94	2,400		
	15 Seat effective height	in	mm	43	1,082	43	1,082	43	1,082	43	1,082	43	1,082		
	16 Height to top of overhead guard	in	mm	89	2,250	89	2,250	89	2,250	89	2,250	89	2,250		
	17 Overall height (mast extended with backrest)	in	mm	174	4,430	174	4,430	174	4,430	174	4,430	180	4,580		
	18 Minimum turning radius	in	mm	102	2,580	107	2,730	109	2,760	114	2,890	116	2,940		
	20 Working aisle width with 1,000 x 1,200 mm pallets, crosswise	in	mm	172	4,357	177	4,507	179	4,542	185	4,692	187	4,742		
	20a Working aisle width with 800 x 1,200 mm pallets, lengthwise	in	mm	164	4,157	170	4,307	171	4,342	177	4,492	179	4,542		
WEIGHT	21 travel speed – loaded /	mph	km/h	13.4/13.7	21.5 / 22.0	13.0 / 22.0	21.0 / 22.0	13.0 / 22.0	21.0 / 22.0	13.0 / 22.0	21.0 /	13.0 / 22.0	21.0 / 22.0		
	22 lift speed – loaded / empty	fpm	m/s	108.3/120.1	0.55 / 0.61	108.3/120.1	0.55 / 0.61	92.5 / 104.3	0.47 / 0.53	92.5 / 104.3	0.47 /	92.5 / 104.3	0.47 / 0.53		
	23 lowering speed – loaded /	fpm	m/s	98.4/98.4	0.5 / 0.5	98.4/98.4	0.5 / 0.5	98.4/98.4	0.5 / 0.5	98.4/98.4	0.5 / 0.5	98.4/98.4	0.5 / 0.5		
	26 Gradeability	1 mph (1.6 km) loaded / empty		%		29 / 26		26 / 27		24 / 26		23 / 27			
	27 Acceleration time (10 meters) loaded / empty			s		4.20 / 3.70		4.52 / 3.87		4.52 / 3.87		4.52 / 3.87			
	28 Total weight (unloaded –incl. battery (simplex))	lb	kg	13,050	5,920	13,955	6,330	15,100	6,850	16,095	7,300	16,845	7,640		
	29 Axle load	with rated load front / rear		lb	kg	19,750 / 2,115	8,960 / 960	21,400 / 2,490	9,710 / 1,130	23,369 / 2,756	10,600 / 1,250	24,295 / 2,820	11,020 / 1,280	25,880 / 3,085	11,740 / 1,400
	30	without load front / rear		lb	kg	5,800 / 7,250	2,630 / 3,290	6,130 / 7,825	2,780 / 3,550	6,393 / 8,708	2,900 / 3,950	7,098 / 8,995	3,220 / 4,080	6,989 / 9,855	3,170 / 4,470
	31 Tire size	front, single		in		8.25-15-14PR		300-15-18PR		300-15-18PR		300-15-18PR			
	33	rear		in		7.00-12-12PR		7.00-12-12PR		7.00-12-12PR		7.00-12-14PR			
CHASSIS	34 Wheelbase	in	mm	73	1,850	79	2,000	79	2,000	85	2,150	85	2,150		
	35 Tread	front, single		in	mm	46	1,175	46	1,175	46	1,175	46	1,175		
	37	rear		in	mm	46	1,180	46	1,180	46	1,180	46	1,180		
	38 Under clearance	at mast		in	mm	6	150	6	150	6	150	6	150		
	39	at center of wheelbase, loaded		in	mm	9	227	9	227	9	227	9	227		
	40 Brakes	service				Hydraulic		Hydraulic		Hydraulic		Hydraulic			
	41 Type of drive control					Powershift 2/1		Powershift 2/1		Powershift 2/1		Powershift 2/1			
	42	model				S6S		S6S		S6S		S6S			
	POWERTRAIN CHARACTERISTICS	43 Engine	rated output	HP	kW	77.1	57.5	77.1	57.5	77.1	57.5	77.1	57.5		
		45	maximum torque	lb-ft	N-m	–	–	–	–	–	–	–	–		
47		cylinder / displacement	cu	L	6	4,996	6	4,996	6	4,996	6	4,996			
51 Relief pressure for attachments				psi	bar	2,770	191	2,770	191	2,770	191	2,770	191		
52 Noise (CEN)				dB(A)		84		84		84		84			

Specifications (Gas / LP)

		FG40NT		FG45NT		FG50CNT		FG50NT		FG55NT			
CHARACTERISTICS	1 Rated capacity	lb	kg	8800	4,000	9900	4,500	11000	5,000	11000	5,000	12125	5,500
	2 Load center	in	mm	20	500	20	500	20	500	24	600	24	600
	3 Power			Gas / LPG		Gas / LPG		Gas / LPG		Gas / LPG		Gas / LPG	
	4 Tire type V= solid, L=pneumatic - front / rear			L / L		L / L		L / L		L / L		L / L	
	5 Wheels			2x / 2		2x / 2		2x / 2		2x / 2		2x / 2	
	6 Maximum fork height (BOF)	in	mm	130	3,300	130	3,300	130	3,300	130	3,300	130	3,300
	7 Free lift	in	mm	6	150	6	150	6	150	6	160	6	160
	8 Forks – thickness x width x length	in	mm	2.0 x 5.9 x 48.0	50 / 150 / 1,220	2.0 x 5.9 x 48.0	50 / 150 / 1,220	2.0 x 5.9 x 48.0	50 / 150 / 1,220	2.4 x 5.9 x 48.0	60 / 150 / 1,220	2.4 x 5.9 x 48.0	60 / 150 / 1,220
	9 Fork spacing – out-to-out minimum / maximum	in	mm	47	1,190	47	1,190	47	1,190	47	1,190	47	1,190
	10 Tilt – forward / backward			6 / 12		6 / 12		6 / 12		6 / 12		6 / 12	
DIMENSIONS	11 Load distance, axle to fork face	in	mm	118	3,000	123	3,130	125	3,170	130	3,310	132	3,360
	12 Overall width	in	mm	55.7 / 77.4	1,415 / 1,965	57.5 / 77.4	1,460 / 1,965	57.5 / 77.4	1,460 / 1,965	57.5 / 77.4	1,460 / 1,965	57.5 / 77.4	1,460 / 1,965
	13 Overall length	in	mm	166	4,220	171	4,350	173	4,390	178	4,530	180	4,580
	14 Overall mast height (mast lowered)	in	mm	91	2,320	91	2,320	94	2,400	94	2,400	94	2,400
	15 Seat effective height	in	mm	43	1,082	43	1,082	43	1,082	43	1,082	43	1,082
	16 Height to top of overhead guard	in	mm	89	2,250	89	2,250	89	2,250	89	2,250	89	2,250
	17 Overall height (mast extended with backrest)	in	mm	154	3,920	154	3,920	157	4,000	157	4,000	157	4,000
	18 Minimum turning radius	in	mm	102	2,580	107	2,730	109	2,760	114	2,890	116	2,940
	20 Working aisle width with 1,000 x 1,200 mm pallets, crosswise	in	mm	172	4,357	177	4,507	179	4,542	185	4,692	187	4,742
	20a Working aisle width with 800 x 1,200 mm pallets, lengthwise	in	mm	164	4,157	170	4,307	171	4,342	177	4,492	179	4,542
PERFORMANCE	21 travel speed – loaded /	mph	km/h	13.7 / 13.9	22.0 / 22.5	13.7 / 13.9	22.0 / 22.5	13.7 / 13.9	22.0 / 22.5	13.7 / 13.9	22.0 / 22.5	13.4 / 13.9	21.5 / 22.5
	22 lift speed – loaded / empty	fpm	m/s	112.2 / 118.1	0.57 / 0.60	112.2 / 118.1	0.57 / 0.60	96.5 / 102.4	0.49 / 0.52	96.5 / 102.4	0.49 / 0.52	96.5 / 102.4	0.49 / 0.52
	23 lowering speed – loaded / empty	fpm	m/s	98.4/98.4	0.50 / 0.50	98.4/98.4	0.50 / 0.50	98.4/98.4	0.50 / 0.50	98.4/98.4	0.50 / 0.50	98.4/98.4	0.50 / 0.50
	26 Gradeability 1 mph (1.6 km) loaded / empty			30 / 26		27 / 26		25 / 25		23/26		22 / 25	
	27 Acceleration time (10 meters) loaded / empty			- / -		- / -		- / -		- / -		- / -	
	28 Total weight (unloaded –incl. battery (simplex))	lb	kg	12,919	5,860	13,823	6,270	14,947	6,780	15,961	7,240	16,689	7,570
	29 Axle load with rated load front / rear	lb	kg	18,717 / 2,028	8,940 / 920	21,340 / 2,403	9,680 / 1,090	23,302 / 2,667	10,570 / 1,210	24,228 / 2,755	10,990 / 1,250	25,816 / 2,998	11,710 / 1,360
	30 without load front / rear	lb	kg	5,754 / 7,165	2,610 / 3,250	6,062 / 7,760	2,750 / 3,520	6,327 / 8,642	2,870 / 3,920	7,032 / 8,928	3,190 / 4,050	6,900 / 9,788	3,130 / 4,440
	31 Tire size front, single			8.25-15-14PR		300-15-18PR		300-15-18PR		300-15-18PR		300-15/8.00	
	33 rear			7.00-12-14PR		7.00-12-14PR		7.00-12-14PR		7.00-12-14PR		7.00-12/5.00	
CHASSIS	34 Wheelbase	in	mm	73	1,850	79	2,000	79	2,000	85	2,150	85	2,150
	35 Tread front, single	in	mm	46	1,175	46	1,175	46	1,175	46	1,175	46	1,175
	37 rear	in	mm	46	1,180	46	1,180	46	1,180	46	1,180	46	1,180
	38 Under clearance at mast	in	mm	6	150	6	150	6	150	6	150	6	150
	39 at center of wheelbase, loaded	in	mm	9	227	9	227	9	227	9	227	9	227
	40 Brakes service			Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic	
	41 Type of drive control			Powershift 2/1		Powershift 2/1		Powershift 2/1		Powershift 2/1		Powershift 2/1	
	42 model			GCT GK45		GCT GK45		GCT GK45		GCT GK45		GCT GK45	
	43 Engine rated output	HP	kW	96.6	72	96.6	72	96.6	72	96.6	72	96.6	72
	45 maximum torque	lb-ft	N-m	212 / 1,180	288 / 1,600	212 / 1,180	288 / 1,600	212 / 1,180	288 / 1,600	212 / 1,180	288 / 1,600	212 / 1,180	288 / 1,600
POWERTRAIN	47 cylinder / displacement	cu	L	6	4,452	6	4,452	6	4,452	6	4,452	6	4,452
	51 Relief pressure for attachments	psi	bar	2,770	191	2,770	191	2,770	191	2,770	191	2,770	191
	52 Noise (CEN)			84		84		84		84		84	