

Specifications (Diesel)

		FDM40NT		FDM45NT		FDM50CNT		FDM50NT		FDM55NT	
DIMENSIONS	1 Rated capacity	lb	kg	8,800	4,000	9,900	4,500	11,000	5,000	11,000	5,000
	2 Load center	in	mm	20	500	20	500	20	500	24	600
	3 Power			Diesel		Diesel		Diesel		Diesel	
	4 Tire type V= solid, L=pneumatic - front / rear			L / L		L / L		L / L		L / L	
	5 Wheels			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
	7 Free lift	in	mm	6	150	6	150	6	150	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 1,220
	9 Fork spacing – out-to-out minimum / maximum	in	mm	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	
WEIGHT	11 Load distance, axle to fork face	in	mm	23	577	23	577	23	582	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
	13 Overall length	in	mm	166	4,220	171	4,350	173	4,390	178	4,530
	14 Overall mast height (mast lowered)	in	mm	91	2,320	91	2,320	94	2,400	94	2,400
	15 Seat effective height	in	mm	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
	17 Overall height (mast extended with backrest)	in	mm	174	4,430	174	4,430	174	4,430	174	4,430
	18 Minimum turning radius	in	mm	102	2,580	107	2,730	109	2,760	114	2,890
	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
	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
PERFORMANCE CHARACTERISTICS	21 travel speed – loaded / lift speed – loaded / empty	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 / 22.0
	22 lowering 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 / 0.53
	23 Gradeability	%		29 / 26		26 / 27		24 / 26		23 / 27	
	26 Acceleration time (10 meters) loaded / empty	s		4.20 / 3.70		4.52 / 3.87		4.52 / 3.87		4.52 / 3.87	
	27 Total weight (unloaded –incl. battery (simplex)	lb	kg	13,050	5,920	13,955	6,330	15,100	6,850	16,095	7,300
	28 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
	29 without load front / rear	lb	kg	5,800 / 7,250	2,630 / 3,290	6,130 / 7,825	2,760 / 3,550	6,393 / 8,708	2,900 / 3,950	7,098 / 8,995	3,220 / 4,080
	30 Tire size front, single	in		8.25-15-14PR		300-15-16PR		300-15-16PR		300-15-16PR	
	31 rear	in		7.00-12-12PR		7.00-12-12PR		7.00-12-12PR		7.00-12-14PR	
	CHASSIS	34 Wheelbase front, single	in	mm	73	1,850	79	2,000	79	2,000	85
35 Tread rear		in	mm	46	1,175	46	1,175	46	1,175	46	1,175
37 Under clearance at mast		in	mm	46	1,180	46	1,180	46	1,180	46	1,180
38 at center of wheelbase, loaded		in	mm	6	150	6	150	6	150	6	150
39 Brakes service		in	mm	9	227	9	227	9	227	9	227
40 Type of drive control				Hydraulic		Hydraulic		Hydraulic		Hydraulic	
41 model				Powershift 2/1 S6S		Powershift 2/1 S6S		Powershift 2/1 S6S		Powershift 2/1 S6S	
42 Engine rated output		HP	kW	77.1	57.5	77.1	57.5	77.1	57.5	77.1	57.5
43 maximum torque		lb-ft	N-m	–	–	–	–	–	–	–	–
44 cylinder / displacement		cu	L	6	4,996	6	4,996	6	4,996	6	4,996
POWERTRAIN CHARACTERISTICS	51 Relief pressure for attachments	psi	bar	2,770	191	2,770	191	2,770	191	2,770	191
	52 Noise (CEN)			84		84		84		84	

Specifications (Gas / LP)

		FGM40NT		FGM45NT		FGM50CNT		FGM50NT		FGM55NT					
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	deg			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		
WEIGHT	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			
		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			
	22	Speeds	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		
				1 mph (1.6 km) loaded / empty	%	30 / 26		27 / 26		25 / 25		23/26		22 / 25	
	27	Acceleration time (10 meters) loaded / empty	s	- / -		- / -		- / -		- / -		- / -			
	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
			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	7,032 / 8,928	3,190 / 4,050	6,900 / 3,130	3,130 / 4,440
	31	Tire size	front, single	in	8.25-15-14PR		300-15-18PR		300-15-18PR		300-15-18PR		300-15-18.00		
			rear	in	7.00-12-14PR		7.00-12-14PR		7.00-12-14PR		7.00-12-14PR		7.00-12/5.00		
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	
		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	
		at center of wheelbase, loaded	in	mm	9	227	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		Powershift 2/1			
		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			
		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			
47	cylinder / displacement	cu	L	6	4,452	6	4,452	6	4,452	6	4,452	6	4,452		
		in	psi	bar	2,770	191	2,770	191	2,770	191	2,770	191			
51	Relief pressure for attachments			84		84		84		84		84			
52	Noise (CEN)			84		84		84		84		84			