

Specifications (Diesel)

		DP40NT		DP45NT		DP50CNT		DP50NT		DP55NT			
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			
	4 Tire type V= solid, L=pneumatic - front / rear	L / L				L / L				L / L			
	5 Wheels	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		
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	20	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	20	4,492	179	4,542	
PERFORMANCE	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 / 22.0	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 / 0.53	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	%	29 / 26		26 / 27		24 / 26		23 / 27		21 / 25		
	27 Acceleration time (10 meters) loaded / empty	s	4.20 / 3.70		4.52 / 3.87		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	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	6,969 / 9,855	3,170 / 4,470
	31 Tire size	in	8.25-15-14PR		300-15-18PR		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		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	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	in	mm	6	150	6	150	6	150	6	150	6	150
	39 at center of wheelbase, loaded service	in	mm	9	227	9	227	9	227	9	227	9	227
	40 Brakes	Hydraulic				Hydraulic				Hydraulic			
	41 Type of drive control	Powershift 2/1				Powershift 2/1				Powershift 2/1			
	42 model	S6S				S6S				S6S			
	43 Engine	HP	kW	77.1	57.5	77.1	57.5	77.1	57.5	77.1	57.5	77.1	57.5
	45 rated output	lb-ft	N-m	–	–	–	–	–	–	–	–	–	–
47 maximum torque	cu	L	6	4,996	6	4,996	6	4,996	6	4,996	6	4,996	
47 cylinder / displacement	psi	bar	2,770	191	2,770	191	2,770	191	2,770	191	2,770	191	
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)	dB(A)	84		84		84		84		84			

Specifications (Gas / LP)

		GP40NT		GP45NT		GP50CNT		GP50NT		GP55NT					
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			
DIMENSIONS	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			
	11 Load distance, axle to fork face	in	mm	118	3,000	123	3,130	125	3,170	111	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	12	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	13	178	4,530	180	4,580	
	14 Overall mast height (mast lowered)	in	mm	91	2,320	91	2,320	94	2,400	14	94	2,400	94	2,400	
	15 Seat effective height	in	mm	43	1,082	43	1,082	43	1,082	15	43	1,082	43	1,082	
PERFORMANCE	16 Height to top of overhead guard	in	mm	89	2,250	89	2,250	89	2,250	16	89	2,250	89	2,250	
	17 Overall height (mast extended with backrest)	in	mm	154	3,920	154	3,920	157	4,000	17	157	4,000	157	4,000	
	18 Minimum turning radius	in	mm	102	2,580	107	2,730	109	2,760	18	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	20	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	20	177	4,492	179	4,542	
	21 travel speed – loaded / lift speed – loaded / empty	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	21	13.7 / 13.9	22.0 / 22.5	13.4 / 13.9	21.5 / 22.5	
	22 Speeds	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	22	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	23	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	s		- / -		- / -		- / -		- / -		- / -		- / -	
WEIGHT	28 Total weight (unloaded –incl. battery (simplex))	lb	kg	12,919	5,860	13,823	6,270	14,947	6,780	28	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	29	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	30	7,032 / 8,928	3,190 / 4,050	6,900 / 3,130	4,440	
	31 Tire size front, single	in		8.25-15-14PR		300-15-18PR		300-15-18PR		31		300-15-18PR		300-15/8.00	
	33 rear	in		7.00-12-14PR		7.00-12-14PR		7.00-12-14PR		33		7.00-12-14PR		7.00-12/5.00	
	34 Wheelbase	in	mm	73	1,850	79	2,000	79	2,000	34	85	2,150	85	2,150	
	35 Tread front, single	in	mm	46	1,175	46	1,175	46	1,175	35	46	1,175	46	1,175	
	37 rear	in	mm	46	1,180	46	1,180	46	1,180	37	46	1,180	46	1,180	
	38 Under clearance at mast	in	mm	6	150	6	150	6	150	38	6	150	6	150	
	39 at center of wheelbase, loaded	in	mm	9	227	9	227	9	227	39	9	227	9	227	
POWERTRAIN	40 Brakes service			Hydraulic		Hydraulic		Hydraulic		40		Hydraulic			
	41 Type of drive control			Powershift 2/1		Powershift 2/1		Powershift 2/1		41		Powershift 2/1			
	42 model			GCT GK45		GCT GK45		GCT GK45		42		GCT GK45			
	43 Engine rated output	HP	kW	96.6	72	96.6	72	96.6	72	43	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	45	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	47	6	4,452	6	4,452	
	51 Relief pressure for attachments	psi	bar	2,770	191	2,770	191	2,770	191	51	2,770	191	2,770	191	
	52 Noise (CEN)	dB(A)		84		84		84		52		84		84	