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		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	
	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
PERFORMANCE	21	Speeds – 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	Speeds – 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	Speeds – 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		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	
WEIGHT	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	Axle load 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
CHASSIS	31	Tire size front, single	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	
	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	
POWERTRAIN CHARACTERISTICS	42	Engine model			S6S		S6S		S6S		S6S		S6S	
	43	Engine rated output	HP	kW	77.1	57.5	77.1	57.5	77.1	57.5	77.1	57.5	77.1	57.5
	45	Engine maximum torque	lb-ft	N-m	–	–	–	–	–	–	–	–	–	–
	47	Engine cylinder / displacement	cu	L	6	4,996	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	2,770	191
	52	Noise (CEN)	dB(A)		84		84		84		84		84	