

D40S-9, D45SC-9

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities							
					D40S-9, D45SC-9							
					Tilt Angle				Load Capacities			
					Single Pneumatics		Double Pneumatics		Single Pneumatics		Double Pneumatics	
					FWD	BWD	FWD	BWD	LC 500mm	LC 600mm	LC 500mm	LC 600mm
mm	mm	mm	mm	deg	deg	deg	deg	kg	kg	kg	kg	
STD	3,000	2,235	4,260	155	8	10	8	10	4,500	4,115	4,500	4,115
	3,300	2,385	4,560	155	8	10	8	10	4,500	4,115	4,500	4,115
	3,650	2,560	4,910	155	8	10	8	10	4,500	4,115	4,500	4,115
	4,000	2,885	5,260	155	8	10	8	10	4,500	4,115	4,500	4,115
	4,250	3,010	5,510	155	8	10	8	10	4,500	4,115	4,500	4,115
	4,850	3,460	6,110	155	8	8	8	8	4,000	3,655	4,400	4,115
	5,250	3,660	6,510	155	8	5	8	8	3,700	3,380	4,250	3,885
FF	3,000	2,215	4,235	1,015	8	10	8	10	4,500	4,115	4,500	4,115
FFT	4,000	2,095	5,260	895	8	8	8	8	4,500	4,115	4,500	4,115
	4,250	2,185	5,525	985	8	8	8	8	4,500	4,115	4,500	4,115
	4,500	2,270	5,780	1,070	8	8	8	8	4,500	4,115	4,500	4,115
	4,700	2,335	5,975	1,135	8	5	8	8	4,500	4,115	4,500	4,115
	5,150	2,485	6,425	1,285	8	5	8	8	4,200	3,845	4,300	3,935
	5,600	2,635	6,875	1,435	8	3	8	5	3,700	3,385	4,150	3,795
	6,050	2,785	7,325	1,585	8	3	8	3	2,900	2,655	4,000	3,660
	6,500	2,935	7,775	1,735	8	3	8	3	2,250	2,060	3,850	3,525
	7,000	3,115	8,275	1,915	8	3	8	3	1,650	1,510	3,700	3,385

D50C-9, D55SC-9

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities							
					D50C-9, D55SC-9							
					Tilt Angle				Load Capacities			
					Single Pneumatics		Double Pneumatics		Single Pneumatics		Double Pneumatics	
					FWD	BWD	FWD	BWD	LC 500mm	LC 600mm	LC 500mm	LC 600mm
mm	mm	mm	mm	deg	deg	deg	deg	kg	kg	kg	kg	
STD	2,750	2,220	4,160	165	8	10	8	10	5,500	5,030	5,500	5,030
	3,050	2,370	4,460	165	8	10	8	10	5,500	5,030	5,500	5,030
	3,400	2,545	4,810	165	8	10	8	10	5,500	5,030	5,500	5,030
	3,750	2,870	5,160	165	8	10	8	10	5,500	5,030	5,500	5,030
	4,000	2,995	5,410	165	8	10	8	10	5,350	4,895	5,500	5,030
	4,600	3,445	6,010	165	8	10	8	10	5,050	4,620	5,200	4,755
	5,000	3,645	6,410	165	8	5	8	10	4,400	4,025	5,000	4,575
	5,500	3,895	6,910	165	8	5	8	8	3,250	2,975	4,800	4,390
	5,800	4,045	7,210	165	8	5	8	8	2,650	2,425	4,700	4,300
	FF	2,875	2,200	4,260	860	8	10	8	10	5,500	5,030	5,500
FFT	3,575	1,985	4,990	645	8	8	8	8	5,500	5,030	5,500	5,035
	3,875	2,080	5,285	740	8	8	8	8	5,500	5,035	5,500	5,035
	4,125	2,170	5,550	830	8	8	8	8	5,500	5,035	5,500	5,035
	4,575	2,320	6,000	980	8	5	8	5	5,500	5,035	5,450	5,035
	5,025	2,470	6,450	1,130	8	5	8	5	4,900	4,485	5,250	4,805
	5,325	2,570	6,750	1,230	8	3	8	5	4,550	4,165	5,100	4,670
	5,475	2,620	6,900	1,280	8	3	8	5	4,300	3,940	5,000	4,580
	5,925	2,770	7,350	1,430	8	3	8	5	3,500	3,205	4,900	4,485

D45S-9, D50SC-9

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities							
					D45S-9, D50SC-9							
					Tilt Angle				Load Capacities			
					Single Pneumatics		Double Pneumatics		Single Pneumatics		Double Pneumatics	
					FWD	BWD	FWD	BWD	LC 500mm	LC 600mm	LC 500mm	LC 600mm
mm	mm	mm	mm	deg	deg	deg	deg	kg	kg	kg	kg	
STD	3,000	2,220	4,410	155	8	10	8	10	5,000	4,570	5,000	4,570
	3,300	2,370	4,710	155	8	10	8	10	5,000	4,570	5,000	4,570
	3,450	2,445	4,860	155	8	10	8	10	5,000	4,570	5,000	4,570
	3,650	2,545	5,060	155	8	10	8	10	5,000	4,570	5,000	4,570
	4,000	2,870	5,410	155	8	10	8	10	4,950	4,525	5,000	4,570
	4,250	2,995	5,660	155	8	10	8	10	4,850	4,430	5,000	4,570
	4,850	3,455	6,260	155	8	8	8	10	4,400	4,020	4,700	4,295
5,500	3,770	6,910	155	8	5	8	8	3,950	3,610	4,450	4,065	
FF	3,000	2,200	4,385	850	8	10	8	10	5,000	4,570	5,000	4,570
FFT	3,700	1,985	5,115	635	8	8	8	8	5,000	4,570	5,000	4,575
	4,000	2,080	5,410	730	8	8	8	8	5,000	4,570	5,000	4,575
	4,250	2,170	5,675	820	8	8	8	8	5,000	4,570	5,000	4,575
	4,500	2,255	5,930	905	8	8	8	8	5,000	4,570	5,000	4,575
	4,700	2,320	6,125	970	8	5	8	8	5,000	4,570	5,000	4,575
	5,150	2,470	6,575	1,120	8	5	8	8	4,550	4,165	4,700	4,300
	5,600	2,620	7,025	1,270	8	3	8	5	4,400	4,025	4,550	4,165
	6,050	2,770	7,475	1,420	8	3	8	3	3,400	3,110	4,350	3,980
	6,500	2,920	7,925	1,570	8	3	8	3	2,700	2,470	4,200	3,845

Note : Mast Specifications & Rated Capacities are based on standard chassis with pneumatic tire and without side shifter.

D55C-9

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities							
					D55C-9							
					Tilt Angle				Load Capacities			
					Single Pneumatics		Double Pneumatics		Single Pneumatics		Double Pneumatics	
					FWD	BWD	FWD	BWD	LC 600mm	LC 600mm	LC 600mm	LC 600mm
mm	mm	mm	mm	deg	deg	deg	deg	kg	kg			
STD	2,750	2,220	4,160	165	8	10	8	10	5,500	5,500		
	3,050	2,370	4,460	165	8	10	8	10	5,500	5,500		
	3,400	2,545	4,810	165	8	10	8	10	5,500	5,500		
	3,750	2,870	5,160	165	8	10	8	10	5,500	5,500		
	4,000	2,995	5,410	165	8	10	8	10	5,500	5,500		
	4,600	3,445	6,010	165	8	8	8	8	5,500	5,500		
	5,000	3,645	6,410	165	8	5	8	5	5,000	5,200		
	5,500	3,895	6,910	165	8	3	8	5	4,250	4,500		
	5,800	4,045	7,210	165	8	3	8	5	3,600	3,700		
	FF	2,875	2,200	4,260	860	8	10	8	10	5,500	5,500	
FFT	3,575	1,985	4,990	645	8	8	8	8	5,500	5,500		
	3,875	2,080	5,285	740	8	8	8	8	5,500	5,500		
	4,125	2,170	5,550	830	8	8	8	8	5,500	5,500		
	4,575	2,320	6,000	980	8	3	8	8	5,500	5,500		
	5,025	2,470	6,450	1,130	8	3	8	5	5,200	5,200		
	5,325	2,570	6,750	1,230	8	3	8	3	4,500	4,600		
	5,475	2,620	6,900	1,280	8	3	8	3	4,300	4,500		
	5,925	2,770	7,350	1,430	8	3	8	3	3,300	3,500		

Note : Mast Specifications & Rated Capacities are based on standard chassis with pneumatic tire and without side shifter.



D35S-9 / D40S-9 / D45S-9 / D50C-9 / D55C-9
D40SC-9 / D45SC-9 / D50SC-9 / D55SC-9

9-SERIES FORKLIFTS

Pneumatic Diesel 3.5 to 5.5 ton capacity
Euro Stage V



EUD45S9-200908ENV1 (September 2020)



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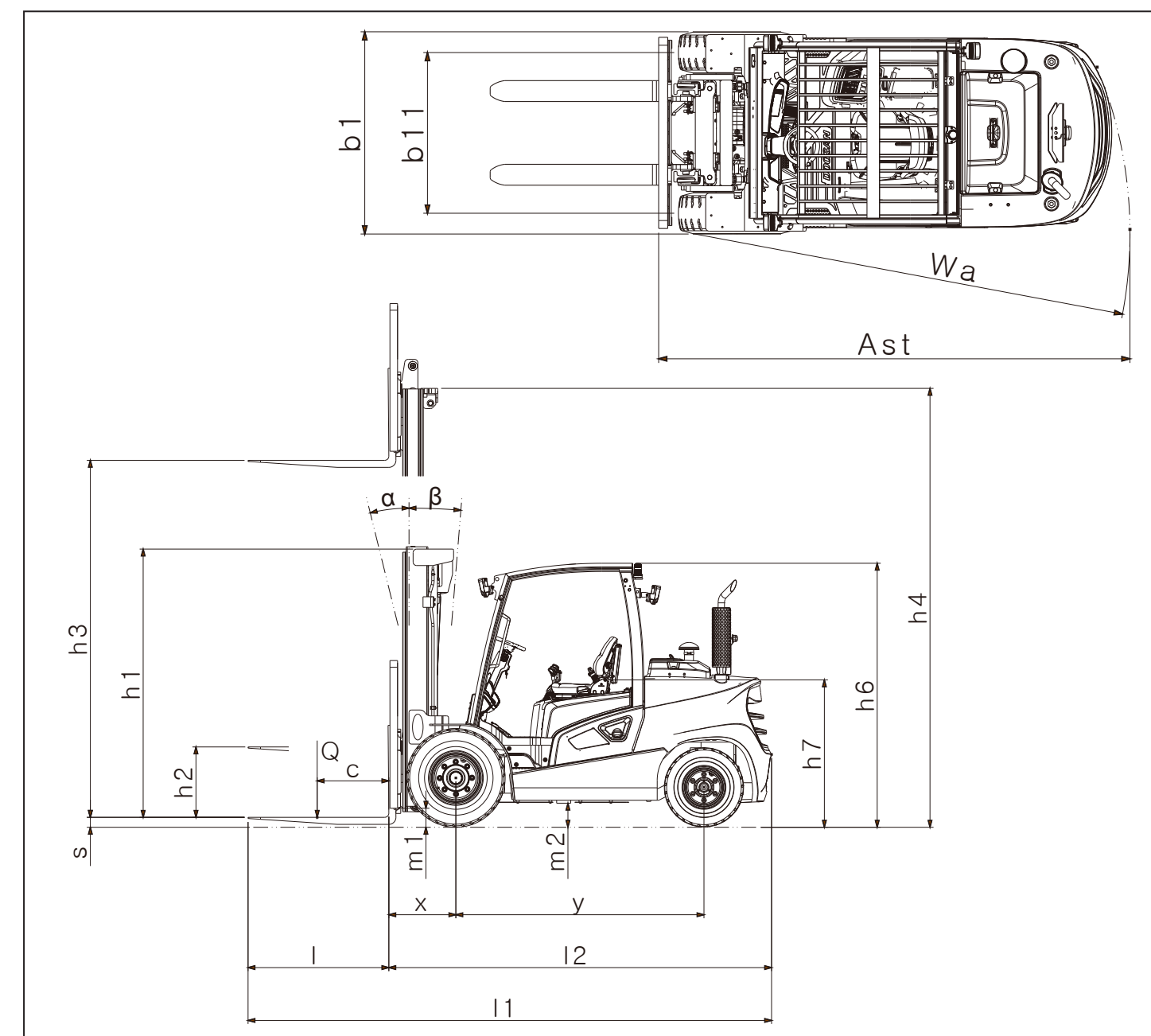
Authorized Dealer

GENERAL SPECIFICATIONS

Characteristics	1.1		Manufacturer	Doosan	Doosan	Doosan		
	1.2		Model	D35S-9	D40S-9	D45S-9	D55S-9	
	1.3		Drive	Diesel	Diesel	Diesel	Diesel	
1.4		Operator type	Seated	Seated	Seated	Seated		
1.5		Load Capacity	Q	kg	3,500	4,000	4,500	
1.6		Load Center	c	mm	600	600	600	
1.8		Load Distance: Center of Driveaxle to fork	x	mm	560	560	560	
1.9		Wheelbase	y	mm	2,015	2,015	2,115	
Weight	2.1		Service weight	kg	5,795	6,100	6,530	
	2.2		Axle Loading, Loaded Front/Rear	kg	8,390/905	9,115/985	9,960/1,070	
	2.3		Axle Loading, Unloaded Front/Rear	kg	2,255/3,540	2,425/3,675	2,630/3,900	
Tyres	3.1		Tyres: pneumatic (P), cushion (C)	-	P	P	P	
	3.2		Tyre size, Front	-	8.25X15-14PR/ 7.50X16-12PR	300X15-18PR/ 7.50X16-12PR	300X15-18PR/ 7.50X16-12PR	
	3.3		Tyre size, Rear	-	7.00X12-12PR	7.00X12-12PR	7.00X12-12PR	
3.5		Wheels, number Front/Rear (x = driven wheels)	-	-	2X/2	2X/2	2X/2	
3.6		Tread, Front	b11	mm	1,140 / 1,290	1,155 / 1,290	1,155 / 1,290	
3.7		Tread, Rear	b12	mm	1,115	1,115	1,115	
Dimensions	4.1		Tilt of Mast/Fork carriage Forward/Backward	α/β	°	8/10	8/10	8/10
	4.2		Height, Mast lowered	h1	mm	2,225	2,230	2,230
	4.3		Free Lift	h2	mm	160	160	160
	4.4		Maximum fork height	h3	mm	3,000	3,000	3,000
	4.5		Height, Mast Extended	h4	mm	4,265	4,270	4,420
	4.7		Height of Overhead Guard	h6	mm	2,225	2,230	2,230
	4.8		Height of Seat	h7	mm	1,220	1,225	1,225
	4.19		Overall Length	l1	mm	4,160	4,200	4,480
	4.20		Length to Forkface	l2	mm	2,995	3,000	3,260
	4.21		Overall Width	b1	mm	1,370	1,455	1,455
	4.22		Fork Dimensions		mm	50X150X1,050	50X150X1,050	50X150X1,200
	4.23		Fork carriage ISO 2328, class/type A,B		-	III	III	IV
4.24		Fork carriage width	m1	mm	1,250	1,250	1,330	
4.31		Ground Clearance, loaded, below mast	m1	mm	150	160	160	
4.32		Ground Clearance, center of wheelbase	m2	mm	205	205	205	
4.34.1		Aisle width for pallets 1,000 x 1,200 crossways	Ast	mm	4,515	4,560	4,610	
4.34.2		Aisle width for pallets 800 x 1,200 crossways	Ast	mm	4,715	4,760	4,810	
4.35		External Turning Radius	Wa	mm	2,755	2,800	2,850	
4.36		Internal Turning Radius	b13	mm	2,670	2,725	2,775	
Performance data	5.1		Travel Speed, Loaded/unloaded	km/h	24.0/26.0	24.0/26.0	24.0/26.0	
	5.2		Lift Speed, Loaded/unloaded	mm/s	0.56/0.60	0.55/0.60	0.54/0.60	
	5.3		Lowering Speed, Loaded/unloaded	mm/s	0.45/0.50	0.45/0.50	0.45/0.50	
	5.4		Drawbar pull, Loaded (@ 1.6km/h)	N	34,075	33,540	33,564	
	5.5		Max. Drawbar pull, Loaded	N	37,498	36,894	36,970	
	5.7		Gradeability, Loaded (@ 1.6km/h)	%	38.5	34.5	31.5	
5.8		Max. Gradeability, Loaded	%	43	38.5	35		
5.10		Service Brake	-	Foot/Hyd	Foot/Hyd	Foot/Hyd		
Combustion Engine	7.1		Engine Manufacturer/type	-	DI	DI	DI	
	7.2		Engine power according to DIN ISO1585	kW	55.4	55.4	55.4	
	7.3		Rated Speed	min-1	2,200	2,200	2,200	
	7.3.1		Torque at 1/min	N·m	360 @ 1,400	360 @ 1,400	360 @ 1,400	
7.4		Number of cylinders/Displacement	cc	-/cm³	4/3,409	4/3,409	4/3,409	
7.5		Fuel consumption according to VDI cycle	l/h	5.2	5.2	5.2		
7.10		Battery Voltage/normal capacity	V/Ah	12/100	12/100	12/100		
Add. Data	10.1		Operating pressure for attachments	bar	160	160	160	
	10.2		Oil volume for attachments	l/min	110	110	110	
	10.4		Fuel Tank Capacity	l	105	105	119	
	10.7		Sound level at the driver's ear according to EN 12 053	dB(A)	79	79	79	

Doosan		Doosan		Doosan		Doosan		Doosan		Doosan	
D50C-9		D55C-9		D40SC-9		D45SC-9		D50SC-9		D55SC-9	
Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
Seated		Seated		Seated		Seated		Seated		Seated	
5,000		5,500		4,000		4,500		5,000		5,500	
600		600		500		500		500		500	
570		570		560		560		560		570	
2,115		2,115		2,015		2,015		2,115		2,115	
6,930		7,300		5,795		6,100		6,530		6,930	
10,770/1,160		11,565/1,235		8,390/905		9,115/985		9,960/1,070		10,770/1,160	
2,655/4,275		2,705/4,595		2,255/3,540		2,425/3,675		2,630/3,900		2,655/4,275	
P		P		P		P		P		P	
300X15-18PR/ 7.50X16-12PR		300X15-18PR/ 7.50X16-12PR		8.25X15-14PR/ 7.50X16-12PR		300X15-18PR/ 7.50X16-12PR		300X15-18PR/ 7.50X16-12PR		300X15-18PR/ 7.50X16-12PR	
7.00X12-14PR		7.00X12-14PR		7.00X12-12PR		7.00X12-12PR		7.00X12-12PR		7.00X12-14PR	
2X/2		2X/2		2X/2		2X/2		2X/2		2X/2	
1,155 / 1,290		1,155 / 1,290		1,140 / 1,290		1,155 / 1,290		1,155 / 1,290		1,155 / 1,290	
1,115		1,115		1,115		1,115		1,115		1,115	
8/10		8/10		8/10		8/10		8/10		8/10	
2,230		2,230		2,225		2,230		2,230		2,230	
170		170		160		160		160		170	
3,050		3,050		3,000		3,000		3,000		3,050	
4,470		4,470		4,265		4,270		4,420		4,470	
2,230		2,230		2,225		2,230		2,230		2,230	
1,225		1,225		1,220		1,225		1,225		1,225	
4,530		4,560		4,160		4,200		4,480		4,530	
3,300		3,340		2,995		3,000		3,260		3,300	
1,455		1,455		1,370		1,455		1,455		1,455	
50X150X1,200		50X150X1,200		50X150X1,050		50X150X1,050		50X150X1,200		50X150X1,200	
IV		IV		III		III		IV		IV	
1,330		1,330		1,250		1,250		1,330		1,330	
160		160		150		160		160		160	
205		205		205		205		205		205	
4,640		4,670		4,515		4,560		4,610		4,640	
4,840		4,870		4,715		4,760		4,810		4,840	
2,870		2,900		2,755		2,800		2,850		2,870	
2,845		2,885		2,670		2,725		2,775		2,845	
24.0/26.0		24.0/26.0		24.0/26.0		24.0/26.0		24.0/26.0		24.0/26.0	
0.53/0.60		0.52/0.60		0.56/0.60		0.55/0.60		0.54/0.60		0.53/0.60	
0.45/0.50		0.45/0.50		0.45/0.50		0.45/0.50		0.45/0.50		0.45/0.50	
33,390		33,170		34,075		33,540		33,564		33,390	
36,816		36,595		37,498		36,894		36,970		36,816	
28.5		26		38.5		34.5		31.5		28.5	
31.5		29		43		38.5		35		31.5	
Foot/Hyd		Foot/Hyd		Foot/Hyd		Foot/Hyd		Foot/Hyd		Foot/Hyd	
DI		DI		DI		DI		DI		DI	
55.4		55.4		55.4		55.4		55.4		55.4	
2,200		2,200		2,200		2,200		2,200		2,200	
360 @ 1,400		360 @ 1,400		360 @ 1,400		360 @ 1,400		360 @ 1,400		360 @ 1,400	
4/3,409		4/3,409		4/3,409		4/3,409		4/3,409		4/3,409	
5.2		5.2		5.2		5.2		5.2		5.2	
12/100		12/100		12/100		12/100		12/100		12/100	
160		160		160		160		160		160	
110		110		110		110		110		110	
119		119		105		105		119		119	
79		79		79		79		79		79	

DIMENSIONAL DRAWING



MAST SPECIFICATIONS and RATED CAPACITIES

D35S-9, D40SC-9

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities							
					D35S-9, D40SC-9							
					Tilt Angle				Load Capacities			
					Single Pneumatics		Double Pneumatics		Single Pneumatics		Double Pneumatics	
FWD	BWD	FWD	BWD	LC500mm	LC600mm	LC500mm	LC600mm					
deg		deg		kg		kg						
STD	3,000	2,235	4,260	155	8	10	8	10	4,000	3,655	4,000	3,655
	3,300	2,385	4,560	155	8	10	8	10	4,000	3,655	4,000	3,655
	3,650	2,560	4,910	155	8	10	8	10	4,000	3,655	4,000	3,655
	4,000	2,885	5,260	155	8	10	8	10	4,000	3,655	4,000	3,655
	4,250	3,010	5,510	155	8	10	8	10	4,000	3,655	4,000	3,655
	4,850	3,460	6,110	155	8	10	8	10	3,650	3,335	3,750	3,430
FF	3,000	2,215	4,235	1,015	8	10	8	10	4,000	3,655	4,000	3,500
	4,000	2,095	5,260	895	8	8	8	8	4,000	3,660	4,000	3,655
FFT	4,250	2,185	5,525	985	8	8	8	8	4,000	3,660	4,000	3,660
	4,500	2,270	5,780	1,070	8	8	8	8	4,000	3,660	4,000	3,660
	4,700	2,335	5,975	1,135	8	5	8	8	4,000	3,660	4,000	3,660
	5,150	2,485	6,425	1,285	8	5	8	5	3,700	3,385	3,850	3,525
	5,600	2,635	6,875	1,435	8	3	8	3	3,600	3,295	3,700	3,385
	6,050	2,785	7,325	1,585	8	3	8	3	3,000	2,745	3,550	3,250
	6,500	2,935	7,775	1,735	8	3	8	3	2,350	2,150	3,450	3,155
	7,000	3,115	8,275	1,915	8	3	8	3	1,750	1,600	3,300	3,020

Note : Mast Specifications & Rated Capacities are based on standard chassis with pneumatic tire and without side shifter.

Note : Specification values quoted in this specification sheet have been rounded. Performance may vary due to operation conditions. Products and specifications are subject to improvement and change without prior notices.