



7 Series Forklifts

Pneumatic Diesel 10 to 16 ton Series

EPA Tier-4 / Euro Stage 4



Lifting Your Dreams

10,000/12,000/14,000/16,000kg Capacity

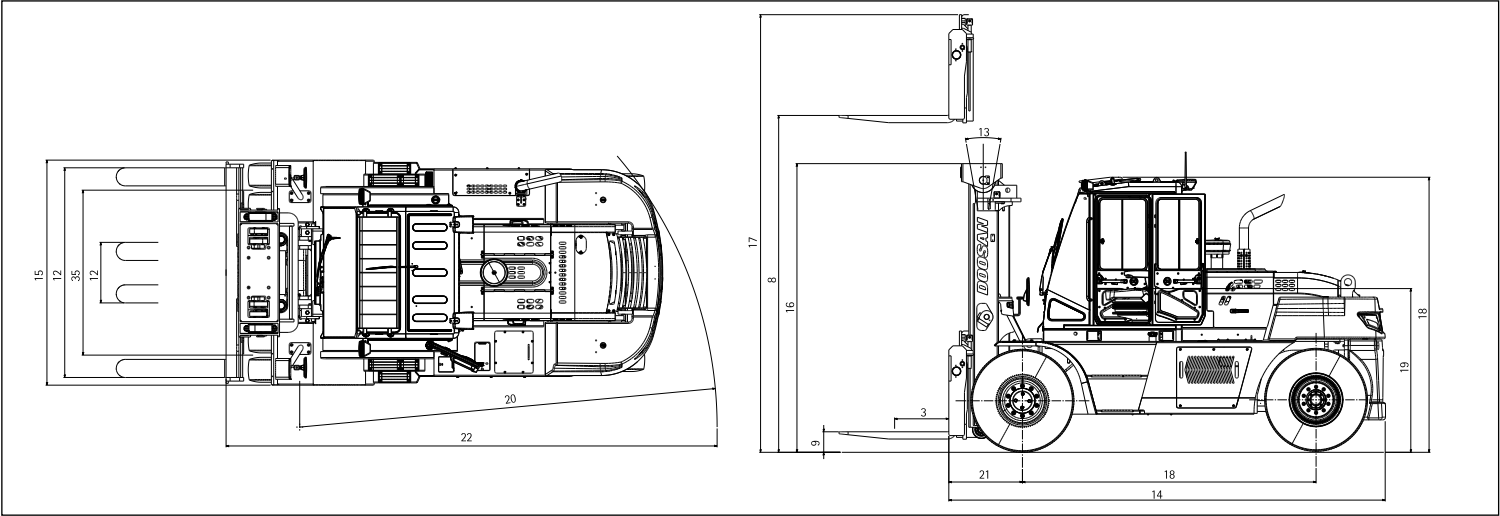
Engine Powered Forklift Trucks
Pneumatic Tire, Diesel

SPECIFICATION

CHARACTERISTICS							
1	Model			D100S-7	D120S-7	D140S-7	D160S-7
2	Capacity	at rated load center	kg	10000	12000	14000	16000
3	Load center	Distance	mm	600	600	600	600
4	Power type	Electric,Diesel,Gasoline,LP-Gas		Diesel	Diesel	Diesel	Diesel
5	Operator type	Stand-on, Rider-seated		Rider-seated	Rider-seated	Rider-seated	Rider-seated
6	Tire type	c=cushion, p=pneumatic		p	p	p	p
7	Wheels(x=driven)	Number, front/rear		x4/2	x4/2	x4/2	x4/2
DIMENSIONS							
8	Maximum fork height	with STD 2-stage mast	mm	3000	3000	3100	3100
9	Free lift		mm	0	0	0	0
10	Fork carriage	ISO class		-	-	-	-
11	Forks	Thickness x Width x Length	mm	70x200x1350	85x200x1350	85x200x1350	85x200x1350
12		Fork spacing(min X Max)	mm	470x2140	470x2140	470x2290	470x2290
13	Tilt of mast	Forward / Backward	deg	15/12	15/12	15/12	15/12
14	Overall Dimensions	Length to forkface	mm	4490	4505	4830	4830
15		Width	mm	2350	2350	2490	2490
16		Mast lowered height	mm	2970	2970	3170	3170
17		Mast extended height	mm	4470	4470	4670	4670
18		Overhead guard height(Cabin)	mm	2890(2990)	2890(2990)	2950(3050)	2950(3050)
19		Seat heigh	mm	1455	1455	1526	1526
20	Minimum ouside Turning Radius		mm	4290	4290	4620	4620
21	Load moment constant		mm	755	770	815	815
22	90°stacking aisle	add load length and clearance	mm	5045	5060	5435	5435
PERFORMANCE							
23	Speed	Ttravel, loaded/unloaded	km/h	34/37	33/36	26/30	25/29
24		Lift, loaded/unloaded	mm/s	410/470	400/470	370/430	360/430
25		Lowering, loaded/unloaded	mm/s	430/410	430/410	430/410	430/410
26	Drawbar pull	at 1.6 km/h, loaded	kg	9430	9350	10590	10520
27	Gradeability	at 1.6 km/h, loaded	%	42	36	36	32
WEIGHT			Full Cabin				
28	Total weight	Unloaded	kg	15190	16190	17995	18995
29	Axle load	with loaded, front/rear	kg	21985/3205	24960/3230	28630/3365	31525/3470
30		without loaded, front/rear	kg	7470/7720	7480/8710	8640/9355	8665/10330
CHASSIS							
31	Tires	Number of front/rear		4/2	4/2	4/2	4/2
32		Size, front		10.00X20-16PR	10.00X20-16PR	12.00X20-18PR	12.00X20-18PR
33		Size, rear		10.00X20-16PR	10.00X20-16PR	12.00X20-18PR	12.00X20-18PR
34	Wheel base		mm	3000	3000	3250	3250
35	Tread	Front/Rear	mm	1724/1860	1724/1860	1825/1910	1825/1910
36	Ground clearance	loaded, at the lowest point	mm	270	270	270	270
37		loaded, at center of wheelbase	mm	360	360	370	370
38	Brakes	Service brake		Disc	Disc	Disc	Disc
39		Parking brake		Rachet	Rachet	Rachet	Rachet
DRIVE							
40	Battery	Voltage/Capacity	V/AH	24/100	24/100	24/100	24/100
41	Engine	Manufacturer/Model		DI/DLo6	DI/DLo6	DI/DLo6	DI/DLo6
42		Rated output (at rpm)	ps/rpm	175/2100	175/2100	175/2100	175/2100
			kW/rpm	128.7/2100	128.7/2100	128.7/2100	128.7/2100
43		Max. Torque	Nm/rpm	725.7/1400	725.7/1400	725.7/1400	725.7/1400
44		Cycle/Cylinders/Displacement	cc	4/6/5890	4/6/5890	4/6/5890	4/6/5890
45	Transmission	Type		Full Auto	Full Auto	Full Auto	Full Auto
46		No. speeds forward/reverse		3/3	3/3	3/3	3/3
47	Operating pressure	System/Attachment	bar	190/160	210/160	210/160	225/160

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

DIMENSIONAL DRAWING



MAST SPECIFICATIONS and RATED CAPACITIES

D100S-7

Mast type	Maxmum Fork Height	Fully Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities		
			With Load Backrest	With Load Backrest	D100S-7		
					Tilt Angle		Load Capacities
					Double Pneumatic		Double Pneumatic
	mm	mm	mm	mm	FWD	BWD	LC600mm
					deg	deg	kg
STD	3000	2965	4465	0	15	12	10000
	3500	3215	4965	0	15	12	10000
	4000	3465	5465	0	15	12	10000
	4500	3715	5965	0	15	12	10000
	5000	4165	6665	0	15	12	10000
	5500	4415	7165	0	15	12	10000
	6000	4665	7665	0	15	12	10000

D120S-7

Mast type	Maxmum Fork Height	Fully Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities		
			With Load Backrest	With Load Backrest	D120S-7		
					Tilt Angle		Load Capacities
					Double Pneumatic		Double Pneumatic
	mm	mm	mm	mm	FWD	BWD	LC600mm
					deg	deg	kg
STD	3000	2965	4465	0	15	12	12000
	3500	3215	4965	0	15	12	12000
	4000	3465	5465	0	15	12	12000
	4500	3715	5965	0	15	12	12000
	5000	4165	6665	0	15	12	12000
	5500	4415	7165	0	15	12	12000
	6000	4665	7665	0	15	12	12000

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

D140S-7

Mast type	Maxmum Fork Height	Fully Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities		
					D140S-7		
			With Load Backrest	With Load Backrest	Tilt Angle		Load Capacities
					Double Pneumatic		Double Pneumatic
	mm	mm	mm	mm	FWD	BWD	LC600mm
	deg	deg					kg
STD	2900	2950	4400	0	15	12	14000
	3000	3170	4670	0	15	12	14000
	3500	3420	5170	0	15	12	14000
	4000	3670	5670	0	15	12	14000
	4500	3920	6170	0	15	12	14000
	5000	4370	6870	0	15	12	14000
	5500	4620	7370	0	15	12	14000
	6000	4870	7870	0	15	12	13925
FFT	3700	2930	5330	1380	15	8	14000
	4000	3030	5630	1480	15	8	14000
	4500	3195	6130	1645	15	8	13950
	5000	3360	6630	1815	15	8	13525
	5500	3530	7130	1980	15	8	13100
	6000	3695	7630	2145	15	8	12675

D160S-7

Mast type	Maxmum Fork Height	Fully Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities		
					D160S-7		
			With Load Backrest	With Load Backrest	Tilt Angle		Load Capacities
					Double Pneumatic		Double Pneumatic
	mm	mm	mm	mm	FWD	BWD	LC600mm
	deg	deg					kg
STD	2900	2950	4400	0	15	12	16000
	3000	3170	4670	0	15	12	16000
	3500	3420	5170	0	15	12	16000
	4000	3670	5670	0	15	12	16000
	4500	3920	6170	0	15	12	16000
	5000	4370	6870	0	15	12	16000
	5500	4620	7370	0	15	12	15950
	6000	4870	7870	0	15	12	15475
FFT	3700	2930	5330	1380	15	8	16000
	4000	3030	5630	1480	15	8	16000
	4500	3195	6130	1645	15	8	15525
	5000	3360	6630	1815	15	8	15075
	5500	3530	7130	1980	15	8	14600
	6000	3695	7630	2145	15	8	14150

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



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