



7 Series Forklifts

Pneumatic Diesel 2.0 to 3.5 ton Series

EPA Tier-4 / Euro Stage IIIb

D33S-7

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities											
					D33S-7											
					Tilt Angle						Load Capacities					
					Single Pneu.		Double Pneu.		Single Solid		Single Pneu.		Double Pneu.		Single Solid	
FWD	BWD	FWD	BWD	FWD	BWD	LC 500mm	LC 24in	LC 500mm	LC 24in	LC 500mm	LC 24in					
deg		deg		deg		kg		lb		kg		lb				
STD	2030	1565	3290	152	6	10	6	10	6	10	3250	6500	3250	6500	3250	6500
	2580	1840	3840	152	6	10	6	10	6	10	3250	6500	3250	6500	3250	6500
	2950	2025	4210	152	6	10	6	10	6	10	3250	6500	3250	6500	3250	6500
	3230	2165	4490	152	6	10	6	10	6	10	3250	6500	3250	6500	3250	6500
	3500	2415	4765	152	6	10	6	10	6	10	3250	6500	3250	6500	3250	6500
	3800	2565	5065	152	6	10	6	10	6	10	3250	6500	3250	6500	3250	6500
	3950	2640	5215	152	6	10	6	10	6	10	3175	6500	3250	6500	3250	6500
	4350	2840	5615	152	6	10	6	10	6	10	3175	6500	3250	6500	3250	6500
	4960	3140	6215	152	6	5	6	10	6	10	2450	5400	3125	6350	3200	6500
	FF	2580	1850	3840	640	6	10	6	10	6	10	3250	6500	3250	6500	3250
2950		2035	4210	825	6	10	6	10	6	10	3250	6500	3250	6500	3250	6500
3230		2175	4490	965	6	10	6	10	6	10	3250	6500	3250	6500	3250	6500
3600		2425	4865	1215	6	10	6	10	6	10	3250	6500	3250	6500	3250	6500
FFT	3900	1890	5165	690	6	8	6	8	6	8	3250	6500	3250	6500	3250	6500
	4290	2025	5570	825	6	8	6	8	6	8	3250	6500	3250	6500	3250	6500
	4730	2165	5990	965	6	3	6	8	6	8	2900	6300	3175	6450	3250	6500
	5560	2515	6815	1315	6	3	6	8	6	5	1750	3950	2975	6050	3050	6200
	6010	2665	7265	1465	6	3	6	5	6	3	1350	3050	2875	5850	2950	6050

D35C-7

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities											
					D35S-7											
					Tilt Angle						Load Capacities					
					Single Pneu.		Double Pneu.		Single Solid		Single Pneu.		Double Pneu.		Single Solid	
FWD	BWD	FWD	BWD	FWD	BWD	LC 500mm	LC 24in	LC 500mm	LC 24in	LC 500mm	LC 24in					
deg		deg		deg		kg		lb		kg		lb				
STD	2030	1565	3290	152	6	10	6	10	6	10	3500	7000	3500	7000	3500	7000
	2580	1840	3840	152	6	10	6	10	6	10	3500	7000	3500	7000	3500	7000
	2950	2025	4210	152	6	10	6	10	6	10	3500	7000	3500	7000	3500	7000
	3230	2165	4490	152	6	10	6	10	6	10	3500	7000	3500	7000	3500	7000
	3500	2415	4765	152	6	10	6	10	6	10	3500	7000	3500	7000	3500	7000
	3800	2565	5065	152	6	10	6	10	6	10	3500	7000	3500	7000	3500	7000
	3950	2640	5215	152	6	10	6	10	6	10	3500	7000	3500	7000	3500	7000
	4350	2840	5615	152	6	10	6	10	6	10	3425	6950	3425	6950	3500	7000
	4960	3140	6215	152	6	5	6	10	6	10	3250	6650	3275	6650	3375	6850
	FF	2350	1840	3610	640	6	10	6	10	6	10	3500	7000	3500	7000	3500
2720		2025	3980	825	6	10	6	10	6	10	3500	7000	3500	7000	3500	7000
3000		2165	4260	965	6	10	6	10	6	10	3500	7000	3500	7000	3500	7000
3495		2415	4755	1215	6	10	6	10	6	10	3500	7000	3500	7000	3500	7000
FFT	3555	1890	4815	690	6	8	6	8	6	8	3400	7000	3400	7000	3400	7000
	3960	2025	5220	825	6	8	6	8	6	8	3400	7000	3400	7000	3400	7000
	4380	2165	5640	965	6	8	6	8	6	8	3375	6850	3375	6850	3400	7000
	4820	2335	6085	1135	6	3	6	8	6	8	3250	6600	3250	6650	3350	6800
	5205	2515	6465	1315	6	3	6	8	6	5	2600	5800	3150	6450	3250	6600
5655	2665	6915	1465	6	3	6	8	6	3	1975	4450	3050	6200	3150	6400	



2014 SEP



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AUTHORIZED DEALER

Lifting Your Dreams

General Specification

CHARACTERISTICS				TIER-4				
MANUFACTURER				DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
MODEL				D20S-7(D24A)	D25S-7(D24A)	D30S-7(D24A)	D35S-7(D24A)	D35C-7(D24A)
1	CAPACITY	at rated load center	kg	2000	2500	3000	3250	3500
2	LOAD CENTER	distance	mm	500	500	500	500	500
3	POWER TYPE	electric, diesel, gas, LPG-gas		diesel	diesel	diesel	diesel	diesel
4	OPERATOR TYPE	stand-on, ride-seated		ride-seated	ride-seated	ride-seated	ride-seated	ride-seated
5	TIRES	C-cushion, P-pneumatic		P	P	P	P	P
6	WHEELS(x-driven)	number of front/rear		2/2	2/2	2/2	2/2	2/2
DIMENSIONS								
9	LIFT WITH STD TWO-STAGE MAST	maximum fork height with rated load	mm	3230	3230	3230	3230	3000
10		free lift	mm	152	152	152	152	152
11	FORK CARRIAGE	ISO class		II	II	III	III	III
12	FORKS	thickness x width x length	mm	45x100x1000	45x100x1000	45x125x1050	45x125x1050	45x125x1050
13		fork spacing (maximum x minimum)	mm	275x1035	275x1035	286x1044	286x1044	286x1044
14	TILT OF MAST	forward/backward	deg	6/10	6/10	6/10	6/10	6/10
15	OVERALL DIMENSIONS	length to fork face	mm	2530	2595	2700	2730	2765
16		width	mm	1170	1170	1197	1197	1255
17		mast lowered height	mm	2175	2175	2165	2165	2165
18		mast extended height	mm	4490	4490	4490	4490	4260
19		overhead guard height	mm	2183	2183	2183	2183	2183
20	seat height	mm	1026	1026	1026	1026	1026	
21	OUTSIDE TURNING RADIUS		mm	2220	2265	2365	2395	2420
22	LOAD MOMENT CONSTANT		mm	485	485	485	485	495
23	90° STACKING AISLE		mm	2705	2750	2850	2880	2915
23a	90° INTERSECTING AISLE		mm	1970	2000	2050	2100	2170
PERFORMANCE								
24	SPEED	travel, loaded/unloaded	km/hr	21/22	21/22	20/21	20/21	20/21
25		lift, loaded/unloaded	mm/s	530/580	520/580	510/580	480/540	470/540
26		lowering, loaded/unloaded	mm/s	500/450	500/450	500/450	500/450	500/450
27	DRAWBAR PULL	at 1.6km/hr, loaded/unloaded	kg	1790/1760	1790/1780	1860/1825	1850/1825	1780/1760
28	GRADEABILITY	at 1.6km/hr, loaded/unloaded	%	33	28	25.5	24	22
29	ACCELERATION	time reached at max speed, loaded/unloaded	sec					
WEIGHT								
30	TOTAL WEIGHT at unloaded		kg	3690	4065	4565	4750	4810
31	AXLE LOAD	at loaded, front/rear	kg	4965/725	5695/870	6575/970	6960/1040	7340/970
32		at unloaded, front/rear	kg	1750/1940	1680/2385	1870/2695	1825/2925	1780/3030
CHASSIS								
33	TIRES	number of front/rear		2/2	2/2	2/2	2/2	2/2
34		front size		7.00x15-12	7.00x15-12	28x9x15-12	28x9x15-12	250x15-18
35		rear size		6.50x10-10	6.50x10-10	6.50x10-10	6.50x10-12	6.50x10-12
36	WHEEL BASE		mm	1625	1625	1700	1700	1700
37	TREAD	front/rear	mm	975/1000	975/1000	982/1000	982/1000	1026/1000
38	GROUND CLEARANCE	at loaded, the lowest point	mm	115	115	105	105	105
39		at loaded, center of wheelbase	mm	143	143	143	143	143
40	SEVICE BRAKE			foot/hyd	foot/hyd	foot/hyd	foot/hyd	foot/hyd
41	PARKING BRAKE			hand/mech	hand/mech	hand/mech	hand/mech	hand/mech
DRIVE								
42	BATTERY	voltage/capacity	V/AH	12/85	12/85	12/85	12/85	12/85
43	ENGINE	manufacturer/model		D1/D24A(G2 2.4L) TIER-4	D1/D24A(G2 2.4L) TIER-4	D1/D24A(G2 2.4L) TIER-4	D1/D24A(G2 2.4L) TIER-4	D1/D24A(G2 2.4L) TIER-4
44		rated output / rpm	kw(hp)	45.6(62)/2200	45.6(62)/2200	45.6(62)/2200	45.6(62)/2200	45.6(62)/2200
45		max. torque / rpm	N-m	262/1600	262/1600	262/1600	262/1600	262/1600
46		cycle/cylinders/displacement	cc	4/4/2392	4/4/2392	4/4/2392	4/4/2392	4/4/2392
47	TRANSMISSION	type		powershift	powershift	powershift	powershift	powershift
48		number of speeds forward/reverse		1/1	1/1	1/1	1/1	1/1
49	OPERATING PRESSURE	system/attachment	bar	181/156	195/156	220/156	240/156	240/156
50	NOISE LEVEL	equivalent continuous sound pressure level (Leq) at operator's ear (DHI + B1A/CE p/EN 12053)	dB(A)					
PERFORMANCE(ECO Mode)								
51	SPEED	travel, loaded/unloaded	km/hr	20/21	20/21	19/20	19/20	19/20
52		lift, loaded/unloaded	mm/s	490/530	480/530	470/530	450/500	440/500
53		lowering, loaded/unloaded	mm/s	500/450	500/450	500/450	500/450	500/450
54	DRAWBAR PULL	at 1.6km/hr, loaded/unloaded	kg	1665/1640	1660/1655	1730/1700	1720/1700	1720/1700
55	GRADEABILITY	at 1.6km/hr, loaded/unloaded	%	31	26	23.5	22	20

*ECO Mode engine setting
- Low 800±25rpm / High 2,200±50rpm / Stall 1,850±100rpm

MAST SPECIFICATION and RATED CAPACITIES

D20S-7

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities											
					D20S-7											
					Tilt Angle						Load Capacities					
					Single Pneu.		Double Pneu		Single Solid		Single Pneu.		Double Pneu		Single Solid	
					FWD	BWD	FWD	BWD	FWD	BWD	LC 500mm	LC 24in	LC 500mm	LC 24in	LC 500mm	LC 24in
	mm	mm	mm	mm	deg	deg	deg	deg	deg	deg	kg	lb	kg	lb	kg	lb
STD	2030	1575	3290	147	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
	2580	1850	3840	147	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
	2950	2035	4210	147	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
	3230	2175	4490	147	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
	3500	2425	4765	147	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
	3800	2575	5065	147	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
	3950	2650	5215	147	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
FF	4350	2850	5615	147	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
	4960	3150	6215	147	6	5	6	10	6	10	1900	3750	1925	3900	1975	4000
	2580	1850	3840	645	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
	2950	2035	4210	830	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
FFT	3230	2175	4490	970	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
	3600	2425	4865	1220	6	10	6	10	6	10	2000	4000	2000	4000	2000	4000
	3900	1900	5165	695	6	8	6	8	6	8	2000	4000	2000	4000	2000	4000
	4290	2035	5570	830	6	8	6	8	6	8	2000	4000	2000	4000	2000	4000
	4730	2175	5990	970	6	8	6	8	6	8	1950	3950	1950	3950	2000	4000
	5560	2525	6815	1320	6	3	6	8	6	8	1650	3650	1825	3700	1875	3850
	6010	2675	7265	1470	6	3	6	8	6	5	1300	2900	1750	3550	1825	3700
6500	2915	7760	1710	6	3	6	8	6	3	975	2200	1675	3450	1750	3550	

D25S-7

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities											
					D25S-7											
					Tilt Angle						Load Capacities					
					Single Pneu.		Double Pneu		Single Solid		Single Pneu.		Double Pneu		Single Solid	
					FWD	BWD	FWD	BWD	FWD	BWD	LC 500mm	LC 24in	LC 500mm	LC 24in	LC 500mm	LC 24in
	mm	mm	mm	mm	deg	deg	deg	deg	deg	deg	kg	lb	kg	lb	kg	lb
STD	2030	1575	3290	147	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
	2580	1850	3840	147	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
	2950	2035	4210	147	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
	3230	2175	4490	147	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
	3500	2425	4765	147	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
	3800	2575	5065	147	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
	3950	2650	5215	147	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
FF	4350	2850	5615	147	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
	4960	3150	6215	147	6	5	6	10	6	10	2075	4600	2450	4950	2500	5000
	2580	1850	3840	645	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
	2950	2035	4210	830	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
FFT	3230	2175	4490	970	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
	3600	2425	4865	1220	6	10	6	10	6	10	2500	5000	2500	5000	2500	5000
	3900	1900	5165	695	6	8	6	8	6	8	2500	5000	2500	5000	2500	5000
	4290	2035	5570	830	6	8	6	8	6	8	2500	5000	2500	5000	2500	5000
	4730	2175	5990	970	6	8	6	8	6	8	2450	5000	2500	5000	2500	5000
	5560	2525	6815	1320	6	3	6	8	6	8	1525	3400	2325	4750	2400	4850
	6010	2675	7265	1470	6	3	6	8	6	5	1175	2600	2250	4550	2300	4700
6500																