

Standard Specification

Model designation			FD20	FD25	FD30	FD35	FD40
Characteristics	Load capacity	t	2	2.5	3	3.5	4
	Load centre	mm	500	500	500	500	500
	Wheelbase	mm	1700	1700	1700	1700	1700
	Axle centre to fork face	mm	460	460	460	460	460
	Axle centre to fork back	mm	435	435	435	435	435
Weight	Service weight	kg	3770	3860	4300	4650	5690
	Axle load with load (front)	kg	5164	5692	6509	7295	8673
	(rear)	kg	606	668	756	855	1017
	Axle load without load (front)	kg	1546	1583	1719	1907	2333
	(rear)	kg	2224	2277	2516	2743	3357
Tyres	Tyres:SE=(superelastic) P(pneumatic)		P/P	P/P	P/P	P/P	P/P
	Tyre size ,front	nich	7.00-12-12PR	7.00-12-12PR	28X9-15-12PR	28X9-15-12PR	28X9-15-12PR
	Tyre size ,rear	nich	18X7-8-14R	6.50-9-10PR	6.50-9-10PR	6.50-9-10PR	700-12
	Wheels,number		2X/2	2X/2	2X/3	2X/4	2X/5
	Front/rear(x=driven)						
Dimensions	Wheel distance front/rear	mm	970/970	970/970	1000/970	1000/971	1154/1100
	Mast tilt,forward/backward	()	6--12	6--12	6--12	6--12	6--12
	Lift	B mm	3000	3000	3000	3000	3000
	Free lift	A mm	145	145	150	150	150
	Length to fork face	mm	3515	3725	3750	3820	4070
	Overall width	F mm	1175	1175	1225	1225	1390
	Height of mast,lowered	mm	2000	2000	2065	2180	2230
	Height of mast,extended	D mm	4030	4030	4120	4250	4250
	Height of overhead guard (cabin)	C mm	2090	2090	2100	2100	2200
	Fork dimensions,sxsl	mm	920x122x40	1070x122x40	1070x125x45	1070x125x45	1070x125x45
	Lateral fork adjustment	mm	245--1020	245--1020	250--1060	300--1060	300--1090
	Coupler height	mm	235	235	235	235	280
	Ground clearance with load,mast	mm	100/125	100/125	110/135	110/135	140/160
	Ground clearance with load, centre of wheelbase	mm	140/145	140/145	140/145	140/145	150/160
	Height of drive seat	mm	1016	1016	1016	1016	1130
	Turning radius(outside)	E mm	2170	2230	2420	2450	2870
	Turning radius(inside)	mm	310	310	310	310	350
	Min.right angle aisle width	mm	2040	2100	2100	2170	2450
	Aisle width with pallets 1000*1200 across forks	mm	3855	3915	4105	4135	4600
	Minimum pivoting point distance	mm	922	922	922	922	1030
Performance	Width of fork carriage	mm	1040	1040	1100	1100	1100
	Height of fork carriage	mm	1130	1130	1130	1130	1130
	Travel speed,with/without lond	km/h	16/18	16/18	17/18	17/18	18/19
	Lifting speed,with/without lond	m/s	450/550	450/550	370/510	330/370	345/360
	Lowering speed,with/without lond	m/s	450/550	450/550	400/400	400/400	450/410
Drive	Tractive force,with/without lond	KN	12.7/8.3	12.7/8.3	15/9.8	15/9.8	17/13
	Climling ability,with/without lond	%	23	23	23	23	15
	Type pf engine		A490BPG-1	A490BPG-2	A490BPG-3	A490BPG-4	495BPG-25
	Engine performance	kw	37	37	37	37	42
	Rated speed	rpm	2650	2651	2652	2653	2654
	Rated torque	n*m	≥148	≥149	≥150	≥151	≥152
	Cylinder-BorexStroke	mm	90x100	90x101	90x102	90x103	90x104
	Number of cylinder/displacement	cm3	4/2540	4/2540	4/2540	4/2540	4/2540
	Fuel consumption to VDI	l/h(kg/h)	10.5(8.8)	10.5(8.8)			
		l/h(kg/h)	3.75(3.35)	4.01(3.35)			
	Min specific fuel consumption of full load load curve	g/kW.h	≥238g/kW*h	≥238g/kW*h	≥238g/kW*h	≥238g/kW*h	≥238g/kW*h
	Exhaust Level	EuroI	EuroI	EuroI	EuroI	EuroI	EuroI
Trans mission	Max smoke of full load curve FSN	FSN	≤3.0	≤3.0	≤3.0	≤3.0	≤3.0
	Net weight	kg	≤260	≤260	≤260	≤260	≤260
	Fuel tank capacity	L	≤50	≤50	≤55	≤55	≤70
	Type,manual/power shift		YQXD30	YQXD31	YQXD32	YQXD33	JDS30
	Stage(FWD/RVS)		2--2	2--2	2--2	2--2	2--2
Others	Working pressure for attachments	Mpa	15	15	15	15	18
	Battery type	V/AH	12/100	12/100	12/100	12/100	12/100
	Noise level at operator's ear	dB(A)	81 93.7	81 93.7	82 93.7	82 93.7	84 93.7



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