

FD20H/25H/30H/35H

4 Wheel Internal Combustion Counterbalance



ZOOMLION

LIFTING SOLUTIONS

4 Wheel Internal Combustion Counterbalance Tested tough

DISTINGUISHING MARKS	1.1	Manufacturer			Zoomlion	Zoomlion	Zoomlion	Zoomlion
	1.2	Manufacturer's type designation			FD20H	FD25H	FD30H	FD35H
	1.3	Drive			Diesel	Diesel	Diesel	Diesel
	1.4	Operation			Seated	Seated	Seated	Seated
	1.5	Rated load	Q	kg	2000	2500	3000	3500
	1.6	Load center distance	c	mm	500	500	500	500
	1.8	Load spacing	x	mm	473	473	483	480
	1.9	Wheelbase	y	mm	1600	1600	1700	1700
	WEIGHTS	2.1	Service weight (empty)		kg	3350	3800	4350
2.2		Axle loading, laden	front/rear	kg	4700/640	5540/750	6470/880	7350/1000
2.3		Axle loading, unladen	front/rear	kg	1500/1850	1700/2090	1960/2390	2180/2670
TYRES/CHASSIS	3.1	Tyres			SE	SE	SE	SE
	3.2	Tyres size	front		7.00-12-12PR	7.00-12-12PR	28x9-15-12PR	28x9-15-12PR
	3.3	Tyres size	rear		6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	28x9-15-12PR
	3.5	Wheels, number (x = driven)			2x / 2	2x / 2	2x / 2	2x / 2
	3.6	Tread (front/rear)	b10/b11	mm	970/970	970/970	1000/970	1000/970
	BASIC DIMENSIONS	4.1	Tilt of mast / Fork carriage (+ = forward)		°	+6 / -12	+6 / -12	+6 / -12
4.2		Height with mast lowered	h1	mm	1990	1990	2065	2095
4.3		Free lift	h2	mm	135	135	145	160
4.4		Rated lift (*) (**)	h3	mm	3000	3000	3000	3000
4.5		Height with mast extended	h4	mm	4000	4000	4256	4256
4.7		Height above cabin roof	h6	mm	2060	2060	2100	2100
4.8		Seat height in terms of SIP	h7	mm	1005	1005	1005	1005
4.9		Couplings height	h10	mm	330	330	385	385
4.19		Overall length (without forks)	l1	mm	2570	2570	2705	2746
4.20		Length at fork backs	l2	mm	3640	3640	3775	3820
4.21		Overall width	b1	mm	1160	1160	1230	1230
4.22		Fork dimensions	s/e/l	mm	40/122/1070	40/122/1070	45/125/1070	50/125/1070
4.23		Fork carriage ISO 2328, class/type A,B			III A	III A	III A	III A
4.24		Fork carriage width	b3	mm	1038	1038	1100	1100
4.31		Ground clearance under mast	m1	mm	110	110	120	120
4.32		Ground clearance wheel base center	m2	mm	140	140	150	150
4.34.1		Working aisle width with pallet 1000 x 1200 crossways	Ast	mm	4113	4113	4293	4328
4.34.2		Working aisle width with pallet 800 x 1200 lengthways	Ast	mm	4313	4313	4493	4528
4.35	Turning radius	Wa	mm	2240	2240	2410	2445	
4.36	Smallest pivoting distance	b13	mm	810	810	810	810	
PERFORMANCE	5.1	Driving Speed (laden/unladen)		km/h	18/20	18/20	18/20	18/20
	5.2	Lifting Speed (laden/unladen)		m/s	0,49/0,51	0,49/0,51	0,47/0,52	0,47/0,52
	5.3	Lowering speed (laden/unladen)		m/s	0,6/0,3	0,6/0,3	0,6/0,3	0,6/0,3
	5.5	Drawbar pull (laden/unladen)		N	17	17	18	18
	5.8	Max. gradeability (laden/unladen)		%	20	20	20	20
	5.10	Service brake			Mech / Hydr	Mech / Hydr	Mech / Hydr	Mech / Hydr
ENGINES' DATA	7.1	Engine manufacturer/model			Mitsubishi S4S-474	Mitsubishi S4S-474	Mitsubishi S4S-474	Mitsubishi S4S-474
	7.2	Engine power acc. ISO1585		kW	35,3	35,3	35,3	35,3
	7.3	Rated Speed		1/min	2250	2250	2250	2250
	7.4	Cylinder n° / Displacement		n° / cm³	04/3331	04/3331	04/3331	04/3331
MISCELLANEOUS	10.1	Working pressure for accessory equipment		bar	17,5	17,5	17,5	17,5
	10.2	Oil volume for accessory equipment		l/min	60	60	70	70
	10.7	Sound pressure Level LpAZ (operator position, open cab)		dB(A)	79	79	79	79
	10.8	Towing coupling, DIN type			Pin	Pin	Pin	Pin

(*) the Rated lift stated includes the tyre deflection and tyre diameter tolerances

(**) values with standard forks; this values may vary

