

# FE16H/18H/20H

3 Wheel Electric Counterbalance



**ZOOMLION**

**LIFTING SOLUTIONS**

## 3 Wheel Electric Counterbalance

### No worries

DISTINGUISHING MARKS	1.1	Manufacturer			Zoomlion	Zoomlion	Zoomlion
	1.2	Manufacturer's type designation			<b>FE16H</b>	<b>FE18H</b>	<b>FE20H</b>
	1.3	Drive			Electric	Electric	Electric
	1.4	Operation			Seated	Seated	Seated
	1.5	Nominal load capacity	Q	kg	1600	1800	2000
	1.6	Load center distance	c	mm	500	500	500
	1.8	Load spacing	x	mm	403	403	403
	1.9	Wheel base	y	mm	1360	1360	1470
	2.1	Empty weight (incl. Battery)		kg	3170	3250	3360
WEIGHTS	2.2	Axle loading, laden	front/rear	kg	4260/490	4590/460	5020/430
	2.3	Axle loading, unladen	front/rear	kg	1600/1590	1590/1680	1680/1680
	3.1	Tyres			Solid tyre	Solid tyre	Solid tyre
TYRES/CHASSIS	3.2	Tyres size	front		18X7-8	18X7-8	200/50-10
		Tyres size	rear		15X4.5-8	15X4.5-8	15X4.5-8
	3.5	Wheels, number (x = driven)			2x / 2	2x / 2	2x / 2
	3.6	Tread (front/rear)	b10/b11	mm	920/180	920/180	960/180
	4.1	Tilt of mast / Fork carriage (+ = forward)		°	+6 / -6.5	+6 / -6.5	+6 / -6.5
BASIC DIMENSIONS	4.2	Height with mast lowered	h1	mm	2020	2020	2020
	4.3	Free lift	h2	mm	85	85	85
	4.4	Rated lift (*) (**)	h3	mm	3000	3000	3000
	4.5	Height with mast extended	h4	mm	4024	4024	4024
	4.7	Height above cabin roof	h6	mm	2050	2050	2050
	4.8	Seat height in terms of SIP	h7	mm	890	890	890
	4.9	Couplings height	h10	mm	455	455	455
	4.19	Overall length (without forks)	l1	mm	2885	2885	2995
	4.20	Length including fork backs	l2	mm	1960	1960	2074
	4.21	Overall width	b1	mm	1090	1090	1170
	4.22	Fork dimensions	s/e/l	mm	35/100/920	35/100/920	35/100/920
	4.23	Fork carriage ISO2328, class/type A,B			ISO II /A	ISO II /A	ISO II /A
	4.24	Fork carriage width	b3	mm	970	970	970
	4.31	Ground clearance under mast	m1	mm	90	90	90
	4.32	Ground clearance wheel base center	m2	mm	90	90	90
	4.34.1	Working aisle width with pallet 1000 x 1200 crossways	Ast	mm	3299	3299	3406
	4.34.2	Working aisle width with pallet 800 x 1200 lengthways	Ast	mm	3426	3426	3533
4.35	Turning radius	Wa	mm	1575	1575	1680	
PERFORMANCE	5.1	Driving speed (laden/unladen)		km/h	13/14	13/14	13/14
	5.2	Lifting speed (laden/unladen)		m/s	0,32/0,40	0,32/0,40	0,30/0,39
	5.3	Lowering speed (laden/unladen)		m/s	0,405/0,40	0,405/0,40	0,405/0,40
	5.5	Drawbar pull (laden/unladen)		kN	13,7	13,7	13,7
	5.8	Max. gradeability (laden/unladen)		%	12/15	12/15	12/15
	5.10	Service brake			Hydraulic	Hydraulic	Hydraulic
ENGINES' DATA	6.1	Drive motor, output with S3 = 60 min.		kW	4.8x2	4.8x2	4.8x2
	6.2	Lifting motor rating at S3=15%		kW	11	11	11
	6.3	Battery according to DIN 43531/35/36 A,B,C, no			43531 A	43531 A	43531 A
	6.4	Battery Voltage	U	V	48	48	48
	6.4.1	Battery capacity K5		Ah	500	500	600
	6.5	Battery weight		kg	880	880	955
	6.6	Energy consumption 60 VDI combustion cycles/hour		kWh/h	3,4	3,8	4
MISCELLANEOUS	10.1	Working pressure for accessory equipment		bar	14,5	17,5	17,5
	10.2	Oil volume for accessory equipment		l/min	20	20	20
	10.7	Sound pressure Level LpAZ (operator position, open cab)		dB(A)	≤75	≤75	≤75
	10.8	Trailer coupling, item/DIM type			Pin	Pin	Pin

- (\*) The nominal lift stated includes the tyre deflection and tyre diameter tolerances  
 (\*\*) Values with standard forks; these values may vary

