

Characteristics	model		DB12-R1	DB16-R1	DB20-R1
	drive		battery	battery	battery
	operator type		walkie	walkie	walkie
	load capacity	Q(kg)	1200	1600	2000
	load centre	c(mm)	600	601	602
	front overhang	x(mm)	651	701	702
	wheel base	Y(mm)	1275	1325	1326
weight	capacity(with battery)	kg	1260	1340	1341
	axle loading , unladen(front/rear)	kg	860/1600	1140/1800	1260/2080
	axle loading , laden(front/rear)	kg	820/440	920/420	920/420
wheels chassis	tyres type		polyurethane	polyurethane	polyurethane
	wheel size (front)		φ230×75	φ230×76	φ230×77
	wheel size (rear)		φ80×93	φ80×70	φ80×71
	additional wheels		φ125×50	φ125×51	φ125×52
	wheels , number front/rear (x = driven wheels)		1x+2/2	1x+2/4	1x+2/5
	track width (front)	b10(mm)	620	621	622
	track width (rear)	b11(mm)	385/500	385/501	500
dimentions	closed mast height	h1(mm)	2030	2031	2032
	lifting height	h3(mm)	3000	3001	3002
	height ,mast extended	h4(mm)	3550	3551	3552
	height of tiller in driving position min/max	h14(mm)	1042/1410	1042/1411	1042/1412
	height ,fork lowered	h13(mm)	86	87	90
	length	l1(mm)	2054	2055	2056
	length to face of forks	l2(mm)	904	905	906
	width	b1(mm)	850	851	852
	fork dimentions	s/e/l(mm)	60/185/1150	60/185/1151	60/185/1152
	width across forks	b5(mm)	570/685	570/686	685
	ground clearance centre of wheelbase	m2(mm)	29	30	31
	aisel width, pallet 1000x1200(1200crossways)	Ast(mm)	2465	2504	2505
	aisel width, pallet 800x1200(1200lengthways)	Ast(mm)	2398	2437	2438

	turning radius	Wa(mm)	1559	1598	1599
Dimensions	travel speed , laden/unladen	Km/h	5/5.5	5/5.6	5/5.7
	lifting speed laden/unladen	m/s	0.1/0.15	0.13/0.18	0.08/0.12
	lowering speed , laden/unladen	m/s	0.08/0.18	0.13/0.18	0.13/0.18
	max.grade ability, laden/unladen	%	08-dic	06-oct	04-oct
	service brake		electromagnetic	electromagnetic	electromagnetic
motor	drive motor power	kW	1.5(AC)	1.6(AC)	1.7(AC)
	lift motor power	kW	2.2(DC)	3(DC)	4(DC)
	battery voltage/rated capacity	V/Ah	24/210	24/285	24/286
	battery weight	kg	205	260	261
others	type of dirve control		AC	AC	AC
	soundlevel at the driver's sear according to DIN12053	dB(A)	70	71	72