

■ Electric Stacker, Standing Operation DB12/16/20-R1

AC Driving

- Lifting electronic limit switch
- Electric power steering system
- Emergency power off switch
- Shock-absorber type pedal
- Automatic deceleration at the high position
- Side way battery with roll-out system
- Turning automatic speed limit function
- Three kinds deceleration model
- The gear pump is made in Italy



Safe & Efficient

- Double lines solenoid valve, three kinds deceleration model.
- Curtis driving and steering controller, more stable and efficient.
- With lifting limit switch to shut off pump motor at the max. lifting height.
- AC stepless motor, more powerful, lower-noise and safer.

Excellent performance

- The damping effect is better because the drive unit adopts loading type design.
- Owning electromagnetic regenerative dual braking system.

- Emergency reversing device, emergency switch, EPS equipped handle to be effortless.
- There are standing, walkie, low running speed and limit speed function at overhead to meet kinds working condition.

Comfortable & practical

- Turning automatic speed limit function improve the operation comfort.
- AC Motor eliminates replacement of carbon brush.
- Large removable pedal with shock absorption function, operating space and driving comfort.
- Adjusted performance make the driving be smooth and comfortable.

■ 2-STAGE STANDARD MAST

Lift mm	Carrying capacity			Portal frame height	
	DB12	DB16	DB20	Lowered (mm)	Mast Extended (mm)
2000	1200	1600	2000	1530	2545
2500	1200	1600	1800	1780	3045
3000☆	1200	1600	1600	2030	3545
3300	1000	1400	1400	2180	3845
3500	850	1300	1300	2280	4045
3700	750	1100	1150	2380	4245
4000	600	1000	1000	2580	4545
4200	/	850	850	2680	4745

■ 2-STAGE FULL FREE MAST

Lift mm	Carrying capacity		Portal frame height		Free lift mm
	DB16	DB20	Lowered (mm)	Mast Extended (mm)	
2500	1600	1800	1780	3050	1265
3000☆	1600	1600	2030	3550	1515
3300	1400	1400	2180	3850	1665
3700	1100	1150	2380	4250	1865

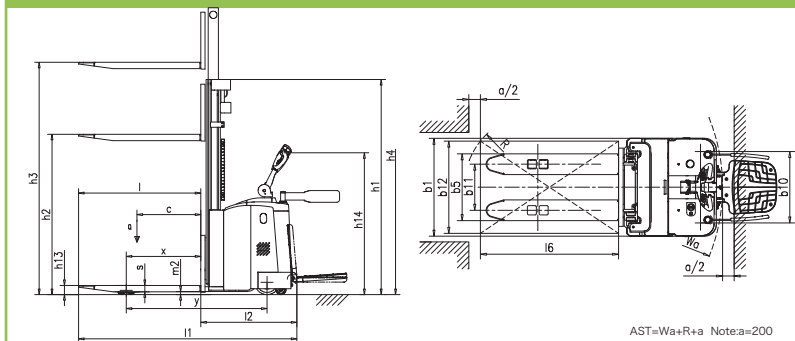
■ 3-STAGE FULL FREE MAST

Lift mm	Carrying capacity		Portal frame height		Free lift mm
	DB16	DB20	Lowered (mm)	Mast Extended (mm)	
3600	1150	1200	1785	4100	1315
4000	1000	1000	1920	4500	1450
4200	900	900	1985	4700	1515
4500	700	700	2085	5000	1615
4700	600	600	2150	5200	1680
5000	500	500	2250	5500	1780

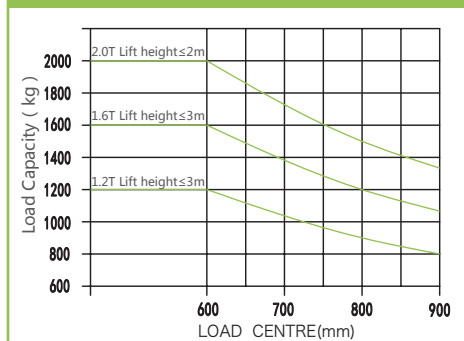
Note : the data with☆ on this list is as option.

IDENTIFICATION		DB12-R1	DB16-R1	DB20-R1
Load Capacity/rated load	Q(kg)	1200	1600	2000
Load centre distance	c(mm)	600	600	600
Load distance	x(mm)	651	701	701
Wheelbase	Y(mm)	1275	1325	1325
WEIGHT				
Service weight (including battery)	kg	1260	1340	1340
Axle loading, laden, front/rear	kg	860/1600	1140/1800	1260/2080
Axle loading, unladen, front/rear	kg	820/440	920/420	920/420
WHEEL CHASSIS				
Tyres Type	-	polyurethane	polyurethane	polyurethane
Wheel size, front	-	φ 230×80	φ 230×80	φ 230×80
Wheel size, rear	-	φ 80×93	φ 80×70	φ 80×70
Additional wheels	-	φ 125×50	φ 125×50	φ 125×50
Wheels, number front/rear (x=driven wheels)	-	1x+2/2	1x+2/4	1x+2/4
DIMENSIONS				
Height of tiller, in drive position, Min. /Max.	h14(mm)	1042/1410	1042/1410	1042/1410
Height, fork lowered	h13(mm)	86	86	90
Overall length	l1(mm)	2054	2054	2054
Length to face of forks	l2(mm)	904	904	904
Overall width	b1(mm)	850	850	850
Fork dimensions	s/e/l(mm)	60/185/1150	60/185/1150	60/185/1150
Fork-carriage width	b5(mm)	570(685)	570(685)	685
Ground clearance ,Centre of wheelbase	m2(mm)	29	29	29
Aisle width for pallets 1000x1200 crossways	Ast(mm)	2465	2504	2504
Turning radius	Wa(mm)	1559	1598	1598
PERFORMANCE				
Travel speed, laden/unladen	Km/h	5/5.5	5/5.5	5/5.5
Lift 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	0.08/0.18	0.085/0.18
Max. gradeability, laden/unladen	%	8/12	6/10	4/10
Service brake	-	Electromagnetic brake	Electromagnetic brake	Electromagnetic brake
MOTOR				
Drive motor power	kW	1.5(AC)	1.5(AC)	1.5(AC)
Lift motor power	kW	2.2(DC)	3(DC)	3(DC)
Battery voltage/rated capacity	V/Ah	24/210	24/285	24/285
Sound level at the driver's ear according to DIN12053	dB(A)	70	70	70

MACHINE 2D GRAPH



CAPACITY CHART



The company reserves the right to modify the provision of parameters, such as a change without notice.