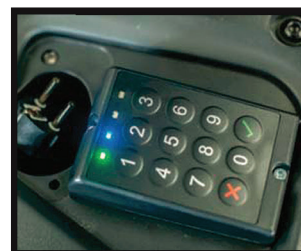




REMA Control Handle



Pin Code Access Panel (OPTIONAL)



Multi-Function Instrument Panel



Electric Power Steering (EPS)

CBSN SERIES

COUNTER BALANCE STACKER

CAPACITY RANGE: 1980-4000 LBS

- FEATURES:** Adjustable Fork: 8.67" - 29.93" • Standard Fork Length: 37.4" • Battery: 24V/270Ah | Charger: 24V/35A • Integrated Design Ride-on Platform
- Compact Design (small turning radius) • Highly Stable & Safer Overall Mast Structure (move forward/backward movement)
 - Side Battery Extraction (fast & efficient) • Full Proportional Lifting • Multi-function Instrument Panel • REMA Handle (ergonomic control system)
 - Powerful "Schabmuller" AC Drive Motor • KORDEL Gearbox • Rader Vogel or Wicke Drive Wheels • Zapi Controller
- OPTIONS:** 45"/48"/54"/60" Fork Length • 24V/200Ah Lithium Battery & 24V/80A Charger (Fast charging/maintenance-free)
- 350Ah Battery / 45A Charger (for CBS30N and CBS33N) • PIN-Code Panel Access

MODELS: CBS20N / CBS30N / CBS33N / CBS40N

Designation	Lowered Mast Hgt	Free Lift Hgt	Lift Hgt (h3)	Extended Mast Hgt	Lift + Fork Hgt (h3 + h13)
SINGLE STAGE MAST	86	-	63	96	65
2 STAGE MAST	73	-	98	132	101
	83	-	118	152	120
	87	-	126	159	128
	94	-	142	175	144
3 STAGE MAST FFL (Full-Free-Lift)	102	-	157	191	160
	71	47	142	175	144
	76	52	157	191	160
	80	56	169	203	172
	83	59	177	211	180

DIMENSIONS IN INCHES

RESIDUAL LIFT MAST: 177"

h3 (in) p (lbs)

177	1984	1323
169	2205	1543
157	2646	1984
142	3086	2425
130	3527	2866

C (inches) 19.7" 23.6"



1980-4000 **lbs** CAPACITY **↑** 177" LIFT HGT

CBSN SERIES COUNTER BALANCE STACKER

Model		CBS20N	CBS30N	CBS33N	CBS40N
Power		Battery			
Operator Type		Pedestrian			
Load Capacity	(Q) lbs	1980	3000	3300	4000
Load Center Distance	(C) in	23.6			
Load Distance (center of drive axle to load wheel)	(x) in	6			
Wheel Base	(y) in	53.1	57.1	66.9	
Service Weight	lbs	4763	4980	5390	5610
Axle Loading – Laden (Front / Rear)	lbs	1067 / 5676	905 / 6934	1267 / 7423	1147 / 9463
Axle Loading – Unladen (Front / Rear)	lbs	2167 / 2596	2383 / 2596	2724 / 2666	2944 / 2666
Tires (Front / Rear)		Polyurethane			
Tire Size, Front	(Øxw) in	Ø9.84x3.22			
Tire Size, Rear	(Øxw) in	Ø9.05x3.93			
Wheels, number front/rear (x=driven wheels)		1x/2			
Track, Front	(b10) in	-			
Track, Rear	(b11) in	39			
Tilt of Mast/Fork Carriage Forward/Backward	α/β(°)	1.5 / 3.5			
Lowered Mast Height	(h1) in	83			
Free Lift Height	(h2) in	59			
Lift Height	(h3) in	177			
Extended Mast Height	(h4) in	210			
Height of Tiller in Drive Position (Min / Max)	(h14) in	38 / 54			
Height, Lowered	(h13) in	2.36			
Overall Length	(l1) in	106	109	120	
Length to Face of Forks	(l2) in	69	72	78	
Overall Width	(b1) in	43			
*Fork Dimensions (Standard Fork Length: 37.4")	(s/e/l) in	1.37 / 3.93 / 45.27		1.57 / 4.72 / 45.27	
Distance Between Fork Arms	(bs) in	8.66 – 29.92			
Ground Clearance (center of wheelbase)	(m2) in	2.04			
Aisle Width for Pallets 1000 X 1200 crossways	(Ast) in	122	126	132	
Aisle Width for Pallets 800 X 1200 lengthways	(Ast) in	127	130	136	
Turning Radius	(Wa) in	63	67	73	
Travel Speed – Laden / Unladen	mph	4.35 / 4.97		3.72 / 4.35	
Lift Speed – Laden / Unladen	fpm	27.56 / 39.37	23.62 / 39.37	19.68 / 39.37	
Lowering Speed – Laden / Unladen	fpm	49.21 / 39.4	59.05 / 39.37	62.99 / 39.37	
Max. Gradeability – Laden/ Unladen	%	6 / 15			
Service Brake		Electromagnetic			
Drive Motor Rating S2 60min	HP	3.48			
Lift Motor Rating at S3 10%	HP	4.29			
Battery acc. to DIN 43531/35/36 A, B, C, no		DIN			
Battery Voltage, nominal capacity K5	V/Ah	24 / 270		24 / 350	
Battery Weight	lbs	515		693	
Energy Consumption acc. to VDI cycle	kWh/h	1.8	1.88	1.9	
Type of Drive Control		AC – Speed Control			
Sound Level at driver's ear acc. to EN 12053	db(A)	68			

*Because of continual product improvements, specifications may be subject to change without notice

