

# BINGO

S E R I E N *plus*



**Saloon  
comfort.**

**Coupé  
performance.**

**Off-road vehicle  
strength.**

**Custom-made  
design.**

**BINGO** **163**  
S E R I E N *plus*

**BINGO** **183**  
S E R I E N *plus*

**More handsome,  
more economical,  
more functional.**

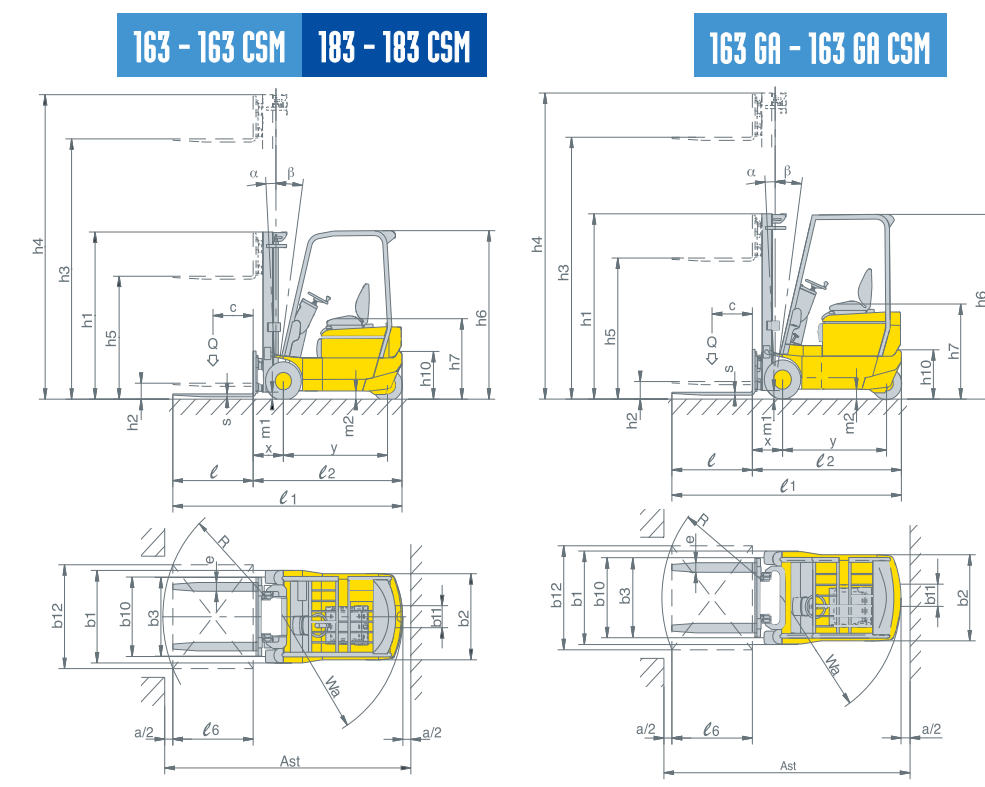
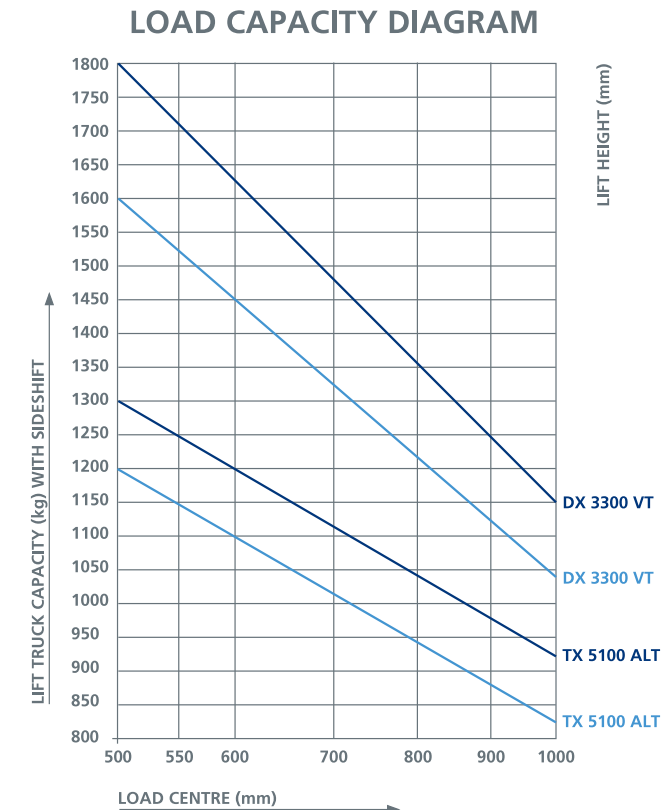
# **MONTINI**

Technology without problems

# MORE COMFORT, MORE PERFORMANCE, MORE AUTONOMY. WHAT ELSE COULD WE OFFER?

BINGOplus N		163	163 CSM	163 GA	163 GA CSM	183	183 CSM
CHARACTERISTICS	1.1 Manufacturer	MONTINI	MONTINI	MONTINI	MONTINI	MONTINI	MONTINI
	1.2 Model	BINGOplus N	BINGOplus N	BINGOplus N	BINGOplus N	BINGOplus N	BINGOplus N
	1.3 Power unit: electric, diesel, petrol, L.P. gas, electric mains	electric	electric	electric	electric	electric	electric
	1.4 Drive type: hand, pedestrian, stand-on, sit-on, order picker	sit-on	sit-on	sit-on	sit-on	sit-on	sit-on
	1.5 Capacity/Load	1.6	1.6	1.6	1.6	1.8	1.8
	1.6 Load centre	500	500	500	500	500	500
	1.8 Load distance	375	375	375	375	375	375
	1.9 Wheelbase	1295	1295	1295	1295	1476	1476
	1.5 Capacity/Load						Q (t)
1.6 Load centre						c (mm)	
1.8 Load distance						x (mm)	
1.9 Wheelbase						y (mm)	
WEIGHTS	2.1 Weight	3030	3030	3300	3300	3210	3210
	2.2 Axle loading, front/rear: laden	4131 / 499	4131 / 499	4332 / 568	4332 / 568	4492 / 518	4492 / 518
	2.3 Axle loading, front/rear: unladen	1450 / 1580	1450 / 1580	1650 / 1650	1650 / 1650	1625 / 1585	1625 / 1585
EQUIPMENT	3.1 Tyres: superelastic (SE), cushion (C), pneumatic (PN)	SE / C / PN	SE / C / PN	SE / C / PN	SE / C / PN	SE / C / PN	SE / C / PN
	3.2 Tyre size, front	18x7-8	18x7-8	18x7-8	18x7-8	18x7-8	18x7-8
	3.3 Tyre size, rear	15x4 1/2-8	15x4 1/2-8	15x4 1/2-8	15x4 1/2-8	15x4 1/2-8	15x4 1/2-8
	3.5 Wheels: number front/rear (x=driven wheel)	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	3.6 Track width, front	914	914	914	914	914	914
	3.7 Track width, rear	176	176	176	176	176	176
	3.6 Track width, front						b10 (mm)
3.7 Track width, rear						b11 (mm)	
BASIC DIMENSIONS	4.1 Max. tilt of mast/fork carriage forward/backward ( $\alpha$ - $\beta$ )	3° / 8°	3° / 8°	3° / 8°	3° / 8°	3° / 8°	3° / 8°
	4.2 Lowered mast height	2165	2165	2165	2165	2165	2165
	4.3 Free lift	-	-	-	-	-	-
	4.4 Lift height	3300	3300	3300	3300	3300	3300
	4.5 Extended mast height	3850	3850	3850	3850	3850	3850
	4.7 Overhead guard height	1965	1965	2125	2125	1965	1965
	4.8 Seat height	895	895	1052	1052	895	895
	4.12 Tow coupling height	560	560	560	560	560	560
	4.19 Overall length	2852	2852	2852	2852	3033	3033
	4.20 Length to face of forks	1852	1852	1852	1852	2033	2033
	4.21 Overall width	1070 / 995	1070 / 995	1070 / 995	1070 / 995	1070 / 995	1070 / 995
	4.22 Forks dimensions	35 / 100 / 1000	35 / 100 / 1000	35 / 100 / 1000	35 / 100 / 1000	35 / 130 / 1000	35 / 130 / 1000
	4.23 Fork carriage ISO 2330, class/type A, B	ISO 2A	ISO 2A	ISO 2A	ISO 2A	ISO 2A	ISO 2A
	4.24 Min. fork carriage width	910	910	910	910	910	910
	4.31 Ground clearance, under mast, laden	85	85	85	85	85	85
	4.32 Ground clearance, centre of wheelbase, laden	110	110	110	110	110	110
4.33 Aisle width for pallets 1000x1200 (l6xb12), stacking side 1200	3061	3061	3061	3061	3239	3239	
4.34 Aisle width for pallets 800x1200 (b12xl6), stacking side 800	3261	3261	3261	3261	3439	3439	
4.35 Turning radius	1486	1486	1486	1486	1664	1664	
4.36 Distance from turning centre and truck centre axis	0	0	0	0	0	0	
PERFORMANCE DATA	5.1 Travel speed, laden/unladen	15 / 16	15 / 16	15 / 16	15 / 16	15 / 16	15 / 16
	5.2 Lift speed, laden/unladen	0.37 / 0.48	0.37 / 0.48	0.37 / 0.48	0.37 / 0.48	0.32 / 0.48	0.32 / 0.48
	5.3 Lowering speed, laden/unladen	0.52 / 0.50	0.52 / 0.50	0.52 / 0.50	0.52 / 0.50	0.52 / 0.50	0.52 / 0.50
	5.5 Drawbar pull, laden/unladen	3090 / 3335	3090 / 3335	3090 / 3335	3090 / 3335	3010 / 3255	3010 / 3255
	5.6 Max. drawbar pull, laden/unladen	8171 / 8338	8171 / 8338	8171 / 8338	8171 / 8338	8091 / 8258	8091 / 8258
	5.7 Gradeability, laden/unladen	7.5 / 14	7.5 / 14	7.5 / 14	7.5 / 14	7 / 14	7 / 14
	5.8 Max. gradeability, laden/unladen	20 / 30	20 / 30	20 / 30	20 / 30	19 / 30	19 / 30
	5.9 Acceleration time, laden/unladen	4.2 / 3.7	4.2 / 3.7	4.2 / 3.7	4.2 / 3.7	4.2 / 3.7	4.2 / 3.7
	5.10 Service brake	hydraulic/electric	hydraulic/electric	hydraulic/electric	hydraulic/electric	hydraulic/electric	hydraulic/electric
	ELECTRIC MOTOR	6.1 Traction motor rating S2 60'	2x3.8	2x3.8	2x3.8	2x3.8	2x3.8
6.2 Lift motor rating S3 15%		11	11	11	11	11	11
6.3 Battery according to DIN 43531 A		DIN 43531 A	DIN 43531 A	DIN 43531 A	DIN 43531 A	DIN 43531 A	DIN 43531 A
6.4 Rated voltage/capacity 5h		48 / 460-500	48 / 460-500	48 / 560-640	48 / 560-640	48 / 575-750	48 / 575-750
6.5 Battery weight, min./max.		673 / 789	673 / 789	894 / 990	894 / 990	955 / 1100	955 / 1100
6.6 Energy consumption according to VDI cycle		-	-	-	-	-	-
OTHER	8.1 Type of electronic control	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER
	8.2 Operating pressure for attachments	150	150	150	150	150	150
	8.3 Oil flow for attachments	-	-	-	-	-	-
	8.4 Sound level at driver's ear	< 80 db (A)	< 80 db (A)	< 80 db (A)	< 80 db (A)	< 80 db (A)	< 80 db (A)
	8.5 Tow coupling, model/type	-	-	-	-	-	-

BINGOplus N **163** **183**



① Optional cushion tyres 457x152-308 - ② Optional cushion tyres 356x114-230.2 - ③ With cushion tyres 918 - ④ With cushion tyres 183 - ⑤ With cushion tyres 1070/995 - ⑥ Ast = Wa + x + l6 + a (a = 200 mm.)  
 ⑦ Other battery capacities upon request. All products manufactured by Montini comply with Machine Directive 2006/42/EC and Directives 2006/95/EC and 2004/108/EC.



# MORE PERFORMANCE, MORE COMFORT, MORE AUTONOMY.

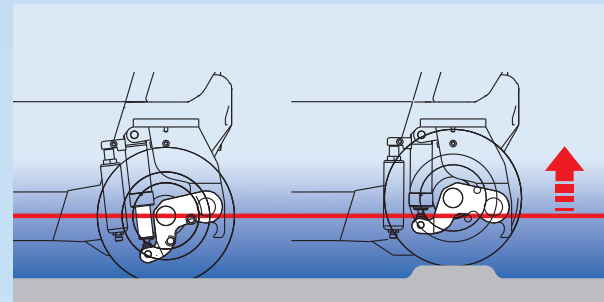
## CSM - COMFORT SECURITY MONTINI. THE ONLY LIFT TRUCK IN THE WORLD WITH SHOCK ABSORBERS.

Montini, always attentive to the national and international safety regulation, is the only manufacturer in the world to have designed and patented the suspension system for forklift trucks:

hydropneumatic suspension on the rear steering wheels, aimed at increasing lateral stability and considerably reducing shocks and vibrations transmitted to the driver and to the lift truck.

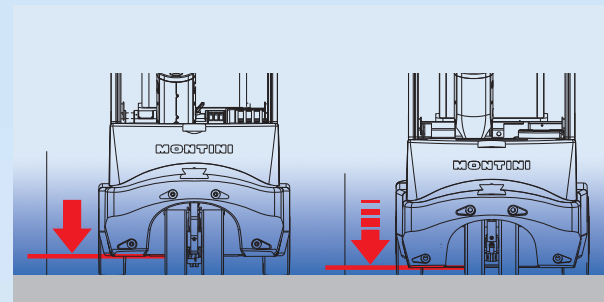


## AN UNBEATABLE COMFORT.



When the truck is running on uneven surface, the suspension reduces by 20% the vibrations transmitted to the driver's body. Effort and occupational diseases are reduced this way. In addition, the suspension reduces those tensions, vibrations and shocks that cause damage to the mechanical and electrical components.

## MORE SPEED, MORE STABILITY, MORE SAFETY.



When the speed exceeds 12 km/h, a microprocessor operates the suspension lowering.

## INNOVATIVE SHAPE AND DESIGN FOR MORE EFFECTIVE AND EASIER WORK.

The innovative shapes of the BINGOplus N forklift truck offer great advantages.

- Overhead guard with slits for maximum visibility when handling loads at medium and big lifts.
- Rear stop lights, reversing lights and reflector to make the truck visible also in not very well-lit environments.
- Functional holder.
- Rounded shaped chassis and overhead guard.

## And in addition, a wide range of customized products.

- Working lights, indicators, rear-view mirrors and various accessories.
- Pedalboards.
- Special tyres and tracks.
- Fast couplings for auxiliary attachment.
- Weighing systems.
- Overhead guard version for drive-in.
- Customized painting.



## SUPER BATTERY, SUPER WORKING LIFE.



The model BINGOplus N 163 GA can be equipped with battery up to 48V/640Ah.  
The model BINGOplus N 183 can be equipped with battery up to 48V/750Ah.

## AC TWIN-MOTOR. LESS COSTS, MORE EFFICIENCY, MORE AUTONOMY. WITH TOTAL RESPECT FOR THE ENVIRONMENT.



Twin-motor traction and lift motor with MONTINIplus electronic technology in Alternating Current (AC).

### Advantages:

- maintenance-free;
- reduction of trucks' operating costs;
- greater reliability and efficiency;
- higher motor performance;
- longer battery autonomy;
- no emissions of pollutants into the atmosphere, respecting environmental quality.

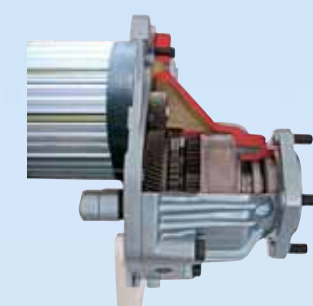


## THE LIFTING UNIT THAT MAKES WORKING EASIER.

The mast with 2 ton "C" profiles, entirely designed and manufactured by Montini, is machined and hand-ground, one by one, to obtain maximum smoothness, greater stability and safety in big lift heights.

- Sideshift integrated in the fork carriage.
- Sideshift with grease nipples for easier sliding shoes lubrication.
- A broad range of masts, available in DX and TX versions, with total visibility (VT) or with full free lift (ALT), to meet the most varied working requirements and to offer a safe, steady and fast load capacity.
- Excellent visibility in any working condition.

## SAFER AND QUIETER BRAKING WITH OIL BATH BRAKES.



- Reduced wear of components.
- Greater reliability.
- Lower maintenance costs.
- Possibility of using the truck in aggressive environments.

## BETTER JOYSTICK ERGONOMICS, MORE PRODUCTIVE WORK.



- Joystick with 3 or 4 hydraulic functions.
- As standard, all lifting unit functions are deactivated when the driver is not in the correct operating position.
- Maximum productivity through the use of two operative functions at the same time to the lifting unit.
- Higher lowering speed for the lifting unit, laden and unladen.

## SPECIAL EQUIPMENT.



FOR AREAS  
OF EXPLOSION  
AND FIRE  
DANGER.



FOR COLD  
STORES.



FOR  
OCCASIONAL  
ROAD DRIVING.

## INNOVATIVE COMFORT.

### Optional accessories of Grammer seat "Primo L"



### Standard Grammer seat "Primo M"



- New-concept design for the seat. Seat kit with armrests, headrest, PVC or fabric cover, also available with heating system.
- Standard PVC seat "Primo M", which reduces vibrations to the driver's body.

## DESIGNED TO BE FITTED WITH CAB.



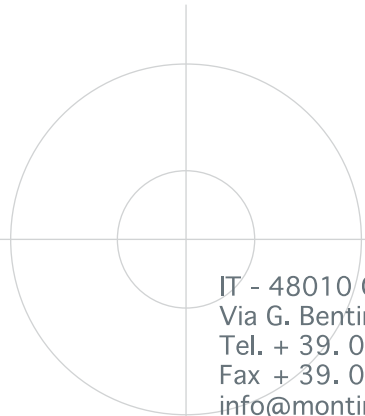
Made of special sections, the overhead guard has been designed to be easily fitted with cab at any time, without modifying or replacing the original structure. The forklift truck may be fitted with a cab:

- with complete glass panelling;
- with front and rear windows, PVC side doors and lexan plate on the overhead guard;
- with or without heating system.

## STEERING-WHEEL WITH 2 ADJUSTMENTS: HEIGHT AND TILT.







# **MONTINI**

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