



CT231 Technical Specifications

Version		BT 90	BT 105
Electrical system	Voltage	36 V	
	Battery capacity (Ah / C5)	320 Ah 6 V x 6	
	Running time	~ 5 h	
	Battery level indicator	Voltage level on the LCD display	
	Low battery protection	Brush stop	
Scrubbing head	Scrubbing width	897 mm	1049 mm
	Number of disk brushes	2	
	Brush diameter	Ø 460 mm - Ø 18"	Ø 530 mm - Ø 21"
	Brush speed	200 rpm	
	Brush head adjustment	Electro-mechanical actuator	
	Maximum pressure	4,50 gr/cm ² - 0,16 oz/in ²	
	Raising system	Electro-mechanical actuator	
	Motors power	400 W	500 W
	Number of motors	2	
	Transmission	Gear box	
Productivity		6458 m ² /h - 69518 ft ² /h	7553 m ² /h - 81298 ft ² /h
Brush (standard)	Material	Standard type - Nylon	
	Bristle section	Ø 0,5 mm / Ø 0,02 in	
	Brush connection	Automatic - Without the use of tools	
	Brush disconnection	Automatic - Without the use of tools	
Solution tank	Capacity	218 Liters / 57,58 Gal	
	Material	High density polythene	
	Filter	Removable stainless steel cartridge	
	Water flow adjustment	6 Levels on manual or automatic adjustment + solenoid valve	
	Discharge hole	Ø 30 mm Hose	
Recovery tank	Capacity	237 liters / 62,60 Gallon	
	Material	High density polythene	
	Discharge hose	Ø 50 mm hose	
Vacuum	Vacuum motor power	650 W	
	Stage	2	
	Value in water column	1800 mm (H ₂ O) / 70,9 in (H ₂ O)	
	Max air flow	37 liters/s - 9,8 Gal/s	
	Motor position	Fixed to recovery tank - Lower area	
	Motor accessibility	Open the recovery tank	
	Motor protection filter	Polyester net	
	Type of float	Electronic float with vacuum motor stop	
Squeegee	Shape	"V" type	
	Width	1180 mm / 46,45 in	1380 mm / 54,33 in
	Mainbody material	Cataphoresis treatment + Painting	
	Blade material	Standard Latex - Polyurethane optional	
	Pressure adjustment	Two easily adjustable independent wheels	
	Raising system	Electro-mechanical actuator	
	Blade replacement	Without the use of tools	



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Traction	Traction system	Front traction motor wheel + electronic card			
	Operated	Accelerator pedal			
	Forward speed	Yes			
	Reverse gear speed	Yes			
	Speed adjustment	Accelerator pedal + Ausiliary potentiometer on dash board			
	Maximum speed	7,2 km/h - 4,47 mph			
	Maximum climbing angle	16%			
	Motor power	560 W			
Wheels	Front	1			
	Type	Fastened on the traction motor wheel			
	Diameter	Ø 300 mm / Ø 11,8 in			
	Material	Polyurethan - Non marking and non skid rubber			
	Rear	2			
	Type	Fastened on the rear axle			
	Diameter	Ø 300 mm / Ø 11,8 in			
	Material	Polyurethan - Non marking and non skid rubber			
Steering	External radius (Wall to Wall)	2310 mm / 90,94 in		2440 mm / 96,06 in	
Brakes	Service brake	Yes - Whit pedal			
	Parking brake	Yes - Whit pedal			
	Parking brake with signal	Yes			
Chassis	Material	Steel			
	Thickness	5 mm / 0,2 in			
	Paint treatment	Electro deposition coating and galvanised parts			
	Protection against impact	Rollers bumpers on squeegee and brush head Front and rear bumper			
Dimensions	Length	2006 mm / 78,98 in			
	Width (without squeegee)	1180 mm / 46,46 in		1376 mm / 54,17 in	
	Heigth	1508 mm / 59,37 in			
Battery dimensions (For the battery box contact the after-sales service)	Length	(with hopper) 604 mm / 23,8 in - 625 mm / 24,6 in (without hopper)			
	Width	(with hopper) 527 mm / 20,7 in - 545 mm / 21,5 in (without hopper)			
	Heigth	(with hopper) 445 mm / 17,5 in - 450 mm / 17,7 in (without hopper)			
Weigth	Without battery (empty tanks)	434 Kg / 956,81 lbs		450 Kg / 992,08 lbs	
	With battery (empty tanks)	824 Kg / 1816,61 lbs (320 Ah)		840 Kg / 1951,88 lbs (320 Ah)	
Maximum Pressure Wheels	Maximum weight machine (100 Roller) + solution tank full + operator 75 Kg				
	Weight front axle	500Kg / 1102,3 lbs			
	Pressure front axle	19,35 Kg/cm² - 275,6 lbs/in²			
	Weight rear axle	640 Kg / 1411 lbs			
	Pressure rear axle	11,64 Kg/cm² - 165,6 lbs/in²			



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Ergonomics	Traction	By pedal acceleration	
	Control raising squeegee	With push-button on the dash board	
	Seat	Yes comfortable	
	Controls	Easily comprehensible	
Safety systems	Emergency switch ▲	▲ emergency switch, on the dash board	
	Acoustic warning	In backward motion or turning on the machine	
	Total "Auto stop"	Auto power off system (operator not seated on)	
	"Auto stop" functions	Brush and vacuum after 3 sec accelerator pedal release	
	Horn	Yes - Push-button on the dash board	
	Beacon	Yes - On the recovery tank	
		All moving parts fully protected	
Accessories	Chem-dose - 15 Liters	Optional	
	On-board battery charger	—	
	Battery pack	Optional	
	Oil-resistant blades	Optional	
	Front bumper	Standard	
	Rear bumper	Standard	
Noise level	Guaranteed sonorous pow.	LWA,g dB (Measure not demanded)	
	Sonorous power	LpA 76 (dB) - (From operator ear)	
Vibration	Hand	$\leq 2,5 \text{ m/sec}^2$	
	Body	$\leq 0,5 \text{ m/sec}^2$	
Certification	European	CE	