



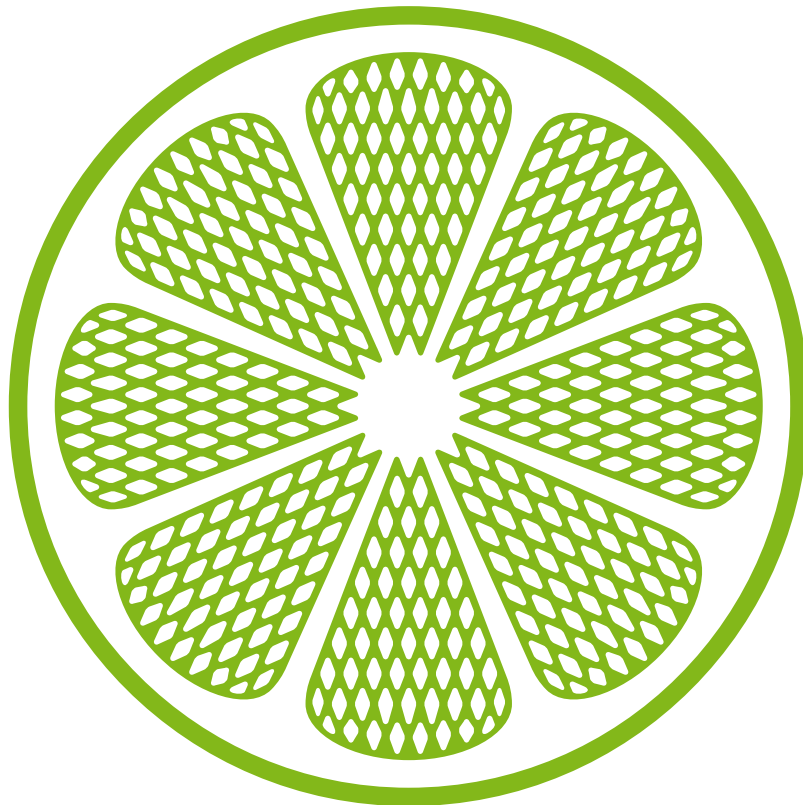
IPC Gansow



Sweepers - Catalogue Professional Line

IPC Integrated Professional Cleaning

IPC Integrated Professional Cleaning



Gansow is a division of the IPC Group.

IPC - Integrated- Professional Cleaning - was set up in 2005 following the merger of a number of leading companies in the professional cleaning sector, each specialising in a different market segment.

The size and international dimension of the new IPC group make it one of the world's leading producers of professional cleaning machines and equipment, with a vast range of prestigious products and brands.

IPC's aim is to capitalise on the experience and points of excellence present in the group, combining the benefits deriving from the size of

the organisation with the advantages of specialisation in the various sectors.

The new logo visually and symbolically identifies the values of belonging, specialisation, strength and innovation of IPC.

The logo, a cross-section of a technological lime, symbolises the natural link with the idea of cleanliness and at the same time represents a constant drive for research and innovation.

The rays of the segments open out from a single central driving force, emphasising the specific characteristics of the individual companies and at the same time their belonging to a system capable of bringing out the best of both the individual and collective dimension.

Gansow, a division of IPC, specialises in the floor care sector, producing motorised sweepers and scrubber driers for professional use. With more than 30 years experience, it has conquered the international market which today represents 80% of its total turnover.

Its firm commitment to research and constant efforts to improve its range, have led IPC Gansow to develop two product ranges: one line dedicated to the professional market and the other, a premium line for a more specialised and demanding market.

High quality, unquestionable performance and the service provided by its distribution network

make IPC Gansow a partner able to resolve all cleaning problems at any level. Capable of creating added value for the distributor and end user, in terms of both economic advantages and quality.

Research, the particular care taken over ergonomics and close study of market evolution enable IPC Gansow to produce machines which are safe to use, accompanied by a complete range of standard accessories to provide a full response to all the user's requirements, in respect of the environment.

IPC Gansow is UNI EN ISO 9001:2000 certified.



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Page 55

510M

Great Productivity



Huge hopper capacity

High Performance



Main brush pressure adjustment

Ergonomics, User Friendly



Easy to transport

Robust Construction



Heavy duty chassis in fully coated steel



Technical data		510 M
Max working width	mm	670
Main brush width	mm	490
Productivity (at max speed)	m ² /h	1750
Dirt container volume	l	24
Max dumping height	mm	-
Power supply		Manual
Filter surface	m ²	-
Electric filter shaker		-
Max speed	Km/h	-
Weight (net)	Kg	24
Dimensions (LxWxH)	mm	1300x920x920



Heavy duty chassis in fully coated steel

To ensure the highest reliability and endurance.



IPC

464/664

Great Productivity



Huge hopper capacity



Large sweeping path



Extensive filtering surface



464



664

High Performance



Pre-programmed working settings



SLS (Self Levelling System) automatic main brush pressure control

PATENTED



Main brush special "V" shape design



Dust micro filtration



Dust flap for large debris collection



Technical data		464	664
Max working width	mm	625	825
Main brush width	mm	400	600
Productivity (at max speed)	m ² /h	2000	2600
Dirt container volume	l	35	45
Max dumping height	mm	-	-
Power supply		Battery 12V Battery charger on board	Battery 12V Battery charger on board
Filter surface	m ²	1	1
Electric filter shaker		Automatic	Automatic
Max speed	Km/h	-	-
Weight (net)	Kg	38	41
Dimensions (LxWxH)	mm	1033x615x994	1033x815x994

464/664



Ergonomics, User Friendly



Easy to transport



Easy to use control panel



Adjustable handlebar



Battery level indicator



On board battery charger

Low Maintenance Costs



Self cleaning filter system



Dust filter replacement without tools



Main brush replacement without tools



Side brush replacement without tools

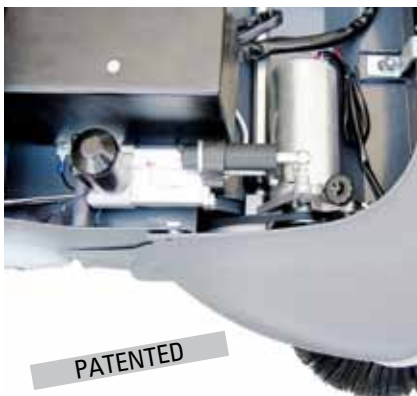
Robust Construction



Heavy duty chassis in fully coated steel



Maximum protection against impact



SLS (Self Levelling System) automatic brush pressure control

System that adapts immediately the brush thanks to a special shock absorber.

The system allows the brush:

- to immediately and constantly follow all types of surfaces
- to self adjust brush pressure until the brush is completely worn out.



Pre-programmed working settings

2 independent programs allow best settings for all types of applications. Filter shaker can be operated at any time. Each program can be fully personalized.



External battery charge plug

Charging cable stowed on top cover.



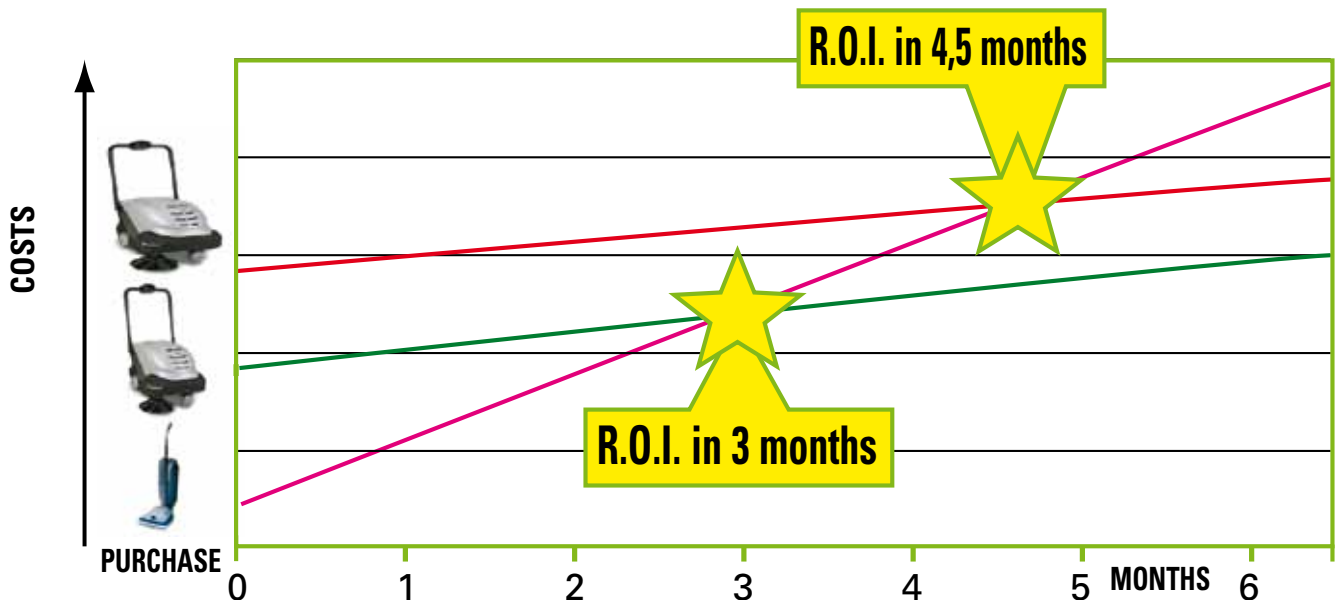
IPC

464 Carpet / 664 Carpet



The perfect solution for carpet cleaning

464 and 664 offer an innovative alternative to all traditional carpet cleaning systems in terms of performance and productivity.



Note: Calculation based on the average machine price, labour cost and a surface of 300 sqm that has to be cleaned 5 days a week.

464 Carpet / 664 Carpet



Carpet Cleaning Comparative Chart

Model	Price [?]	Waste Capacity	Cleaning Width [mm]	Cleaning Productivity	Noise Level [dB]	Power Supply	Maintenance Costs	Cleaning Cost per Sqmt (3 years)
		4	300 - 400	200 Sqmt	65dB	Mains 220V	Medium	
		35	510	1800 Sqmt	55dB	Battery	Low	
		45	600	2700 Sqmt	55dB	Battery	Low	



Great Sweeping Performance on Carpet Flooring

With a large diameter brush having 20,000 bristles per brush formed in a special "V" shape, efficient removal and collection of dust and debris is achieved. Rotating at high rpm, the brush beats the dust out of the carpet ensuring excellent cleaning and maintenance of all carpeted surfaces.

With bristles of differing thickness, a variety of dust and debris is collected in the waste bin. For sand and earth, harder thicker bristles ensure that this type of soiling is collected, whilst soft thinner bristles achieve effective removal and collection of light dust and soiling.



Dust micro filtration

Filter with incorporated rubber gasket for maximum control of dust. Pre-filter also equipped to catch large fibres.



Designed to assure minimum noise levels

Low noise electrically powered vacuum fan.

Ecol 65/Ecol 85



Ecol 65



Ecol 85

Great Productivity



Huge hopper capacity



Large sweeping path



Extensive filtering surface (cartridge filter)

High Performance



Main brush special "V" shape design



Dust micro filtration



Main and side brushes pressure adjustment

Ergonomics, User Friendly



Easy to transport



Easy to use control panel



Great visibility whilst working



Battery level indicator

Low Maintenance Costs



Easy to access to motor compartment

Robust Construction



Heavy duty chassis in fully coated steel



Panel control switches protected



Ecol 65/Ecol 85



Easy access to internal compartments



Maximum brush wear saving

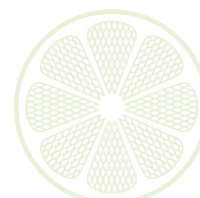
Main brush pressure is easily adjusted.



Cartridge filter



Technical data		Ecol 65	Ecol 85
Max working width	mm	700	900
Main brush width	mm	500	700
Productivity (at max speed)	m ² /h	2500	3200
Dirt container volume	l	30	40
Max dumping height	mm	-	-
Power supply		Battery 12V	Battery 12V
Filter surface	m ²	1	1,5
Electric filter shaker		Automatic	Automatic
Max speed	Km/h	-	-
Weight (net)	Kg	57,5	73
Dimensions (LxWxH)	mm	870x732x655	930x912x655



IPC

505/705



505



705

Great Productivity



Huge hopper capacity



Extensive filtering surface



Extensive running time

High Performance



Main brush pressure adjustment

Ergonomics, User Friendly



Easy to use control panel



Great visibility whilst working



Designed to assure minimum noise levels



Battery level indicator

Low Maintenance Costs



Dust filter replacement without tools



Easy access to motor compartment

Robust construction



Heavy duty chassis in fully coated steel



Maximum protection against impact



Panel control switches protected against water and humidity

505/705

Easy to remove and clean waste hopper



Easy access to internal components

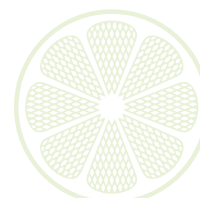


Panel filter



Main brush pressure adjustment

Technical data		505 ET	505 ST	705 ET	705 ST
Max working width	mm	700	700	900	900
Main brush width	mm	500	500	700	700
Productivity (at max speed)	m ² /h	2450	2450	3150	3150
Dirt container volume	l	50	50	65	65
Max dump height	mm	-	-	-	-
Power supply		Battery 12V	Petrol Honda 4 HP	Battery 12V	Petrol Honda 4 HP
Filter surface	m ²	2	2	3	3
Max speed	Km/h	3,5	3,5	3,5	3,5
Weight (net)	Kg	75	88,5	85,5	104
Dimensions (LxWxH)	mm	1160x810x1000	1160x810x1000	1200x1000x1000	1200x1000x1000



IPC

512/712



512



712

Great Productivity



Huge hopper capacity



Extensive filtering surface



Extensive running time

High Performance



Main brush pressure adjustment



Dust flap for large debris collection

Ergonomics, User Friendly



Easy to use control panel



Great visibility whilst working



Designed to assure minimum noise levels



Battery level indicator



On board charger (Opt.)

Low Maintenance Costs



Dust filter replacement without tools



Easy access to motor compartment

Robust construction



Heavy duty chassis in fully coated steel



Maximum protection against impact



Panel control switches protected against water and humidity

512/712



Maximum comfort and extreme ease of use

Adjustable seat as standard.



Easy access to internal components

Simple to tilt entire top body.



Maximum brush wear saving

- Main brush pressure is easily adjusted from driving position.
- The led indicator on dashboard allows constant view of brush pressure.

Technical data		512 ET	512 ST	712 ET	712 ST
Max working width	mm	700	700	900	900
Main brush width	mm	500	500	700	700
Productivity (at max speed)	m ² /h	2450	2450	3150	3150
Dirt container volume	l	50	50	65	65
Max dump height	mm	-	-	-	-
Power supply		Battery 12V on board charger (Opt.)	Petrol Honda 4 HP	Battery 24V on board charger (Opt.)	Petrol Honda 4 HP
Filter surface	m ²	2	2	3	3
Electric filter shaker		Standard	Standard	Standard	Standard
Max speed	Km/h	3,5	3,5	3,5	3,5
Weight (net)	Kg	78	111	93	126
Dimensions (LxWxH)	mm	1225x753x903	1225x753x903	1225x943x903	1225x943x903

512 and 712 are also available in "Carpet" version with pre-filter for micro dust and equipped with no marking wheels.



IPC

512/712 Rider



512 Rider



712 Rider

Great Productivity



Huge hopper capacity



Extensive filtering surface



Extensive running time

High Performance



Main brush pressure adjustment



Dust flap for large debris collection

Ergonomics, User Friendly



Easy to use control panel



Designed for maximum comfort



Designed to assure minimum noise levels



Battery level indicator



On board charger (Opt.)



Flashing beacon (Opt.)

Low Maintenance Costs



Dust filter replacement without tools



Easy access to motor compartment

Robust construction



Heavy duty chassis in fully coated steel



Maximum protection against impact



Panel control switches protected against water and humidity

512/712 Rider



Maximum comfort and extreme ease of use

Adjustable seat as standard.



Easy access to internal components

Simple to tilt entire top body.



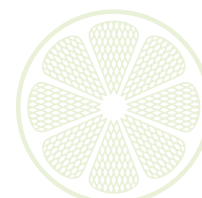
Maximum brush wear saving

- Main brush pressure is easily adjusted from driving position.
- The led indicator on dashboard allows constant view of brush pressure.



Technical data		512 Rider Carpet	512 Rider ST	712 Rider Carpet	712 Rider ST
Max working width	mm	700	700	900	900
Main brush width	mm	500	500	700	700
Productivity (at max speed)	m ² /h	3500	3500	4500	4500
Dirt container volume	l	50	50	65	65
Max dump height	mm	-	-	-	-
Power supply		Battery 24V on board charger (Opt.)	Petrol Honda 4 HP	Battery 24V on board charger (Opt.)	Petrol Honda 4 HP
Filter surface	m ²	2	2	3	3
Electric filter shaker		Standard	Standard	Standard	Standard
Max speed	Km/h	5	5	5	5
Weight (net)	Kg	123	156	140	173
Dimensions (LxWxH)	mm	1180x753x1182	1180x753x1182	1180x943x1182	1180x943x1182

512 Rider and 712 Rider Carpet versions are equipped with (300 Watt), pre-filter, filtration system to capture carpet fibre and thin debris, no marking larger rear wheels (see page 20).



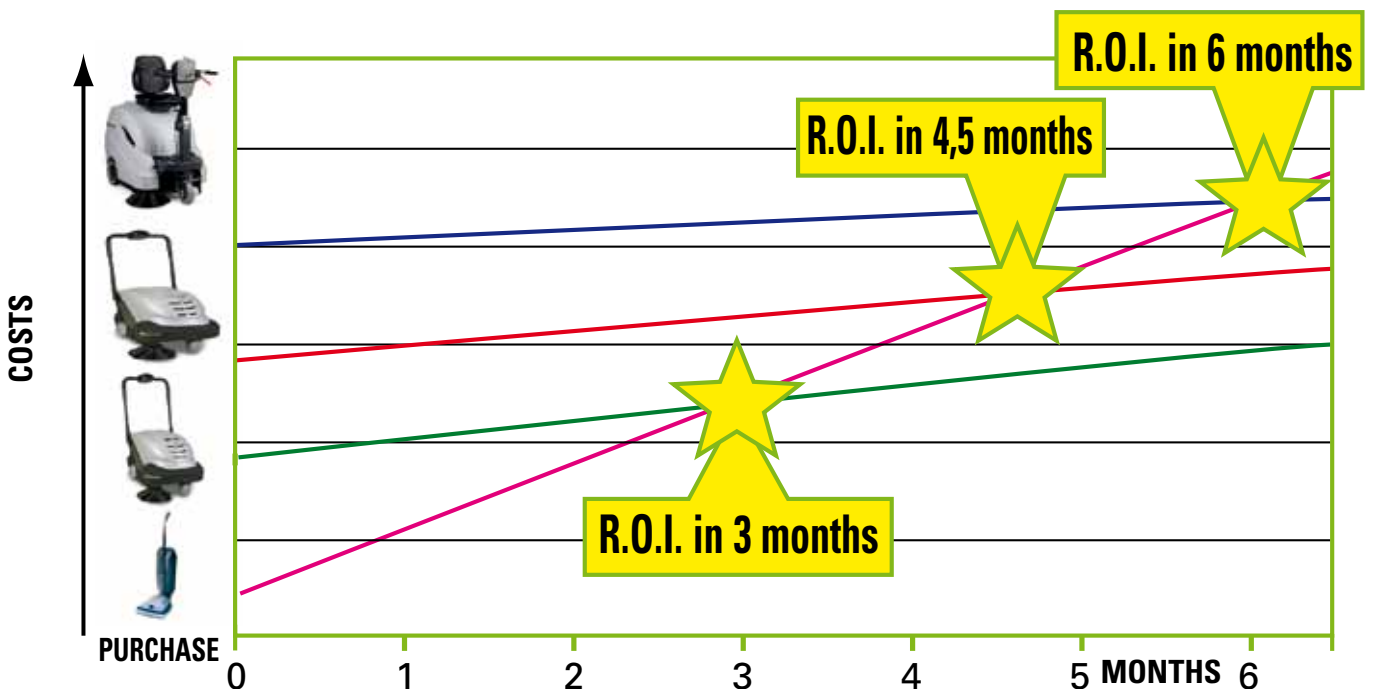
IPC

512/712 Carpet



The perfect solution for carpet cleaning

The 512 and 712 Carpet offer an innovative alternative to all traditional carpet cleaning systems in terms of performance and productivity. The standard battery powered unit can be easily converted into a highly professional large surface carpet cleaning machine.



Note: calculation based on the average machine price, labour cost and surface of 300 sqm that has to be cleaned 5 day a week.

512/712 Carpet



Carpet Cleaning Comparative Chart

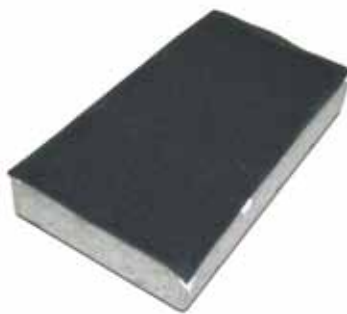
Model	Price [?]	Waste Capacity	Cleaning Width [mm]	Cleaning Productivity	Noise Level [dB]	Power Supply	Maintenance Costs	Cleaning Cost per Sqmt (3 years)
	\$	4	300 - 400		65dB	Mains 220V	Medium	\$
	\$	35	510		55dB	Battery	Low	\$
	\$	45	600		55dB	Battery	Low	\$
	\$	50	500		65dB	Battery	Low	\$



Great sweeping performance on Carpet Flooring

With a large diameter brush having 20,000 bristles per brush formed in a special "V" shape, efficient removal and collection of dust and debris is achieved. Rotating at high rpm, the brush beats the dust out of the carpet ensuring excellent cleaning and maintenance of all carpeted surfaces.

With bristles of differing thickness, a variety of dust and debris is collected in the waste bin. For sand and earth, harder thicker bristles ensure that this type of soiling is collected, whilst soft thinner bristles achieve effective removal and collection of light dust and soiling.



Dust micro filtration

Pre-filter utilised to capture carpet fibre when used for carpet cleaning.



Larger wheels and higher Ah traction motor with non marking wheel



IPC

1010/1020

Great Productivity



Huge hopper capacity



Large sweeping path



Extensive filtering su



High Performance



Main brush pressure adjustment



Main brush special "V" shape design



Dust flap for large debris collection



Pleated micro-fine polyester filter (only 1020 model)



Micro-fine polyester filter (only 1020 model)

Technical data		1010/1020 E	1010/1020 S
Max working width	mm	1100	1100
Main brush width	mm	700	700
Productivity (at max speed)	m ² /h	7700	7700
Dirt container volume	l	65	65
Max dumping height	mm	-	-
Power supply		Battery 24V	Petrol Honda 5,5 HP
Filter surface	m ²	4	4
Electric filter shake		Standard	Standard
Max speed	Km/h	7	7
Weight (net)	Kg	235	300
Dimensions (LxWxH)	mm	1500x970x1200	1500x970x1200

1010/1020



Ergonomics, User Friendly



Easy to use control panel



Great manoeuvrability thanks to an optimum weight distribution



Great visibility whilst working



Hand assisted low dump discharge system

Low Maintenance Costs



Dust filter replacement without tools



Easy access to motor compartment

Robust Construction



Heavy duty chassis in fully coated steel



Maximum protection against impact



Hand assisted low dump discharge system

Transportation wheels and two ergonomic handles.



Designed for maximum comfort

Adjustable seat.



Easy access to motor compartment

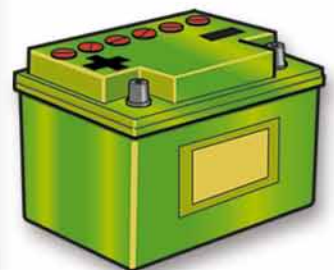
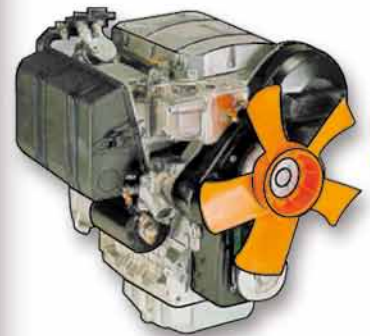


IPC

1050/1202/1404 DP

DUAL POWER:

PATENTED



EXTERNAL USE (combustion)

INNOVATIVE HYBRID POWER SOURCE

20% Much more power

Limited smoke emission

Considerably low fuel consumption

Drastic cut in maintenance costs

Extended battery running time

INTERNAL USE (battery)

1050

Great Productivity



Huge hopper capacity



Large sweeping path



High Performance



SLS (Self Levelling System) automatic main brush pressure control

PATENTED



Dust micro filtration



Dust flap for large debris collection



Pre-programmed working settings



Adjustable side brush rpm



Technical data		1050 E	1050 DP
Max working width	mm	1050	1050
Main brush width	mm	650	650
Productivity (at max speed)	m ² /h	6300	6300
Dirt container volume	l	70	70
Max dumping height	mm	-	-
Power supply		Battery 24V	Dual Power (Petrol) Honda 5 HP - 24V
Filter surface	m ²	4	4
Electric filter shaker		Automatic	Automatic
Max speed	Km/h	6	6
Weight (net)	Kg	173	230
Dimensions (LxWxH)	mm	1400x816x1142	1400x816x1142



1050



Ergonomics, User Friendly



Easy to use control panel



Great visibility whilst working



Automatic stop (by comand release) in working mode



Hand assisted low dump discharge system

Low Maintenance Costs



Main brush replacement without tools



Dust filter replacement without tools



Self cleaning filter system



Automatic main brush lift in reverse

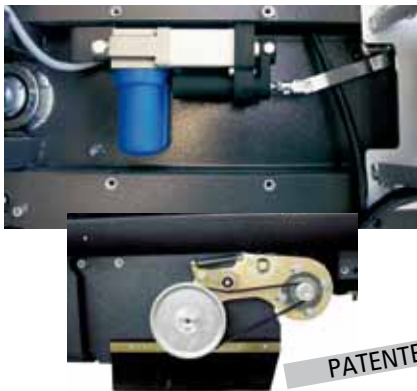
Robust Construction



Heavy duty chassis in fully coated steel



Maximum protection against impact



PATENTED

SLS (Self Levelling System) automatic brush pressure control

System that adapts immediately the brush thanks to a special shock absorber. The actuator moves only in case brush adapting requirements are higher. The system allows the brush:

- to immediately and constantly follow all types of surfaces
- to self adjust brush pressure until the brush is completely worn out.

No need to check brush wear as brush replacement is indicated automatically on control panel display.



Pre-programmed working settings

3 independent programs allow best settings for all types of applications. Filter shaker can be operated at any time. Each program can be fully personalized.



Hand assisted low dump discharge system

Light weight high density polypropylene hopper complete with handles and wheels for easy transportation and dumping.

1202

Great Productivity



NDC (No Dirt in Curve)
Automatic brush movement
whilst curving

PATENTED



Huge hopper capacity



Large sweeping path



High Performance



SLS (Self Levelling System) automatic main brush pressure control

PATENTED



Dust micro filtration



Dust flap for large debris collection



Pre-programmed working settings



Adjustable side brush rpm

Ergonomics, User Friendly



Easy to use control panel



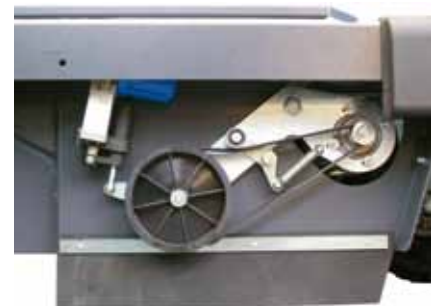
Great visibility whilst working



Effective discharge system thanks to separate controls for hopper raise and tilting



Automatic stop (by command release) in working mode



PATENTED

SLS (Self Levelling System) automatic brush pressure control

System that adapts immediately the brush thanks to a special shock absorber. The actuator moves only in case brush adapting requirements are higher.

The system allows the brush:

- to immediately and constantly follow all types of surfaces
- to self adjust brush pressure until the brush is completely worn out.

No need to check brush wear as brush replacement is indicated automatically on control panel display.

Technical data		1202 E	1202 DP
Max working width	mm	1200	1200
Main brush width	mm	700	700
Productivity (at max speed)	m ² /h	8400	8400
Dirt container volume	l	115	115
Max dumping height	mm	1000	1000
Power supply		Battery 24V	Dual Power (Petrol) Honda 5,5 HP - 24V
Filter surface	m ²	4	4
Electric filter shaker		Automatic	Automatic
Max speed	Km/h	7	7
Weight (net)	Kg	244	284
Dimensions (LxWxH)	mm	1550x926x1175	1550x926x1175

1202



Low Maintenance Costs



Main brush replacement without tools



Dust filter replacement without tools



Self cleaning filter system



Automatic main brush lift in reverse

Robust Construction



Heavy duty chassis in fully coated steel



Maximum protection against impact



Panel control switches protected against water and humidity



PATENTED



NDC (No Dirt in Curve) Automatic brush movement whilst turning

- Whilst curving the side brush moves inwards automatically.
- The system avoids uncollected debris whilst turning.



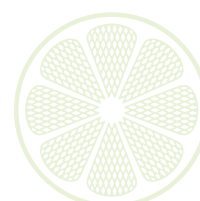
Pre-programmed working settings

3 independent programs allow best settings for all types of applications. Filter shaker can be operated at any time. Each program can be fully personalized.



Effective discharge system thanks to separate controls for hopper raise and tilting

Hand assisted raising system by the means of two gas pistons. Maximum dump height of 1 meter. Hand assisted hopper tilting system.



IPC

1404



Great Productivity



NDC (No Dirt in Curve)
Automatic brush movement
whilst curving

PATENTED



Huge hopper capacity



Large sweeping path

High Performance

PATENTED



SLS (Self Levelling System) automatic main brush pressure control



Dust micro filtration



Dust flap for large debris collection



Pre-programmed working settings



Adjustable side brush rpm

Ergonomics, User Friendly



Easy to use control panel



Great visibility whilst working



Effective discharge system thanks to separate controls for hopper raise and tilting



Automatic stop (by comand release) in working mode



Maximum distance from discharge point and operator



Pre-programmed working settings

3 independent programs allow best settings for all types of applications. Filter shaker can be operated at any time. Each program can be fully personalized.

Technical data		1404 E	1404 DP-P	1404 DP-D
Max working width	mm	1450	1450	1450
Main brush width	mm	800	800	800
Productivity (at max speed)	m ² /h	10150	10150	10150
Dirt container volume	l	150	150	150
Max dumping height	mm	1430	1430	1430
Power supply		Battery 24V	Dual Power (Petrol) Honda 6,5 HP - 24V	Dual Power (Diesel) Lombardini 6,9 HP - 24V
Filter surface	m ²	6	6	6
Electric filter shaker		Automatic	Automatic	Automatic
Max speed	Km/h	7	7	7
Weight (net)	Kg	465	512	540
Dimensions (LxWxH)	mm	1600x1080x1280	1600x1080x1280	1600x1080x1280

1404



Low Maintenance Costs



Main brush replacement without tools



Dust filter replacement without tools



Self cleaning filter system



Automatic main brush lift in reverse

Robust Construction



Heavy duty chassis in fully coated steel



Maximum protection against impact



PATENTED



NDC (No Dirt in Curve) Automatic brush movement whilst turning

- Whilst curving the side brush moves inwards automatically.
- The system avoids uncollected debris whilst turning.



2 Self cleaning filter system

The filters are periodically cleaned automatically without interrupting the sweeping mode.



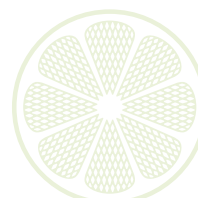
PATENTED

SLS (Self Levelling System) automatic brush pressure control

System that adapts immediately the brush thanks to a special shock absorber. The actuator moves only in case brush adapting requirements are higher. The system allows the brush:

- to immediately and constantly follow all types of surfaces
- to self adjust brush pressure until the brush is completely worn out.

No need to check brush wear as brush replacement is indicated automatically on control panel display.



IPC

1450













Great Productivity






-  NDC (No Dirt in Curve)
Automatic brush movement whilst curving
-  Huge hopper capacity
-  Large sweeping path
-  Extensive running time

PATENTED

High Performance

-  Main brush pressure adjustment
-  Main brush special "V" shape design
-  Pleated micro-fine polyester filter
-  Effective filter shaking system
-  Dust flap for large debris collection

-  Adjustable side brush rpm
-  Great manoeuvrability thanks to an optimum weight distribution
-  Designed to assure minimum noise levels
-  Easy to use control panel
-  Great visibility whilst working

-  Designed for maximum comfort
-  Battery level indicator
-  Flashing beacon (Opt.)
-  Effective discharge system thanks to separate controls for hopper raise and tilting
-  Maximum distance from discharge point and operator

Technical data		1450 E	1450 D	1450 D
Max working width	mm	1460	1460	1460
Main brush width	mm	800	800	800
Productivity (at max speed)	m ² /h	8760	8760	8760
Dirt container volume	l	150	150	150
Max dumping height	mm	1430	1430	1430
Max climbing grade	%	20	20	20
Power supply		Battery 24V	Diesel 12V Lombardini 6,3 kW 8,6 HP	Diesel 12V Yanmar 5,7 kW 7,7 HP
Filter surface	m ²	3,6	3,6	3,6
Electric filter shaker		Automatic	Automatic	Automatic
Max speed	Km/h	6	6	6
Weight (net)	Kg	540	605	613,5
Dimensions (LxWxH)	mm	1600x1199x1360	1600x1199x1360	1600x1199x1360

1450



Low Maintenance Costs



Closed hydraulic circuits on both traction and sweeping system



Main brush replacement without tools



Dust filter replacement without tools



Easy access to motor compartment

Robust Construction



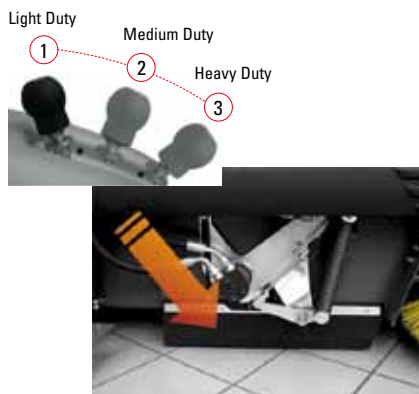
Heavy duty chassis in fully coated steel



Maximum protection against impact



Panel control switches protected against water and humidity



3 pressure levels on main brush

The lever on the right side of the operator allows to set 3 different pressure levels on the main brush, according to the different cleaning needs.



Closed hydraulic circuits on both traction and sweeping systems

The machine is equipped with 2 hydraulic pumps that manage the functions of the traction motorwheel and of the services (main brush, side brush, waste hopper opening).



Fabric filter

The machine is equipped with large elements separated by polyester fabric for maximum dust filtration capacity.



NDC (No Dirt in Curve) Automatic brush movement whilst turning

- Whilst curving the side brush moves inwards automatically.
- The system avoids uncollected debris whilst turning.

161

Great Productivity



Large sweeping path



Extensive filtering surface



High Performance



Direct sweeping



SLS (Self Levelling System) automatic brush pressure control



Pleated micro-fine polyester filter



Effective filter shaking system



SLS System - Brush self-levelling system

A long spring enables the brush to adapt immediately to all surfaces. Once adjusted, the brush remains in that position until completely worn out.



Pleated micro-fine polyester filter

The machine is equipped with large elements separated by polyester fabric for maximum dust filtration capacity.

Technical data

		161 E	161 D	161 LPG
Max sweeping width with main brush + 1 side brush	mm	1250	1250	1250
Max sweeping width with main brush + 2 side brushes (opt.)	mm	1600	1600	1600
Main brush width	mm	1000	1000	1000
Productivity (at max speed)	m ² /h	9375	11875	11875
Dirt container volume	l	350	350	350
Max dumping height	mm	1400	1400	1400
Power supply		Battery 36V	Diesel Lombardini 27,2 HP	Petrol/LPG Daihatsu Vanguard 31 HP
Filter surface	m ² /h	8	8	8
Max speed	Km/h	7,5	9,5	9,5
Peso (a vuoto)	Kg	800	800	800
Dimensioni (LxWxH)	mm	2040x1330x1430	2040x1330x1430	2040x1330x1430



161



Ergonomics, User Friendly



Hydraulic power steering



Easy to use control panel



Designed for maximum comfort



Designed to assure minimum noise levels

Low Maintenance Costs



Closed hydraulic circuits on both traction and sweeping system



Special enlarged easy to clean radiator



Maximum engine air inlet protection



Easy to access to motor compartment

Robust Construction



Heavy duty chassis in fully coated steel



Maximum protection against impact



Debris flap in stainless steel



Extra-strong components for outdoor use



Hydroguide

Hydraulic piston connected to the rear guide wheel.



Fine dust setup

Optional side brush cover for use in very dusty areas.



Third brush setup

Third side brush accessory for sweeping in difficult to reach points or pavements.



191

Great Productivity



Large sweeping path



Extensive filtering surface

High Performance



Direct sweeping



SLS (Self Levelling System) automatic brush pressure control



Pleated micro-fine polyester filter



Effective filter shaking system



SLS System - Brush self-levelling system

A long spring enables the brush to adapt immediately to all surfaces. Once adjusted, the brush remains in that position until completely worn out.



Pleated micro-fine polyester filter

The machine is equipped with large elements separated by polyester fabric for maximum dust filtration capacity.

Technical data

		191 E	191 D	191 LPG
Max sweeping width with main brush + 1 side brush	mm	1500	1500	1500
Max sweeping width with main brush + 2 side brushes (opt.)	mm	1800	1800	1800
Max sweeping width with main brush + 3 side brushes (opt.)	mm	2200	2200	2200
Main brush width	mm	1200	1200	1200
Productivity (at max speed)	m ² /h	23100	23100	23100
Dirt container volume	l	500	500	500
Max dumping height	mm	1520	1520	1520
Power supply		C.C. AMRE Battery 48V	Diesel Lombardini 36 HP	Petrol/LPG Daihatsu Vanguard 36 HP
Filter surface	m ² /h	10,5	10,5	10,5
Max speed	Km/h	8	13	13
Peso (a vuoto)	Kg	1380	1440	1440
Dimensioni (LxWxH)	mm	2442x1570x2190	2442x1570x2190	2442x1570x2190



191



Ergonomics, User Friendly



Hydraulic power steering



Easy to use control panel



Designed for maximum comfort



Designed to assure minimum noise levels

Low Maintenance Costs



Closed hydraulic circuits on both traction and sweeping system



Special enlarged easy to clean radiator



Maximum engine air inlet protection



Easy to access to motor compartment

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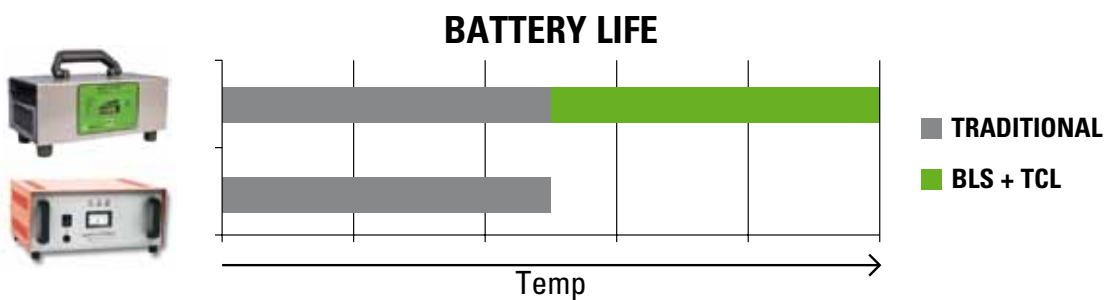


Third brush setup

Third side brush accessory for sweeping in difficult to reach points or pavements.



BATTERY LIFE SAVER



Lower your energy cost's by increasing battery life

An exclusive range of innovative solutions that manage energy, studied by competent personnel that have many years experience in the professional cleaning field.

Managing energy: a very underestimated cost

- The costs connected to battery maintenance and life are so called "hidden" and usually underestimated or not communicated correctly to the final user.
- On the purchase cost of a professional cleaning machine, the costs connected to battery replacement and maintenance can arrive at up to two thirds of the initial machine cost in quite a short period of time.

BATTERY LIFE SAVER

1. Choice of battery: an important decision

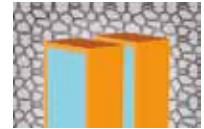
The different constructive technologies available on a battery can vary in either positive or negative points:



Wet



Sealed



- Good ratio between cost and cycles (only tubular type)



- Charging of batteries cannot be made in a closed area
- Periodic maintenance required
- Battery loses its charge during battery life



- Recharging of the batteries can be made in a closed area
- Battery maintains its charge during battery life
- No maintenance required



- Higher purchase cost

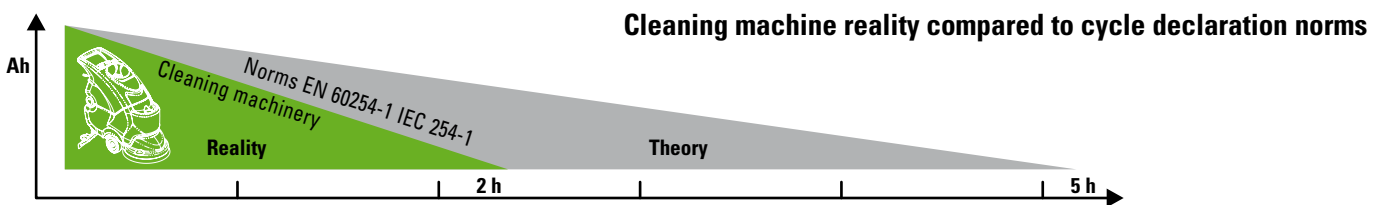
2. Talking about cycles: be careful! Your talking about battery life time

A cycle is intended in a nearly total discharge of the battery plus its total re-charge once again. The declared cycles of a battery equals the declaration of its life; for example 100 cycles corresponds to 100 discharges and relative recharges.

Unlike the "material handling" field, in which traction batteries are developed for an average use of at least 5 hours, the young professional cleaning machine field has an average use of less than 2 hours.

The international norms in force make battery manufactures declare the number of cycles connected to a discharge in 5 hours. The "Cleaning" machinery market cannot (if not for a limited number of larger machinery requirements) recognise such discharge rate, as the machines are used on average for 2 hours.

At this point the cycles of a battery become much more important, as they are a lot less than what is declared, respecting the international norms in force.



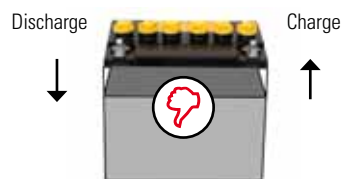
3. Also the way the battery is used has an important impact on its life scale

Obtaining the best out of a battery cycle means two things; discharge the battery nearly to its minimum, and then re-charge it once again to its total initial charge. A disorderly discharge and charge can not only reduce consistently the life of the battery, but also make the battery lose its total charge during the life time of the battery.



Complete cycle

The battery is discharged until 80%, and then re-charged totally.



Incorrect cycle

The battery is not discharged totally before being re-charged.

4. Battery charger: a crucial choice!



The most frequent mistake made is under estimating the crucial rule of a battery charger. As like in other uses, even in this field there are battery chargers with different quality and technical performances; for example the entry level chargers that do not control gasification and have very dim energy efficiency. Good quality batteries can suddenly become very low performing, and cost a lot more in maintenance costs if the choice of the battery charger is not carefully made.

BATTERY LIFE SAVER



- 12V - 24V - 36V - 48V
- Wet - Gel - AGM
- 4A - 13A - 20A - 25A - 30A

More than 50 different configurations that cover all the cleaning machine market needs in only 2 models.

Battery Life Saver is an exclusive system developed by IPC Gansow for "Professional Cleaning" that can reduce down by up to 30% battery managing costs.

The knowledge matured in this field has put IPC Gansow in a position to satisfy practically all needs with only two products, easily configurable upon the different market necessities..

Battery Life Saver: thanks to TCL technology can double the expected batteries life.

Battery Life Saver is an exclusive system developed by IPC Gansow for the "Professional Cleaning" sector, which reduces the battery managing cost.



Tecnologia TCL - Topping-up Charge Limiter:

Selecting this type of control, it is possible to limit the "topping-up" charges. In the sectors where the working shifts are constant, it is possible to double the expected batteries life.

Exemplificative table of TCL technology benefits

Machine model	Duration of an average working daily shift	Battery charger type	Example of weekly working shift	Nr. fulls (1 full=1 cycle) = No. cycles = Charge duration / days																
			L M M G V S D																	
CT40	25 min.	<ul style="list-style-type: none"> ● Standard ● TCL Technology 	<table style="border-collapse: collapse; margin: auto;"> <tr> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> </tr> <tr> <td style="width: 15px; height: 15px; background-color: green; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: white; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: white; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: green; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: white; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: white; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: white; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: green; border: 1px solid black;"></td> </tr> </table>																	<p>1 full = 1 cycle = 1 daily charge 3 fulls = 1 cycles = 1 charge every 3 days</p>
CT70	45 min.	<ul style="list-style-type: none"> ● Standard ● TCL Technology 	<table style="border-collapse: collapse; margin: auto;"> <tr> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: red; border: 1px solid black;"></td> </tr> <tr> <td style="width: 15px; height: 15px; background-color: green; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: white; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: green; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: white; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: green; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: white; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: green; border: 1px solid black;"></td> <td style="width: 15px; height: 15px; background-color: white; border: 1px solid black;"></td> </tr> </table>																	<p>1 full = 1 cycle = 1 daily charge 2 fulls = 1 cycles = 1 charge every 2 days</p>



Leading technology:
A real manager of all necessary parameters, to protect batterie sand maximise their working life. All of this reducing to a minimumthe electricity required.



Doesn't need large space:
Incomparable for what concerns dimensions and compactness. The product has been studied to allow fixing to walls, or to be place done on top of the other without the need of other accessories.

BATTERY LIFE SAVER

Main technical features

- Lengthens the life of the battery (nr. of cycles) up to 30% more compared to a low frequency charger.
- Gasification controlled proportionally (wet batteries) lowering battery maintenance costs and lengthening the life of the battery itself.
- Electronic protection against electric line feeding fluctuations, simply by resetting the charger any possible failure is avoided.
- Possibility of charging all types of batteries on the market (wet, sealed either AGM or GEL).
- Charging curve specifications of all major battery manufactures are memorised in the configuration system.
- Possibility to reconfigure the battery charger at any moment, either for a different choice of batteries, or for a different voltage setting.
- Memorises the last 32 charging cycles made, in order to be able to check if the re-charging process was done appropriately.



Easy to use



Thick metal

Compact and resistant for heavy duty use

- Unique battery charger on the market that is able to assure very high levels of performance compared to its size.
- Thick metal external construction.
- Possibility of fixing it to a wall without the needs of other accessories.
- Can be stacked one on top of the other thanks to its 180° reclining handle.
- Smooth scratch resistant surface makes it easy to dust and clean

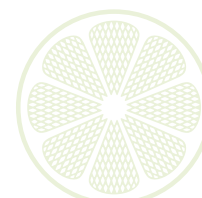
Rational manager but very versatile

- Only 2 models required to cover practically all needs in terms of voltage and amps required for machinery in the cleaning equipment market.
- Available both in 230 – 240V AC 50 – 60 Hz and 100 - 115V AC 50 – 60 Hz. power feeding.



Reclining handle

Battery Life Saver Code	Battery Tension (V)	Charging current (A)	Dimensions LxWxH (mm)	Weight (kg)	Battery Capacity (Ah 5 h)	Battery Capacity (Ah 20h)
BLS010	12	4	40x60x100	3	Charging time 10/12 h: 20 - 120	Charging time 10/12 h: 40 - 160
	24	13			Charging time 12/14 h: 40 - 140	Charging time 12/14 h: 60 - 170
BLS020	12	15	90x70x100	4,5	Charging time 10/12 h: 90 - 180	Charging time 10/12 h: 120 - 240
	48	30			Charging time 12/14 h: 130 - 200	Charging time 12/14 h: 170 - 260



IPC

GEL TECHNOLOGY BATTERY



Find out how to
double battery life
 with the **TCL SYSTEM**
 -Topping-up Charge Limiter -

The best energy for your machine

IPC Gansow presents the new exclusive range of Gel batteries specific for the professional cleaning sector developed in order to constantly offer the maximum performance and durability.

Performance, safety and respect for the environment

IPC Gansow batteries are produced according to the most advanced constructive criteria:

- No need of maintenance
- Maximum robustness thanks to the solid external structure
- Low auto-discharge level (equal to 0,3 % per day compared to 1% of acid batteries)
- 3 models available in order to cover more than 80% of the professional cleaning market needs
- Materials recyclable up to 95%

These are features that have made IPC Gansow batteries a reference point in the professional cleaning sector.

GEL TECHNOLOGY BATTERY

All the benefits of a battery with higher performance

- Battery recharge can be made safely indoors
- Excellent resistance to charge and discharge cycles
- Low auto-discharge level equal to 0,3 % per day compared to 1% of traditional batteries
- No need of maintenance
- Guaranteed 700 cycles in agreement with the regulation IEC 896-T2
- Easy to carry thanks to the specific handles



Easy to carry and place

Extremely easy for battery transporting and positioning operations, thanks to the specific handles on the cover.



Maximum safety during use

In the case of wrong charging operations, the VRLA valves assure maximum safety, avoiding any damages.



High robustness

Plastic materials extremely robust. The container with particular ribs avoids any deformations.



Recyclable up to 95 %

IPC Gansow batteries are designed in full respect of the regulations for the environmental preservation. All the materials used are recyclable up to 95%

GEL TECHNOLOGY BATTERY

Main technical features

- IPC Gansow batteries are made with polypropylene monoblocks, a plastic material resistant to corrosion.
- Plugs are equipped with air valves which assure maximum safety.
- Battery structure is completely watertight in order to avoid the expulsion of pollutant and dangerous waste.



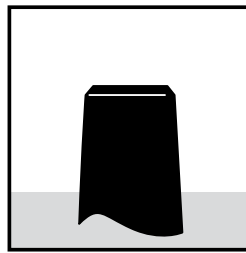
12V 105 Ah Model (C5) 140 Ah (C20)



6V 180 Ah Model (C5) 240 Ah (C20)



6V 265 Ah Model (C5) 350 Ah (C20)



8 Nm

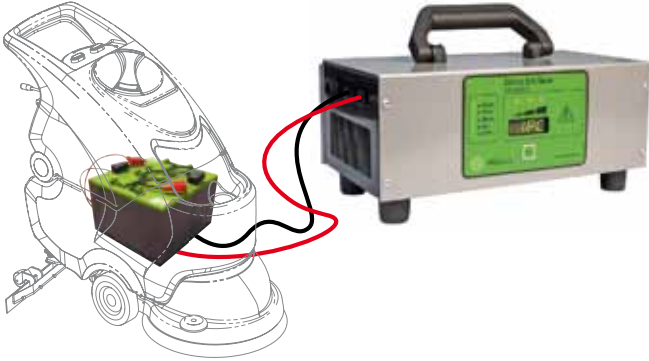
Terminal type

Terminals are protected with specific plastic caps which can be taken off just with a simple screwdriver

Item code	Voltage [V]	Capacity C5 (30 °C) [Ah]	Capacity C20 (30 °C) [Ah]	Length max. [mm]	Width max. [mm]	Height max. [mm]	Weight [Kg]
BAAC00105	12	105	120	345	170	285	39,0
BAAC00106	6	180	200	244	192	275	32,5
BAAC00108	6	265	350	305	180	365	46,8

GEL TECHNOLOGY BATTERY

**Reduce energy management costs with the integrated system
Battery Life Saver + Gel Technology Battery**



Battery Life Saver, thanks to TCL technology can double the expected battery life

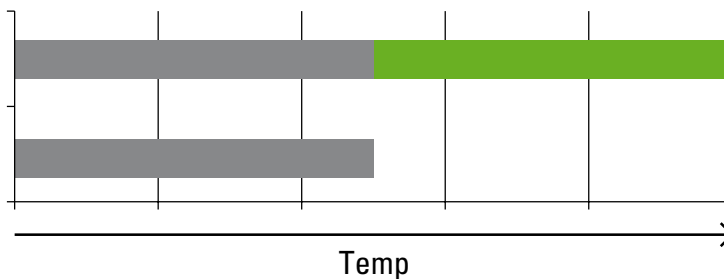
Battery Life Saver is an exclusive system developed by IPC Gansow for the "Professional Cleaning" sector, which reduces the battery managing cost.

TCL Technology – Topping-up Charge Limiter:



Selecting this type of control, it is possible to limit the "topping-up" charges. In the sectors where the working shifts are constant, it is possible to double the expected batteries life.

BATTERY LIFE



■ TRADITIONAL
■ BLS+TCL



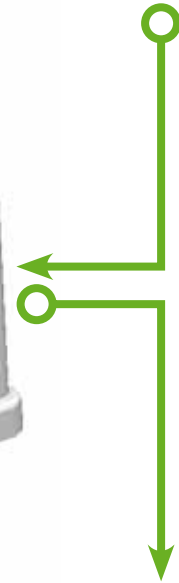
Leading technology:

The BLS charging curves, approved by the best battery manufacturers, have been specifically studied to ensure constantly the optimal charge of IPC Gansow batteries.

POWER BOX

Energy in motion

12 / 24 / 36V



100V/230V

Revolutionise your cleaning methods, and more!

Applicable on IPC Gansow scrubbers and sweepers



POWER BOX

Energy in motion



IPC Gansow Power Box

Power Box:- with dual function of generating power to mobile work stations, representing an evolution in the concept of industrial cleaning all in one unit.

Power Box, created to be applied to IPC Gansow sweepers and scrubber driers, allowing any power tool to be connected to the machinery, with power ratings up to 2500 watts, thus ensuring:

- an increase in cleaning quality by allowing always the most suitable tool for the cleaning task in hand.

- a drastic reduction in cleaning times, as the work can be performed by the same person, without interruptions
- no risk of long, extended cables as the power tools are completely independent from the fixed power points.
- an ecological environmental impact that virtually eliminates polluting and noise emissions.
- a power generator is always close at hand, in the event of emergency.

If used with ride-on machinery, Power Box can be combined with a system for towing ultra-light trailers to carry required tools and materials.



POWER BOX

Energy in motion



Power Box can be used to:

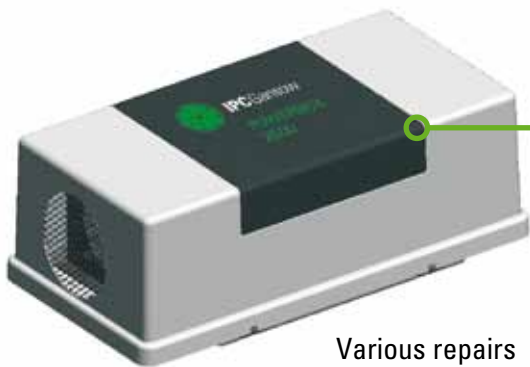
Collect leaves



Trim hedges



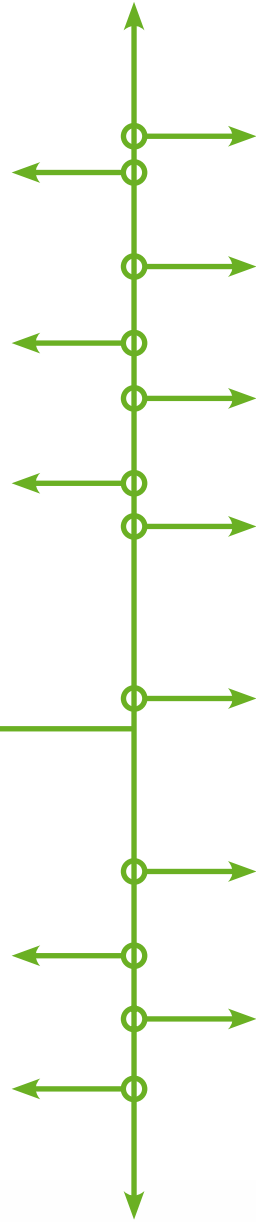
Mow lawns



Various repairs



Emergency power source



Vacuum up dust and/or liquids



Polish



Wash carpets and fabrics



Disinfect



Wash



Clean



Remove debris

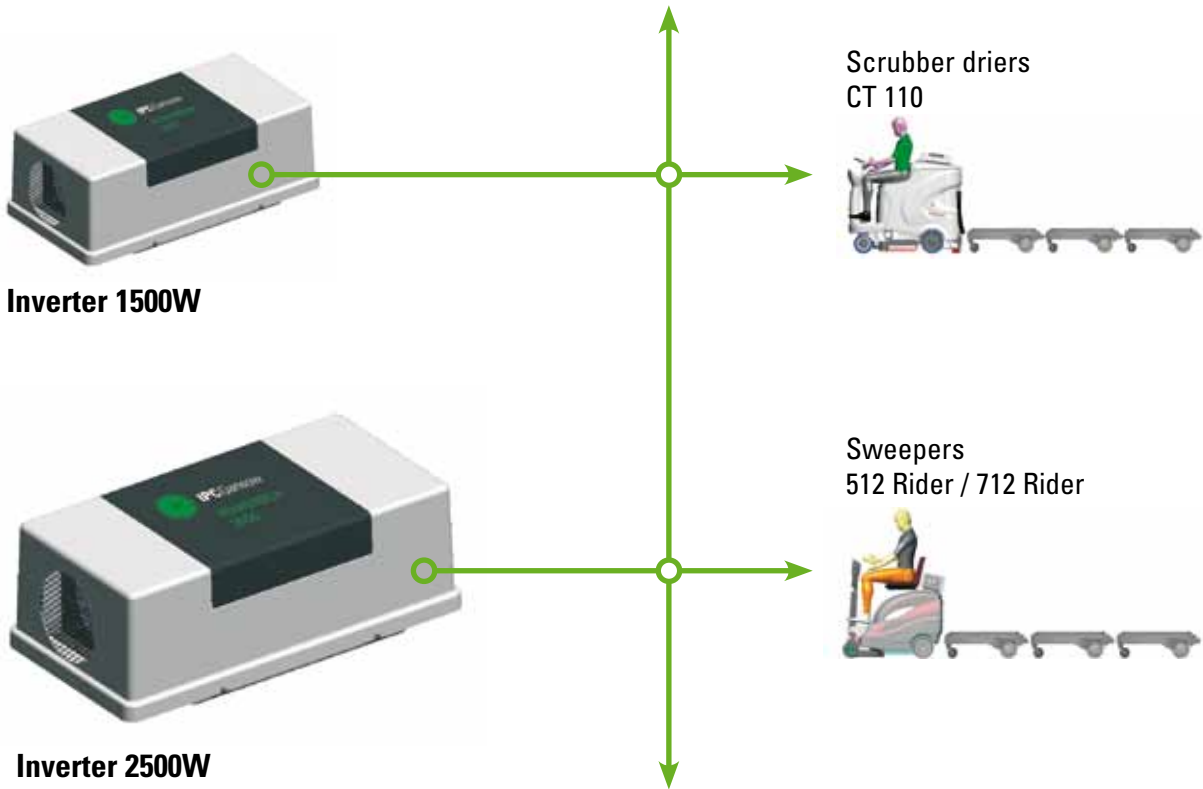


POWER BOX

Energy in motion



Can be applied to the following ride-on models:



Inverter 1500W



Inverter 2500W

Scrubber driers
CT 110




Sweepers
512 Rider / 712 Rider



Power outlet with digital indication of the power drawn in watt.



Coupling and uncoupling the trailer with a simple press of the foot.

Examples of trailers available through our sister company  IPCReady System



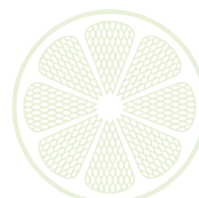
Equipment trailer



Waste trailer



Tool trailer



IPC

POWER BOX - Trolley System

Energy in motion



Revolutionise your cleaning methods, and more!

Applicable on IPC Gansow scrubbers and sweepers



POWER BOX - Trolley System

Energy in motion



Coupling and uncoupling the trailer with a simple press of the foot

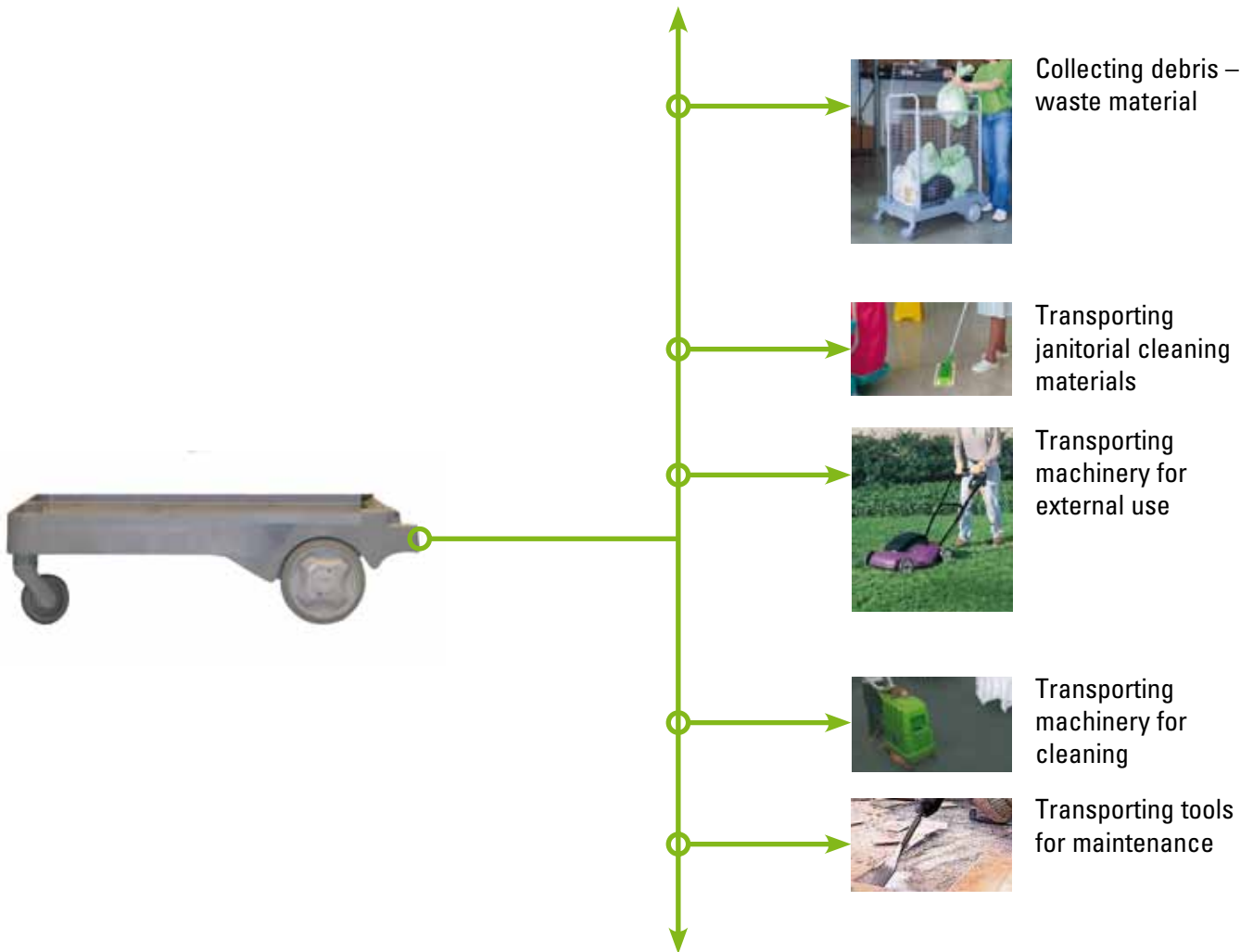
Examples of Trolley Systems. Over 100 customized work stations to satisfy any need, to transport utensils, material and waste debris.



POWER BOX - Trolley System

Energy in motion

It's possible to use Trolley System for :



POWER BOX - Trolley System

Thanks to Power Box, the innovative system applied on IPC Gansow machines, a part from scrubbing or sweeping this system generates a mains current up to 2500 watts

Trolley System is an ultra light weight trailing system produced by IPC Ready System that allows the IPC Gansow scrubbers and sweepers to transport 100-230V tools and machinery. A part from being towed, the

Trolley-System can be utilised as an individual trolley to be stationed or utilised manually for other uses. Power Box – Trolley System is a unique tool to revolutionise your working methods.



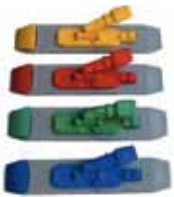
POWER BOX - Trolley System



Fibreglass frame with velcro



Microfibre mop with velcro for dusting/washing



NO TOUCH polypropylene frame for washing/disinfection



NO TOUCH microfibre mop for washing/disinfection



Aluminium handle



SPRITZ applicator for washing/disinfection/wax application



Kentucky mop holders



Kentucky mops with and without band for washing



Microfibre cloth



Set complete of bucket with cone wringer, mop and metal handle for washing (small area)



Set complete of dustpan and broom for garbage collection

Examples of Power Box available through our sister company



Power Box 1500



Power Box 2500



IPC

Main Brushes



Soft: brush with natural fibres bristles, ideal for dust and fine residues.



Medium: brush suitable for all types of use, on either smooth or rough surfaces.



Hard: ideal to eliminate stubborn dirt on rough or uneven floors.



Abrasive: brush with steel bristles to remove the most stubborn dirt. Use on tough floors.

Side Brushes



Soft: ideal for extremely fine dust.



Medium: brush suitable for all types of use, on either smooth or rough surfaces.



Hard: ideal to eliminate stubborn dirt on rough or uneven floors.



Abrasive: brush with steel bristles to remove the most stubborn dirt. Use on tough floors.



Filters

With large filtering surface.
(Available also in polyester)



Batteries

Various range of Ah's to satisfy all running requirements



**High quality
Battery Chargers**







IPC Gansow

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