



**INDUSTRIAL SWEEPERS** 

# DESIGNED TO TACKLE DUST



# INDUSTRIAL RANGE

A RANGE OF SWEEPERS CREATED FOR THE CLEANING OF MEDIUM AND LARGE AREAS.

CREATED WITH EXCLUSIVE IPC TECHNOLOGIES GRANTING HIGH LEVELS OF EFFICIENCY,

PRODUCTIVITY AND REDUCED MAINTENANCE COSTS.

# MEDIUM AREAS-UP TO 10.000 m<sup>2</sup>/h

155





# LARGE AREAS- UP TO 20.000 m<sup>2</sup>/h 175 195





# **DUST CONTROL**

## FILTERING SYSTEM

The filtering system is designed to grant complete dust control in every application thanks to a fabric filter equipped with special panels and a powerful suction fan.

The filter shaker delivers a thorough daily cleaning of the filter by keeping all panels well-stretched during the cleaning process. Compared with other systems, the IPC filtering system guarantees long-lasting performance over time.



In addition to standard filters, IPC also provides an absolute filter (gore filter). This special filter guarantees a complete control over dust particles PM10, PM5 and PM2.5.

## FRONT LOADING

The short distance between brush and hopper guarantees a great collection of heavy debris and particulates. The brush rotation speed of these front loading machines is lower in comparison with rear loading machines. This low-speed rotation grants a better collection of particulates.



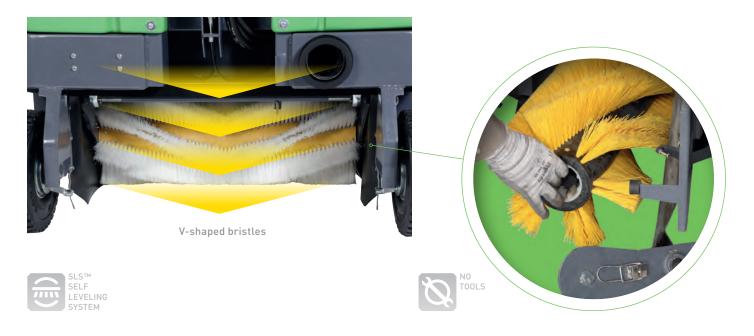
# **EFFICIENCY**

## **CENTRAL BRUSH**

The central brush, with its V shaped bristles, combined with the front flap and a compact system, guarantee high productivity in any environment.

The self-levelling system (SLS) – available only for model 175, keeps a correct and constant pressure of the brush to the floor, avoiding extra wear and reducing maintenance costs.

The 'No Tools System' enables both inspection and replacement of the central brush.



## **LIQUID-COOLED ENGINES**

The liquid-cooling system within IPC machines guarantees long work shifts, even in hot climate countries.



# **STURDINESS**

## **HYDRAULIC SYSTEM**

Designed to grant maximum protection against particulates.

Fan and traction brush motor are activated by a hydraulic circuit.

Special protection filters placed on the endothermic motor guarantee maximum reliability even in demanding locations.



## **DRIVING SYSTEM**

The driving system is improved thanks to a back wheel, which facilitates repositioning and maneuverability in industrial areas and locations.



# **APPLICATION FIELDS**

The industrial Sweepers range has been specifically created for cleaning tasks in any type of dusty area. These machines can collect any type of debris and guarantee a complete control over particulates.



## **CUSTOMISATION FOR ANY APPLICATION**

IPC sweeper can be customised with a wide range of accessories for more effective cleaning and specific tasks.



## **DUST AND PARTICULATES CONTROL**

- GORE FILTER- 5 YEARS WARRANTY
- BRUSHES DUST PROTECTION COVERS
- REAR SUCTION HOSE
- REAR BRUSHES HYDRAULIC SYSTEM



## **SAFETY**

- FRONT AND REAR LIGHT SYSTEM
- OPEN CABIN
- REAR-VIEW MIRRORS
- FLASHING BEACON



## **COMFORT**

- CLOSED CABIN WITH AIR CONDITIONING SYSTEM (AVAILABLE ONLY FOR MODEL 195)
- SPRUNG SEAT WITH SEATBELT AND ARMREST
- HEATING SYSTEM
- PNEUMATIC /SUPERELASTIC/NON-MARKING WHEELS



## **VERSATILITY**

- LEFT SIDE BRUSH
- THIRD SIDE BRUSH (ONLY FOR MODEL 195)
- NYLON/ SOFT / MIXED STEEL CENTRAL BRUSHES AVAILABLE
- DOUBLE FILTERING CARTRIDGE MOTORS AVAILABLE

# INDUSTRIAL RANGE



**NEW** 

155

MAX PRODUCTIVITY

 $10080 \, \text{m}^2/\text{h}$   $750 \, \text{mm}$   $12-36 \, \text{v}$ 

MAIN BRUSH PATH

**VOLTAGE SYSTEM** 



BATTERY VERSION - BATTERY AND BATTERY CHARGER NOT INCLUDED

## **MOST FREQUENTLY USE**

**LIGHT INDUSTRY** 

**HEAVY INDUSTRY** 

**CLEANING CONTRACTORS** 

BSC

## **SPECS**



PANEL FILTER



NO TOOLS REQUIRED TO REPLACE THE CENTRAL BRUSH



HYDRAULIC CIRCUIT

Code		MSUBUU457	MSUBUU458	MSUBUU46U	MSUBUU451
PERFORMANCE					
Main brush cleaning path width	mm	750	750	750	750
ide brush cleaning path width (1 brush)	mm	1140	1140	1140	1140
ide brush cleaning path width (2 brushes)	mm	1440	1440	1440	1440
ax theoretical productivity	m²/h	10080	10080	10080	10080
oltage	V-Ah	36	12	12	12
ngine brand		METAL ROTA	SUBARU	SUBARU	LOMBARDINI
nstalled power	KW	2,5	6,6	6,6	10,5
opper capacity	l	220	220	220	220
lopper Discarghe System	Type/mm	high-hydraulic -1325	high-hydraulic -1325	high-hydraulic -1325	high-hydraulic -1325
iltering surface	m <sup>2</sup>	6	6	6	6
ylter type		Pleated filter	Pleated filter	Pleated filter	Pleated filter
M 10 filtration	%	99 - 3 Micron	99 - 3 Micron	99 - 3 Micron	99 - 3 Micron
raction		rear hydraulic	rear hydraulic	rear hydraulic	rear hydraulic
lax speed	km/h	7	7	7	7
Max Climb	%	12	14	14	14
Veight whithout batteries Dimension (LxWxH)	kg	506 1990X1230X1380	506 1990X1230X1380	506 1990X1230X1380	622 1990X1230X1380
intension (Exwan)	mm	1770/1230/1300	1770/1230/1300	1770/1230/1300	1770/1230/1360
TANDARD ACCESSORIES		155 B	155 P	155 LPG	155 D
RUSHES					
PL main brush (standard)		SPPV02407	SPPV02418	SPPV02418	SPPV02429
PL side brush (standard)		SPPV02412	SPPV02423	SPPV02423	SPPV02434
DUCUES ONLY FOR NEW MAC	SUINE CON	ALFIC LIDATION			
BRUSHES ONLY FOR NEW MAC	THINE COL				
		155 B	155 P	155 LPG	155 D
ES Main brush		SPPV02405	SPPV02416	SPPV02416	SPPV02427
lylon main brush		SPPV02406	SPPV02417	SPPV02417	SPPV02428
loplen/ PPL0,8 main brush		SPPV02408	SPPV02419	SPPV02419	SPPV02430
lylon / Steel main brush		SPPV02409	SPPV02420	SPPV02420	SPPV02431
		SPPV02410	SPPV02421	SPPV02421	SPPV02432
PL / Steel main brush		SPPV02411	SPPV02422	CDD\/02/22	SPPV02433
• • • • • • • • • • • • • • • • • • • •				SPPVUZ4ZZ	
lylon side brush			SPPVN2//2/	SPPV02422 SPPV02424	
lylon side brush Iylon / Steel side brush		SPPV02413	SPPV02424 SPPV02425	SPPV02424	SPPV02435
Nylon side brush Nylon / Steel side brush PPL / Steel side brush Moplen/ PPL0,5 main brush BRUSHES - SPARE PARTS		SPPV02413 SPPV02414 SPPV02415	SPPV02425 SPPV02426		
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ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush loplen/ PPL0,5 main brush  RRUSHES - SPARE PARTS  IAIN BRUSHES PL main brush (standard brush) ES main brush ylon main brush loplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush loplen/ PPL0,5 main brush PL / Steel main brush coplen/ PPL0,5 main brush loplen/ PPL0,5 main brush loplen/ PPL0,5 main brush coplen/ PPL0,5 main brush loplen/ PPL0,5 main brush lo		SPPV02413 SPPV02414 SPPV02415  SIE SPPV02448 SPPV02472 SPPV02446 SPPV02450 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05525 - KTRI05527 - KTRI05528	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05535 KTRI05536 KTRI05537 KTRI05538 KTRI05539 KTRI05540 KTRI05540 KTRI05541 KTRI05542 KTRI05543	SPPV02424 SPPV02425 SPPV02426  155 LPG KTRI05534 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05543	SPPV02435 SPPV02436 SPPV02437 SPPV02445 SPPV02449 SPPV02453 SPPV02453 SPPV02453 SPPV02453 KTRI05550 KTRI05551 KTRI05552 KTRI05554 KTRI05555 KTRI05555 KTRI05555 KTRI05555 KTRI05557 KTRI05558
ylon side brush ylon / Steel side brush PL / Steel side brush oplen/ PPL0,5 main brush  RRUSHES - SPARE PARTS  AIN BRUSHES PL main brush (standard brush) ES main brush ylon main brush oplen/ PPL0,8 main brush ylon / Steel main brush oplen/ PPL0,5		SPPV02413 SPPV02414 SPPV02415  SIE SPPV02448 SPPV02472 SPPV02446 SPPV02450 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05526 KTRI05527	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05536 KTRI05537 KTRI05538 KTRI05539 KTRI05539 KTRI05540 KTRI05540 KTRI05541 KTRI05542 KTRI05543 KTRI05543 KTRI05544	SPPV02424 SPPV02425 SPPV02426  155 LPG KTRI05534 KTRI05535 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05543 KTRI05543 KTRI05544	SPPV02435 SPPV02436 SPPV02437 SPPV02445 SPPV02449 SPPV02453 SPPV02453 SPPV02453 SPPV02453 KTRI05550 KTRI05551 KTRI05552 KTRI05554 KTRI05555 KTRI05556 KTRI05556 KTRI05557 KTRI05558 KTRI05559 KTRI05559 KTRI05559
ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush loplen/ PPL0,5 main brush  RRUSHES - SPARE PARTS  JAIN BRUSHES PL main brush (standard brush) ES main brush ylon main brush loplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush loplen/ PPL0,5 main brush PD / Steel main brush loplen/ PPL0,5 main brush public cap eft side brush ight dust cap eft dust cap ront vacuum hose ouble cartridge (vacuum motor filter - Vortex powerhead guard eat with armrests ront tires uperalastic rear wheel oam filled front tires o marking superelastic wheels tainless steel tray (90 working days delivery tir omplete light system		SPPV02413 SPPV02414 SPPV02415  SIE SPPV02448 SPPV02472 SPPV02446 SPPV02450 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05525 - KTRI05527 - KTRI05528	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05535 KTRI05536 KTRI05537 KTRI05538 KTRI05539 KTRI05540 KTRI05540 KTRI05541 KTRI05542 KTRI05543	SPPV02424 SPPV02425 SPPV02426  155 LPG KTRI05534 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05543	SPPV02435 SPPV02436 SPPV02437 SPPV02445 SPPV02449 SPPV02453 SPPV02453 SPPV02453 SPPV02453 KTRI05550 KTRI05551 KTRI05552 KTRI05554 KTRI05555 KTRI05555 KTRI05555 KTRI05556 KTRI05557 KTRI05558 KTRI05559
ylon side brush ylon / Steel side brush PL / Steel side brush loplen/ PPL0,5 main brush  BRUSHES - SPARE PARTS  MAIN BRUSHES PL main brush (standard brush) ES main brush loplen/ PPL0,8 main brush loplen/ PPL0,8 main brush loplen/ PPL0,8 main brush PL / Steel main brush loplen/ PPL0,5 main brush  PD / Steel main brush loplen/ PPL0,5 main brush loplen/ PPL0,5 main brush  POPTIONAL ACCESSORIES  eft side brush light dust cap eft dust cap ront vacuum hose ouble cartridge (vacuum motor filter - Vortex possessed with armrests ront tires uperalastic rear wheel oam filled front tires lo marking superelastic wheels tainless steel tray (90 working days delivery tir omplete light system		SPPV02413 SPPV02414 SPPV02415  SIE SPPV02448 SPPV02472 SPPV02446 SPPV02450 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05526 KTRI05527	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05536 KTRI05537 KTRI05538 KTRI05539 KTRI05539 KTRI05540 KTRI05540 KTRI05541 KTRI05542 KTRI05543 KTRI05543 KTRI05544	SPPV02424 SPPV02425 SPPV02426  155 LPG KTRI05534 KTRI05535 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05543 KTRI05543 KTRI05544	SPPV02435 SPPV02436 SPPV02437 SPPV02445 SPPV02449 SPPV02453 SPPV02453 SPPV02453 SPPV02453 KTRI05550 KTRI05551 KTRI05552 KTRI05554 KTRI05555 KTRI05556 KTRI05556 KTRI05557 KTRI05558 KTRI05559 KTRI05559 KTRI05559
ylon side brush ylon / Steel side brush PL / Steel side brush loplen/ PPL0,5 main brush  BRUSHES - SPARE PARTS  MAIN BRUSHES PL main brush (standard brush) ES main brush loplen/ PPL0,8 main brush loplen/ PPL0,8 main brush PL / Steel main brush loplen/ PPL0,5 main brush PL / Steel main brush loplen/ PPL0,5 main brush loplen/ PPL0,5 main brush coplen/ PPL0,5 main brush loplen/ PPL0		SPPV02413 SPPV02414 SPPV02415  SIE SPPV02448 SPPV02472 SPPV02446 SPPV02450 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05525 - KTRI05526 KTRI05527 - KTRI05528 KTRI05529 KTRI05529 KTRI05530	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05535 KTRI05536 KTRI05537 KTRI05538 KTRI05539 KTRI05540 KTRI05540 KTRI05541 KTRI05542 KTRI05543 KTRI05543 KTRI05544 KTRI05545	SPPV02424 SPPV02425 SPPV02426  155 LPG KTRI05534 KTRI05535 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05543 KTRI05543 KTRI05544	SPPV02435 SPPV02436 SPPV02437 SPPV02445 SPPV02449 SPPV02453 SPPV02453 SPPV02453 SPPV02453 KTRI05550 KTRI05551 KTRI05552 KTRI05554 KTRI05555 KTRI05556 KTRI05556 KTRI05557 KTRI05558 KTRI05559 KTRI05559 KTRI05559
ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush loplen/ PPL0,5 main brush  RRUSHES - SPARE PARTS  IAIN BRUSHES PL main brush (standard brush) ES main brush loplen/ PPL0,8 main brush loplen/ PPL0,8 main brush PL / Steel main brush loplen/ PPL0,5 main brush PD / Steel main brush loplen/ PPL0,5 m		SPPV02413 SPPV02414 SPPV02415  SIE SPPV02448 SPPV02472 SPPV02446 SPPV02450 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05525 - KTRI05526 KTRI05527 - KTRI05528 KTRI05529 KTRI05529 KTRI05530	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534  KTRI05536  KTRI05537  -  KTRI05538  KTRI05539  KTRI05539  KTRI05540  KTRI05541  KTRI05542  KTRI05543  KTRI05543  KTRI05543  KTRI05544  KTRI05545	SPPV02424 SPPV02425 SPPV02426  SPPV02426  Sh)  155 LPG KTRI05534 KTRI05535 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05542 KTRI05543 KTRI05543 KTRI05544 KTRI05544	SPPV02435 SPPV02436 SPPV02437 SPPV02445 SPPV02449 SPPV02453 SPPV02453 SPPV02453 SPPV02453 KTRI05550 KTRI05551 KTRI05552 KTRI05554 KTRI05555 KTRI05556 KTRI05556 KTRI05557 KTRI05558 KTRI05559 KTRI05559 KTRI05559
ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush loplen/ PPL0,5 main brush  RRUSHES - SPARE PARTS  IAIN BRUSHES PL main brush (standard brush) ES main brush loplen/ PPL0,8 main brush ylon main brush loplen/ PPL0,8 main brush PL / Steel main brush loplen/ PPL0,5 main brush PD / Steel main brush loplen/ PPL0,5 main brush		SPPV02413 SPPV02414 SPPV02415  SIE SPPV02448 SPPV02472 SPPV02472 SPPV02450 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05525 - KTRI05526 KTRI05527 KTRI05528 KTRI05529 KTRI05530 KTRI05531	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05536 KTRI05536 KTRI05537 KTRI05538 KTRI05539 KTRI05540 KTRI05540 KTRI05541 KTRI05542 KTRI05542 KTRI05543 KTRI05543 KTRI05544 KTRI05545 - KTRI05545	SPPV02424 SPPV02425 SPPV02426  SPPV02426  Sh)  155 LPG KTRI05534 KTRI05535 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05542 KTRI05543 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544	SPPV02435 SPPV02436 SPPV02437 SPPV02445 SPPV02449 SPPV02453 SPPV02453 SPPV02453 SPPV02453 KTRI05550 KTRI05551 KTRI05552 KTRI05554 KTRI05555 KTRI05556 KTRI05557 KTRI05556 KTRI05557 KTRI05558 KTRI05559 KTRI05560 KTRI05561
lylon side brush lylon / Steel side brush PL / Steel side brush PDL / Steel side brush Roplen/ PPL0,5 main brush  BRUSHES - SPARE PARTS  MAIN BRUSHES PL main brush (standard brush) PSS main brush Roplen/ PPL0,8 main brush Roplen/ PPL0,8 main brush Roplen/ PPL0,5 main brush Ropl	me)	SPPV02413 SPPV02414 SPPV02415  SIL SPPV02448 SPPV02472 SPPV02472 SPPV02450 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05525 - KTRI05527 KTRI05528 KTRI05529 KTRI05530 KTRI05531 - KTRI05532	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05542 KTRI05543 KTRI05543 KTRI05544 KTRI05545 - KTRI05545 - KTRI05546 KTRI05547	SPPV02424 SPPV02425 SPPV02426  SPPV02426  Sh)  155 LPG KTRI05534 KTRI05535 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05545 - KTRI05546 KTRI05546	SPPV02435 SPPV02436 SPPV02437 SPPV02445 SPPV02449 SPPV02451 SPPV02453 SPPV02453 KTRI05550 KTRI05551 KTRI05552 KTRI05554 KTRI05555 KTRI05556 KTRI05556 KTRI05556 KTRI05556 KTRI05556 KTRI05560 KTRI05560 KTRI05561
ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush Ioplen/ PPL0,5 main brush  BRUSHES - SPARE PARTS  IAIN BRUSHES PL main brush (standard brush) ES main brush Ioplen/ PPL0,8 main brush Ioplen/ PPL0,8 main brush Ioplen/ PPL0,5 main brush Ioplen/ PPL0,5 main brush Ioplen/ PPL0,5 main brush  POPTIONAL ACCESSORIES  eft side brush ight dust cap eft dust cap eft dust cap ront vacuum hose ouble cartridge (vacuum motor filter - Vortex powerhead guard eat with armrests ront tires uperalastic rear wheel oam filled front tires Io marking superelastic wheels tainless steel tray (90 working days delivery tire omplete light system atteries carrier PG system (tank not included) extile Gore filter (5 years warranty) rotective surface treatment (Ocean freight)	me)	SPPV02413 SPPV02414 SPPV02415  SIL SPPV02448 SPPV02472 SPPV02446 SPPV02452 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05526 KTRI05527	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05542 KTRI05543 KTRI05543 KTRI05544 KTRI05545 - KTRI05545 - KTRI05546 KTRI05547	SPPV02424 SPPV02425 SPPV02426  SPPV02426  Sh)  155 LPG KTRI05534 KTRI05535 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05545 - KTRI05546 KTRI05546	SPPV02435 SPPV02436 SPPV02436 SPPV02437  SPPV02445 SPPV02449 SPPV02449 SPPV02453  155 D KTRI05549 KTRI05550 KTRI05551 KTRI05552 KTRI05553 KTRI05554 KTRI05555 KTRI05556 KTRI05556 KTRI05556 KTRI05556 KTRI05556 KTRI05556 KTRI05560 KTRI05561
Aylon side brush Aylon / Steel side brush Aylon / Steel side brush Apple / PPL0,5 main brush ANN BRUSHES ANN BR	me)  RGERS  05531)	SPPV02413 SPPV02414 SPPV02415  SIL SPPV02448 SPPV02472 SPPV02446 SPPV02452 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05526 KTRI05527	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05542 KTRI05543 KTRI05543 KTRI05544 KTRI05545 - KTRI05545 - KTRI05546 KTRI05547	SPPV02424 SPPV02425 SPPV02426  SPPV02426  Sh)  155 LPG KTRI05534 KTRI05535 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05545 - KTRI05546 KTRI05546	SPPV02435 SPPV02436 SPPV02436 SPPV02437  SPPV02445 SPPV02449 SPPV02449 SPPV02453  155 D KTRI05549 KTRI05550 KTRI05551 KTRI05552 KTRI05553 KTRI05554 KTRI05555 KTRI05556 KTRI05556 KTRI05556 KTRI05556 KTRI05556 KTRI05556 KTRI05560 KTRI05561
Aylon side brush Aylon / Steel side brush Aylon / Steel side brush Applen / PPL0,5 main brush Applen / PPL0,5 main brush Applen / PPL0,5 main brush All BRUSHES AMIN BRUSHES APPL main brush (standard brush) Aylon main brush Aylon main brush Aylon / Steel main brush Aylon / Steel main brush Applen / PPL0,8 main brush Applen / PPL0,5 main brush A	me)  RGERS  05531)	SPPV02413 SPPV02414 SPPV02415  SIL SPPV02448 SPPV02472 SPPV02446 SPPV02450 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05526 KTRI05527	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05542 KTRI05543 KTRI05543 KTRI05544 KTRI05545 - KTRI05545 - KTRI05546 KTRI05547	SPPV02424 SPPV02425 SPPV02426  SPPV02426  Sh)  155 LPG KTRI05534 KTRI05535 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05545 - KTRI05546 KTRI05546	SPPV02435 SPPV02436 SPPV02437 SPPV02445 SPPV02449 SPPV02449 SPPV02453 SPPV02
PPL / Steel main brush Nylon side brush Nylon / Steel side brush PPL / Steel side brush Moplen/ PPL0,5 main brush  BRUSHES - SPARE PARTS  MAIN BRUSHES PPL main brush (standard brush) PES main brush Nylon main brush Nylon main brush Nylon / Steel main brush PPL / Steel main brush Moplen/ PPL0,8 main brush PPL / Steel main brush Moplen/ PPL0,5 main brush PPL / Steel main brush POPTIONAL ACCESSORIES  Left side brush Right dust cap Left dust cap Left dust cap Left dust cap Couble cartridge (vacuum motor filter - Vortex powerhead guard Geat with armrests Front tires Superalastic rear wheel Foam filled front tires No marking superelastic wheels Stainless steel tray (90 working days delivery tir Complete light system Batteries carrier LPG system (tank not included) Fextile Gore filter (5 years warranty) Protective surface treatment (Ocean freight)  BATTERIES AND BATTERY CHAR S batteries set (6V 190Ah AGM) (only with KTRIO Battery Charger 400 / 36V - 60 Ah (only for BAAG Wet battery tray 36V 320 Ah Battery Charger 230 / 36V - 25 Ah (only for BAAG Wet battery Charger 230 / 36V - 25 Ah (only for BAAG Battery Charger 230 / 36V - 25 Ah (only for BAAG	me)  RGERS  05531)  C00183)	SPPV02413 SPPV02414 SPPV02415  SIL SPPV02448 SPPV02472 SPPV02446 SPPV02452 SPPV02450 SPPV02473  155 B KTRI05522 KTRI05523 KTRI05524 KTRI05525 - KTRI05526 KTRI05527	SPPV02425 SPPV02426  DE BRUSHES PL side brush (standard bru ylon side brush ylon / Steel side brush PL / Steel side brush PL / Steel side brush  T55 P  KTRI05534 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05542 KTRI05543 KTRI05543 KTRI05544 KTRI05545 - KTRI05545 - KTRI05546 KTRI05547	SPPV02424 SPPV02425 SPPV02426  SPPV02426  Sh)  155 LPG KTRI05534 KTRI05535 KTRI05536 KTRI05537 - KTRI05538 KTRI05539 KTRI05540 KTRI05541 KTRI05542 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05544 KTRI05545 - KTRI05546 KTRI05546	SPPV02435 SPPV02436 SPPV02437 SPPV02445 SPPV02449 SPPV02449 SPPV02453 SPPV02

155 B

MSUB00457

155 P

MSUB00458

155 LPG

MSUB00460

155 D

MSUB00451

**TECHNICAL DATA** 

Code

**NEW** 

165

MAX PRODUCTIVITY

11200 m<sup>2</sup>/h 900 mm

MAIN BRUSH PATH

**VOLTAGE SYSTEM** 

12-36 v



BATTERY VERSION - BATTERY AND BATTERY CHARGER NOT INCLUDED

## **MOST FREQUENTLY USE**

**LIGHT INDUSTRY** 

HEAVY INDUSTRY

LOGISTIC

BSC

**SPECS** 

MAIN BRUSH WITH V-SHAPED **BRISTLES** 



STURDY AND INTUITIVE CONTROLS



HYDRAULIC CIRCUIT

## **TECHNICAL DATA**

		165 B	165 D
Code		MSUB00456	MSUB00450
PERFORMANCE			
Main brush cleaning path width	mm	900	900
Side brush cleaning path width (1 brush)	mm	1250	1250
Side brush cleaning path width (2 brushes)	mm	1600	1600
Max theoretical productivity	m²/h	11200	11200
Voltage	V-Ah	36	12
Engine brand		BEST MOTOR	LOMBARDINI
Installed power	KW	2,8	10,3
Hopper capacity	l	340	340
Hopper Discarghe System	Type/mm	high-hydraulic -1350	high-hydraulic -1350
Filtering surface	m <sup>2</sup>	6	6
Fylter type		Pleated filter	Pleated filter
PM 10 filtration	%	99 - 3 Micron	99 - 3 Micron
Traction		rear hydraulic	rear hydraulic
Max speed	km/h	7	7
Max Climb	%	12	14
Weight whithout batteries	kg	616	662
Dimension (LxWxH)	mm	2220X1350X1455	2220X1350X1455

## STANDARD ACCESSORIES

165 B	165 D
SPPV02385	SPPV02396
SPPV02390	SPPV02401
	SPPV02385

## **BRUSHES - ONLY FOR NEW MACHINE CONFIGURATION**

	165 B	165 D
PES Main brush	SPPV02383	SPPV02394
Nylon main brush	SPPV02384	SPPV02395
Moplen/ PPL0,8 main brush	SPPV02386	SPPV02397
Nylon / Steel main brush	SPPV02387	SPPV02398
PPL / Steel main brush	SPPV02388	SPPV02399
Nylon side brush	SPPV02389	SPPV02400
Nylon / Steel side brush	SPPV02391	SPPV02402
PPL / Steel side brush	SPPV02392	SPPV02403
Moplen/ PPL0,5 main brush	SPPV02393	SPPV02404

## **BRUSHES - SPARE PARTS**

MAIN BRUSHES	SIDE BRUSHES

WIT WIT BITOOTIES		OIDE BROOFIEG	
PPL main brush (standard brush)	SPPV02385	PPL side brush (standard brush)	SPPV02390
PES main brush	SPPV02461	Nylon side brush	SPPV02474
Nylon main brush	SPPV02457	Nylon / Steel side brush	SPPV02476
Moplen/ PPL0,8 main brush	SPPV02455	PPL / Steel side brush	SPPV02477
Nylon / Steel main brush	SPPV02459		
PPL / Steel main brush	SPPV02456		
Moplen / PPL / Steel main brush	SPPV02458		
Moplen/ PPL0,5 main brush	SPPV02478		

## **OPTIONAL ACCESSORIES**

	165 B	165 D
Left side brush	KTRI05477	KTRI05489
Right dust cap	KTRI05478	KTR105490
Left dust cap (only with KTRI05477 and KTRI05478)	KTRI05479	KTRI05491
Front vacuum Hose	KTRI05480	KTRI05492
Double cartridge (vacuum motor - Vortex pre-filter)	-	KTRI05493
Overhead guard	KTRI05481	KTRI05494
Seat with armrests	KTRI05482	KTRI05495
Foam filled front tires	-	KTR105496
No marking superelastic wheels	KTRI05483	KTRI05497
Stainless steel tray (90 working days delivery time)	KTRI05484	KTRI05498
Complete light system	KTRI05485	KTR105499
Textile Gore filter (5 years warranty)	KTRI05486	KTRI05520
Protective surface treatment (Ocean freight)	KTRI05487	KTRI05521

## **BATTERIES AND BATTERY CHARGERS**

Wet battery tray 36V 320 Ah	BAAC00181	-
Battery Charger 400 / 36V - 60 Ah	BACA00260	-

**NEW** 

175

MAX PRODUCTIVITY

MAIN BRUSH PATH

**VOLTAGE SYSTEM** 

13500  $m^2/h$ 

12-36 v



BATTERY VERSION - BATTERY AND BATTERY CHARGER NOT INCLUDED

## **MOST FREQUENTLY USE**

## **INNOVATIONS**

**LIGHT INDUSTRY** 



SELF LEVELING SYSTEM

HEAVY INDUSTRY

**SPECS** 

LOGISTIC

**MUNICIPALITIES** 



AUTOMATIC BRUSH **PRESSION** 



FILTER REPLACEMENT WITHOUT TOOLS



LIGHT SYSTEM AS STANDARD **EQUIPMENT** 

Code		175 B	175 P	175 LPG	175 D
		MSUB00454	MSUB00455	MSUB00461	MSUB00449
PERFORMANCE					
Main brush cleaning path width	mm	900	900	900	900
ide brush cleaning path width (1 brush)	mm	1200	1200	1200	1200
ide brush cleaning path width (2 brushes)	mm	1500	1500	1500	1500
lax theoretical productivity	m²/h	9000	13500	13500	13500
oltage	V-Ah	36	12	12	12
ngine brand		METAL ROTA	KUBOTA	KUBOTA	KUBOTA
stalled power	KW	2,8	16,4	16,4	10,3
opper capacity	l	340	340	340	340
opper Discarghe System	Type/mm	high-hydraulic -135	9 ,	high-hydraulic -1350	high-hydraulic -13
iltering surface	m²	4,3	4,3	4,3	4,3
ylter type		Pleated filter	Pleated filter	Pleated filter	Pleated filter
M 10 filtration	%	99 - 3 Micron	99 - 3 Micron	99 - 3 Micron	99 - 3 Micron
raction		rear hydraulic	rear hydraulic	rear hydraulic	rear hydraulic
1ax speed	km/h	6	9	9	9
lax Climb	%	13	18	18	18
leight whithout batteries	kg	363	703	703	692
imension (LxWxH)	mm	2030X1210X1455	2030X1210X1455	2030X1210X1455	2030X1210X1455
TANDARD ACCESSORIES		175 B	175 P/LPG	175 P/LPG	175 D
RUSHES					
PL main brush		SPPV02349	SPPV02361	SPPV02361	SPPV02373
PL side brush		SPPV02355	SPPV02367	SPPV02367	SPPV02379
RUSHES - ONLY FOR NEW MAC	HINE CON	NFIGURATION			
		175 B	175 P/LPG	175 P/LPG	175 D
ES Main brush		SPPV02347	SPPV02359	SPPV02359	SPPV02371
ylon main brush		SPPV02348	SPPV02360	SPPV02360	SPPV02372
Ioplen / PPL0,8 main brush		SPPV02350	SPPV02362	SPPV02362	SPPV02374
lylon / Steel main brush		SPPV02351	SPPV02363	SPPV02363	SPPV02375
PPL / Steel main brush		SPPV02352	SPPV02364	SPPV02364	SPPV02376
Noplen / PPL / Steel main brush		SPPV02353	SPPV02365	SPPV02365	SPPV02377
lylon side brush		SPPV02354	SPPV02366	SPPV02366	SPPV02378
lylon / Steel side brush		SPPV02356	SPPV02368	SPPV02368	SPPV02380
PPL / Steel side brush		SPPV02357	SPPV02369	SPPV02369	SPPV02381
1oplen/ PPL0,5 main brush		SPPV02358	SPPV02370	SPPV02370	SPPV02382
BRUSHES - SPARE PARTS					
			SIDE BRUSHES		
MAIN BRUSHES			SIDE BRUSHES  PPL side brush (standard brus	shl	SPPV02390
MAIN BRUSHES PL main brush (standard brush)		SPPV02385	PPL side brush (standard brus	sh)	SPPV02390 SPPV02474
MAIN BRUSHES PPL main brush (standard brush) PES main brush		SPPV02385 SPPV02461	PPL side brush (standard brush	sh)	SPPV02474
MAIN BRUSHES PPL main brush (standard brush) PES main brush Nylon main brush		SPPV02385 SPPV02461 SPPV02457	PPL side brush (standard brus	sh)	SPPV02474 SPPV02476
MAIN BRUSHES PPL main brush (standard brush) PES main brush Nylon main brush Moplen/ PPL0,8 main brush		SPPV02385 SPPV02461 SPPV02457 SPPV02455	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush	sh)	SPPV02474
BRUSHES - SPARE PARTS MAIN BRUSHES PPL main brush (standard brush) PES main brush Mylon main brush Moplen/ PPL0,8 main brush Mylon / Steel main brush PPL / Steel main brush		SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush	sh)	SPPV02474 SPPV02476
MAIN BRUSHES PL main brush (standard brush) ES main brush lylon main brush loplen/ PPL0,8 main brush lylon / Steel main brush PL / Steel main brush		SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush	sh)	SPPV02474 SPPV02476
MAIN BRUSHES PL main brush (standard brush) PES main brush Iylon main brush Ioplen/ PPL0,8 main brush Iylon / Steel main brush IPL / Steel main brush Ioplen / PPL / Steel main brush		SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush	sh)	SPPV02474 SPPV02476
MAIN BRUSHES PPL main brush (standard brush) PES main brush Moplen/ PPL0,8 main brush Mylon / Steel main brush PPL / Steel main brush Moplen / PPL / Steel main brush Moplen / PPL / Steel main brush Moplen / PPL0,5 main brush		SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02458	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush	sh) 175 P/LPG	SPPV02474 SPPV02476
MAIN BRUSHES PPL main brush (standard brush) PES main brush Mylon main brush Moplen/ PPL0,8 main brush Mylon / Steel main brush PPL / Steel main brush Moplen / PPL / Steel main brush Moplen / PPL / Steel main brush Moplen / PPL0,5 main brush Moplen / PPL0,5 main brush		SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02458 SPPV02478	PPL side brush (standard bru: Nylon side brush Nylon / Steel side brush PPL / Steel side brush	175 P/LPG	SPPV02474 SPPV02476 SPPV02477
ALAIN BRUSHES PL main brush (standard brush) ES main brush ylon main brush loplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush loplen / PPL / Steel main brush loplen / PPL / Steel main brush loplen / PPL0,5 main brush PPTIONAL ACCESSORIES  eft side brush		SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02458 SPPV02478	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side brush PPL from Steel side brush Steel side brush Nylon /	<b>175 P/LPG</b> KTRI05448	SPPV02474 SPPV02476 SPPV02477
PL main brush (standard brush) ES main brush ylon main brush loplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush loplen / PPL / Steel main brush loplen / PPL / Steel main brush loplen / PPL / Steel main brush loplen / PPL0,5 main brush  PPTIONAL ACCESSORIES  eft side brush ight dust cap	5)	SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02478 175 B  KTRI05434 KTRI05435	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side brush PPL / Steel side brush   175 P/LPG  KTRI05448  KTRI05449	<b>175 P/LPG</b> KTRI05448  KTRI05449	SPPV02474 SPPV02476 SPPV02477 175 D  KTRI05462 KTRI05463
AIN BRUSHES PL main brush (standard brush) ES main brush ylon main brush oplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush oplen / PPL / Steel main brush oplen / PPL / Steel main brush oplen / PPL0,5 main brush  PTIONAL ACCESSORIES  eft side brush ight dust cap eft dust cap (only with KTRI05434 and KTRI05435)	5)	SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02478 175 B  KTRI05434 KTRI05435 KTRI05436	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side brush PPL / Steel side brush RTR105448 KTR105449 KTR105450	175 P/LPG  KTRI05448  KTRI05449  KTRI05450	SPPV02474 SPPV02476 SPPV02477 175 D  KTRI05462 KTRI05463 KTRI05464
AIN BRUSHES PL main brush (standard brush) ES main brush ylon main brush oplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush oplen / PPL / Steel main brush oplen / PPL0,5 main brush  PTIONAL ACCESSORIES  eft side brush ight dust cap eft dust cap (only with KTRI05434 and KTRI05435 ront vacuum hose		SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02478 175 B  KTRI05434 KTRI05435 KTRI05436	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side brush PPL / Steel side brush   175 P/LPG  KTRI05448  KTRI05449	<b>175 P/LPG</b> KTRI05448  KTRI05449	SPPV02474 SPPV02476 SPPV02477 175 D KTRI05462 KTRI05463 KTRI05464 KTRI05465
PL main brush (standard brush) ES main brush ylon main brush loplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush loplen / PPL / Steel main brush loplen / PPL0,5 main brush PDPTIONAL ACCESSORIES  eft side brush ight dust cap eft dust cap (only with KTRI05434 and KTRI05435 ront vacuum hose ouble cartridge (vacuum motor - Vortex pre-filte		SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02458 SPPV02478 175 B  KTRI05434 KTRI05435 KTRI05436	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side brush PPL / Steel side brush RTR105448 KTR105449 KTR105450 KTR105451	175 P/LPG  KTRI05448  KTRI05449  KTRI05450  KTRI05451	SPPV02474 SPPV02476 SPPV02477 175 D  KTRI05462 KTRI05463 KTRI05464 KTRI05465 KTRI05466
PL main brush (standard brush) ES main brush ylon main brush loplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush loplen / PPL / Steel main brush loplen / PPL / Steel main brush PDPTIONAL ACCESSORIES  eft side brush ight dust cap eft dust cap (only with KTRI05434 and KTRI05435 ront vacuum hose ouble cartridge (vacuum motor - Vortex pre-filteverhead guard		SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02458 SPPV02478 175 B  KTRI05434 KTRI05435 KTRI05437 - KTRI05438	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side b	175 P/LPG  KTRI05448  KTRI05449  KTRI05450  KTRI05451  -  KTRI05452	SPPV02474 SPPV02476 SPPV02477 175 D  KTRI05462 KTRI05463 KTRI05464 KTRI05465 KTRI05466 KTRI05467
PL main brush (standard brush) ES main brush lylon main brush lylon PPL0,8 main brush lylon / Steel main brush PL / Steel main brush loplen / PPL / Steel main brush loplen / PPL / Steel main brush  PDPTIONAL ACCESSORIES  eft side brush light dust cap eft dust cap (only with KTRI05434 and KTRI05435 ront vacuum hose louble cartridge (vacuum motor - Vortex pre-filte verhead guard eat with armrests		SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02478 175 B KTRI05434 KTRI05435 KTRI05436 KTRI05437 - KTRI05438 KTRI05439	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side b	175 P/LPG  KTRI05448  KTRI05449  KTRI05450  KTRI05451  -  KTRI05452  KTRI05453	SPPV02474 SPPV02476 SPPV02477  175 D  KTRI05462 KTRI05463 KTRI05464 KTRI05465 KTRI05466 KTRI05467 KTRI05468
IAIN BRUSHES PL main brush (standard brush) ES main brush ylon main brush loplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush loplen / PPL / Steel main brush loplen / PPL / Steel main brush PDPTIONAL ACCESSORIES  eft side brush ight dust cap eft dust cap for dust cap (only with KTRI05434 and KTRI05435 ront vacuum hose ouble cartridge (vacuum motor - Vortex pre-filte verhead guard eat with armrests verhead guard with frontal wind shield	er)	SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02478 175 B  KTRI05434 KTRI05435 KTRI05436 KTRI05437 - KTRI05438 KTRI05439 KTRI05440	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side b	175 P/LPG  KTRI05448  KTRI05449  KTRI05450  KTRI05451  -  KTRI05452  KTRI05453  KTRI05454	SPPV02474 SPPV02476 SPPV02477  175 D  KTRI05462 KTRI05463 KTRI05464 KTRI05465 KTRI05466 KTRI05467 KTRI05468 KTRI05469
PL main brush (standard brush) ES main brush ylon main brush loplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush loplen / PPL / Steel main brush loplen / PPL / Steel main brush PPTIONAL ACCESSORIES  eft side brush ight dust cap eft dust cap (only with KTRI05434 and KTRI05438 ront vacuum hose ouble cartridge (vacuum motor - Vortex pre-filte verhead guard eat with armrests verhead guard with frontal wind shield verhead guard with frontal wind shield and perime	er)	SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02478 175 B KTRI05434 KTRI05435 KTRI05436 KTRI05437 - KTRI05438 KTRI05439 KTRI05440 KTRI05441	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side b	175 P/LPG  KTRI05448  KTRI05449  KTRI05450  KTRI05451  -  KTRI05452  KTRI05453  KTRI05454  KTRI05455	SPPV02474 SPPV02476 SPPV02477  175 D  KTRI05462 KTRI05463 KTRI05464 KTRI05465 KTRI05466 KTRI05467 KTRI05468 KTRI05469 KTRI05470
PL main brush (standard brush) ES main brush ylon main brush loplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush loplen / PPL / Steel main brush loplen / PPL / Steel main brush PPTIONAL ACCESSORIES  eft side brush ight dust cap eft dust cap (only with KTRI05434 and KTRI05438 ront vacuum hose ouble cartridge (vacuum motor - Vortex pre-filte verhead guard eat with armrests verhead guard with frontal wind shield verhead guard with frontal wind shield and perime to marking superelastic wheels	er)	SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02478 175 B KTRI05434 KTRI05435 KTRI05436 KTRI05437 - KTRI05438 KTRI05439 KTRI05440 KTRI05441 KTRI05441	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side b	175 P/LPG  KTRI05448  KTRI05449  KTRI05450  KTRI05451  -  KTRI05452  KTRI05453  KTRI05454  KTRI05455  KTRI05456	SPPV02474 SPPV02476 SPPV02477  175 D  KTRI05462 KTRI05463 KTRI05464 KTRI05465 KTRI05466 KTRI05467 KTRI05468 KTRI05469 KTRI05470 KTRI05471
PL main brush (standard brush) ES main brush ylon main brush loplen/ PPL0,8 main brush ylon / Steel main brush PL / Steel main brush loplen / PPL / Steel main brush loplen / PPL / Steel main brush loplen / PPL / Steel main brush PPTIONAL ACCESSORIES  eft side brush ight dust cap eft dust cap (only with KTRI05434 and KTRI05438 ront vacuum hose ouble cartridge (vacuum motor - Vortex pre-filte verhead guard eat with armrests verhead guard with frontal wind shield verhead guard with frontal wind shield and perime to marking superelastic wheels oam filled front tires	er)	SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02456 SPPV02478 175 B  KTRI05434 KTRI05434 KTRI05436 KTRI05437 - KTRI05438 KTRI05439 KTRI05440 KTRI05441 KTRI05441	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side b	175 P/LPG  KTRI05448  KTRI05449  KTRI05450  KTRI05451  -  KTRI05452  KTRI05453  KTRI05454  KTRI05456  KTRI05456  KTRI05457	SPPV02474 SPPV02476 SPPV02477  175 D  KTRI05462 KTRI05463 KTRI05464 KTRI05465 KTRI05466 KTRI05467 KTRI05469 KTRI05470 KTRI05471 KTRI05472
PL main brush (standard brush) ES main brush Isylon main brush Ioplen/ PPL0,8 main brush Ioplen/ PPL0,8 main brush Ioplen/ PPL0,8 main brush Ioplen / PPL / Steel main brush Ioplen / PPL / Steel main brush Ioplen/ PPL0,5 main b	er) etral rain shield	SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02458 SPPV02478 175 B  KTRI05434 KTRI05434 KTRI05435 KTRI05436 KTRI05437 - KTRI05438 KTRI05439 KTRI05440 KTRI05441 KTRI05441 KTRI05442 KTRI05443 KTRI05444	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side b	175 P/LPG  KTRI05448  KTRI05449  KTRI05450  KTRI05451   KTRI05452  KTRI05453  KTRI05454  KTRI05456  KTRI05456  KTRI05457  KTRI05458	SPPV02474 SPPV02476 SPPV02477  175 D  KTRI05462 KTRI05463 KTRI05464 KTRI05465 KTRI05466 KTRI05467 KTRI05469 KTRI05470 KTRI05471 KTRI05472 KTRI05473
PL main brush (standard brush) ES main brush Isylon main brush Ioplen/ PPL0,8 main brush Ioplen/ PPL0,8 main brush Ioplen/ PPL0,8 main brush Ioplen / PPL / Steel main brush Ioplen / PPL / Steel main brush Ioplen/ PPL0,5 main b	er) etral rain shield	SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02458 SPPV02478 175 B  KTRI05434 KTRI05435 KTRI05436 KTRI05437 - KTRI05438 KTRI05439 KTRI05440 KTRI05441 KTRI05441 KTRI05442 KTRI05443 KTRI05444 KTRI05444	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side b	175 P/LPG  KTRI05448  KTRI05449  KTRI05450  KTRI05451  -  KTRI05452  KTRI05453  KTRI05454  KTRI05456  KTRI05456  KTRI05457  KTRI05458  KTRI05459	SPPV02474 SPPV02476 SPPV02477  175 D  KTRI05462 KTRI05463 KTRI05464 KTRI05465 KTRI05466 KTRI05466 KTRI05469 KTRI05470 KTRI05471 KTRI05472 KTRI05473 KTRI05474
MAIN BRUSHES PPL main brush (standard brush) PES main brush Mylon main brush Moplen/ PPL0,8 main brush Mylon / Steel main brush	er) etral rain shield	SPPV02385 SPPV02461 SPPV02457 SPPV02455 SPPV02459 SPPV02458 SPPV02478 175 B  KTRI05434 KTRI05434 KTRI05435 KTRI05436 KTRI05437 - KTRI05438 KTRI05439 KTRI05440 KTRI05441 KTRI05441 KTRI05442 KTRI05443 KTRI05444	PPL side brush (standard brush Nylon side brush Nylon / Steel side brush PPL / Steel side b	175 P/LPG  KTRI05448  KTRI05449  KTRI05450  KTRI05451   KTRI05452  KTRI05453  KTRI05454  KTRI05456  KTRI05456  KTRI05457  KTRI05458	SPPV02474 SPPV02476 SPPV02477  175 D  KTRI05462 KTRI05463 KTRI05464 KTRI05465 KTRI05466 KTRI05466 KTRI05469 KTRI05470 KTRI05471 KTRI05472 KTRI05473

BAAC00180 BACA00259

**BATTERIES AND BATTERY CHARGERS** 

Wet battery tray 36V 320 Ah Battery Charger 400 / 36V - 60 Ah **INDUSTRIAL SWEEPERS** 

**NEW** 

195

MAX PRODUCTIVITY

 $20500 \, m^2/h$   $1200 \, mm$   $12-48 \, v$ 

MAIN BRUSH PATH

**VOLTAGE SYSTEM** 



BATTERY VERSION - BATTERY AND BATTERY CHARGER NOT INCLUDED

## **MOST FREQUENTLY USE**

## **LIGHT INDUSTRY**

**HEAVY INDUSTRY** 

LOGISTIC

**MUNICIPALITIES** 

## **SPECS**



HOPPER HATCH FOR BULKY WASTE AS STANDARD **EQUIPMENT** 



AIR-CONDITIONED CABIN



THIRD FRONTAL BRUSH

TECHNICAL DATA		105.0	105.5	105100	105.5
Code		<b>195 B</b> MSUB00452	<b>195 P</b> MSUB00453	<b>195 LPG</b> MSUB00462	<b>195 D</b> MSUB00448
PERFORMANCE		WI30B00432	M30B00433	M30D00402	M30B00440
Main brush cleaning path width	mm	1200	1200	1200	1200
Side brush cleaning path width	mm	1500	1500	1500	1500
Side brush cleaning path width	mm	1800	1800	1800	1800
ide brush cleaning path width (3° frontal brush)	mm	2050	2050	2050	2050
Max theoretical productivity	m²/h	16400/ 20500 m <sup>2</sup>	16400/ 20500 m <sup>2</sup>	16400/ 20500 m <sup>2</sup>	16400/ 20500 m
'oltage	V-Ah	48	12	12	12
ngine brand		AMRE	KUBOTA	KUBOTA	KUBOTA
nstalled power	KW	10	23	23	25
lopper capacity	l	450	450	450	450
lopper Discarghe System	Type/mm	high-hydraulic -1500	high-hydraulic -1500	high-hydraulic -1500	high-hydraulic -15
iltering surface	m <sup>2</sup>	10	10	10	10
Fylter type	0.4	Pleated filter	Pleated filter	Pleated filter	Pleated filter
PM 10 filtration	%	99 - 3 Micron	99 - 3 Micron	99 - 3 Micron	99 - 3 Micron
raction	//	rear hydraulic	rear hydraulic	rear hydraulic	rear hydraulic
Max speed	km/h	8	10	10	10
Max Climb	%	12	18	18	18
Veight whithout batteries	kg	1252 2500x1560x1540	1399 2500x1560x1540	1399 2500x1560x1540	1355 2500x1560x1540
limension (LxWxH)	mm	Z5UUX156UX154U	Z5UUX156UX154U	Z5UUX156UX154U	Z5UUX156UX154U
STANDARD ACCESSORIES		195 B	195 P	195 LPG	195 D
BRUSHES					
PPL main brush		SPPV02309	SPPV02322	SPPV02322	SPPV02335
PPL side brush		SPPV02316	SPPV02329	SPPV02329	SPPV02342
BRUSHES - ONLY FOR NEW MACHINE	CONFIGURATION		105.5	105100	105.5
		195 B	195 P	195 LPG	195 D
Nylon main brush		SPPV02308	SPPV02321	SPPV02321	SPPV02334
Moplen / PPL 0,8 main brush		SPPV02310	SPPV02323	SPPV02323	SPPV02336
Nylon / Steel main brush		SPPV02311	SPPV02324	SPPV02324	SPPV02337
PPL / Steel main brush		SPPV02312	SPPV02325	SPPV02325	SPPV02338
Moplen / PPL / Steel main brush PES Main brush		SPPV02313 SPPV02314	SPPV02326 SPPV02327	SPPV02326 SPPV02327	SPPV02339 SPPV02340
lylon side brush		SPPV02314	SPPV02327	SPPV02327	SPPV02340
Nylon / Steel side brush		SPPV02317	SPPV02330	SPPV02330	SPPV02343
PPL / Steel side brush		SPPV02318	SPPV02331	SPPV02331	SPPV02344
Steel side brush		SPPV02319	SPPV02332	SPPV02332	SPPV02345
Moplen/ PPL0,5 main brush		SPPV02320	SPPV02333	SPPV02333	SPPV02346
BRUSHES - SPARE PARTS					
MAIN BRUSHES		SIDE BRUSHE	S		
PPL main brush (standard brush)	SPPV02462	PPL side br	ush (standard brush)		SPPV02481
PES main brush	SPPV02479				SPPV02480
Nylon main brush	SPPV02465	-	el side brush		SPPV02482
Moplen/ PPL0,8 main brush	SPPV02463	•			SPPV02483
Nylon / Steel main brush					
	SPPV02467		i usii		SPPV02448
PPL / Steel main brush	SPPV02464				
Noplen / PPL / Steel main brush	SPPV02466				
Aoplen/ PPL0,5 main brush	SPPV02485	5			
OPTIONAL ACCESSORIES		195 B	195 P	195 LPG	195 D
eft side brush		KTRI05362	KTRI05383	KTRI05383	KTR105407
hird frontal brush (only with KTRI05379)		KTRI05363	KTRI05384	KTRI05384	KTRI05408
light dust cap (without KTRI05366 / KTRI05367)		KTRI05364	KTRI05385	KTRI05385	KTRI05409
eft dust cap (without KTRI05366 / KTRI05367 / With	KTRI05362)	KTRI05365	KTRI05386	KTRI05386	KTRI05410
letting system for right side brush with 80l tank (wit		KTRI05366	KTRI05387	KTRI05387	KTRI05411
letting system extension for left side brush (with KT	RI05366 / KTRI05362)	KTRI05367	KTR105388	KTRI05388	KTRI05412
letting system extension for third brush (with KTRIO	5366 / KTRI05363)	KTRI05368	KTRI05389	KTRI05389	KTRI05413
ront vacuum hose		KTRI05369	KTR105390	KTRI05390	KTRI05414
ertical exhaust		-	-	-	KTRI05415
ouble cartridge (vacuum motor - Vortex pre-filter)		-	-	-	KTRI05416
Notor filter clogging indicator		-	-	-	KTRI05417

OI HONAL ACCESSORIES				
Left side brush	KTRI05362	KTRI05383	KTRI05383	KTRI05407
Third frontal brush (only with KTRI05379)	KTRI05363	KTRI05384	KTRI05384	KTRI05408
Right dust cap (without KTRI05366 / KTRI05367)	KTRI05364	KTRI05385	KTRI05385	KTRI05409
Left dust cap (without KTRI05366 / KTRI05367 / With KTRI05362)	KTRI05365	KTRI05386	KTRI05386	KTRI05410
Wetting system for right side brush with 80l tank (with KTRI05379)	KTRI05366	KTRI05387	KTRI05387	KTRI05411
Wetting system extension for left side brush (with KTRI05366 / KTRI05362)	KTRI05367	KTRI05388	KTRI05388	KTRI05412
Wetting system extension for third brush (with KTRI05366 / KTRI05363)	KTRI05368	KTRI05389	KTRI05389	KTRI05413
Front vacuum hose	KTRI05369	KTRI05390	KTRI05390	KTRI05414
Vertical exhaust	-	-	-	KTRI05415
Double cartridge (vacuum motor - Vortex pre-filter)	-	-	-	KTRI05416
Motor filter clogging indicator	-	-	-	KTRI05417
Overhead guard with strobo beamer	KTRI05370	KTRI05391	KTRI05391	KTRI05418
Complete cage with windscreen wiper, rearview mirror and strobo beamer	KTRI05371	KTRI05392	KTRI05392	KTRI05419
Safety belt (with KTRI05371)	KTRI05372	KTRI05393	KTRI05393	KTRI05420
Pressurization system (with KTRI05371 / KTRI05379)	KTRI05373	KTRI05394	KTRI05394	KTRI05421
Pressurization system (with KTRI05371)	-	KTRI05395	KTRI05395	KTRI05422
Heating system (only with KTRI05371)	-	KTRI05396	KTRI05396	KTRI05423
Air conditioning system (with KTRI05371 without KTRI05373)	-	KTRI05397	KTRI05397	KTRI05424
Rearview mirror (without KTRI053171)	KTRI05374	KTRI05398	KTRI05398	KTRI05425
Superelastic front wheels	KTRI05375	KTRI05399	KTRI05399	KTRI05426
Foam filled front tires	KTRI05376	KTR105400	KTR105400	KTRI05427
No marking superelastic wheels	KTRI05377	KTRI05401	KTRI05401	KTRI05428
Stainless steel tray (90 working days delivery time)	KTRI05378	KTR105402	KTRI05402	KTRI05429
Complete light system	KTRI05379	KTR105403	KTRI05403	KTRI05430
Gyro beamer (without KTRI05370 or KTRI05371, with KTRI05379)	KTRI05380	KTR105404	KTRI05404	KTRI05431
Textile Gore filter (5 years warranty)	KTRI05381	KTR105405	KTRI05405	KTRI05432
Protective surface treatment (Ocean freight)	KTRI05382	KTRI05406	KTRI05406	KTRI05433

## **BATTERIES AND BATTERY CHARGERS**

Wet battery tray 48V 620Ah	BAAC00179	-	-	-
Battery Charger 400 / 48V 120A	BACA00258	-	-	-



IP Cleaning Srl Viale Treviso 63 30026 Summaga di Portogruaro (VE) - Italy











