

**THEY BELONG
IN EVERY HOME**

HIGH-PRESSURE CLEANERS FOR PRIVATE USERS

HIGH-PRESSURE CLEANERS FOR PRIVATE USERS

EXCEPTIONAL QUALITY FOR YOUR HOME

High-quality technology attractively packaged: Kränzle offers the Quickly and the K 1050-Series for demanding domestic tasks. The devices are characterised on the outside by a shapely and compact housing, in the inside are the sophisticated features and quality materials of our professional cleaning equipment. A well thought out range of accessories makes the cleaners real all-rounders.



TECHNICAL HIGHLIGHTS



QUICK RELEASE PLUG-IN SYSTEM D10

Sophisticated, fast and reliable: The quick release plug-in system with hardened stainless steel components ensures simple and safe connection of the safety shut-off gun with the lance.



INTELLIGENT SOLUTIONS FOR DOMESTIC USERS

First-class and functional: Kränzle high pressure cleaners can also be used for private users who expect only the best. Many of the components from the professional range for example the Brass pump head, stainless-steel plungers and roto-moulded chassis are used in the Kränzle 1050 range.



TOTAL-STOP SYSTEM

Full control: The Total stop system turns the motor on when the trigger gun is engaged and off when the trigger is released. This makes the machine more efficient and economical with less noise and reduced wear.



HOSE REEL

Practical and comfortable: After washing, the high-pressure hose can neatly and safely stored away thanks to the heavy-duty hose drum and crank handle.



COMPACT DESIGN

The ideal union of form and function: Not only for the performance features, but also in terms of mobility Kränzle has thought about the handling. The devices are easy to transport and thanks to the compact Housing shape it is neat and space-saving.



MANY POSSIBILITIES OF USE

No application without a Kränzle: Thanks to a wide range of accessories the powerful High pressure cleaners are equipped in such a way that they will be available for almost every Cleaning task in and around the house.



Quickly

NEW

ACCESSORIES STORAGE

for convenient stowage of the accessories and the power cable

TRAY FOR WORK BREAKS

clever holder for the high-pressure gun during work breaks

PRACTICAL HOSE HOLDER

for tidy storage of the high-pressure hose

INCLUDING FLOOR CLEANER

ROUND CLEANER UFO

for simple and efficient cleaning of driveways, terraces and co

OFF-ROAD CAPABILITY

AND STABILITY

robust chassis for easy transport and high stability


TOTALSTOP-SYSTEM

switches off the pump if the high-pressure gun is not operated during work breaks



► **ACCESSORIES** | page 108

EQUIPMENT

-  Quick release plug-in system D10
- Kränzle axial pump
- Total-stop system
- Water inlet filter
- High-pressure hose





MODEL	Quickly	NEW
Ord.no.	497500	

TECHNICAL SPECIFICATIONS

Operating pressure	bar MPa	130 13
Water output	l/min l/h	6.3 380
Admissible overpressure	bar MPa	145 14.5
Motor speed	Rpm	2800
Connection	V ~ Hz A	230 1 50 7.9
Power intake Power output	kW	1.8 1.35
Power supply cable	m	5
Dimensions L x W x H	mm	420 285 900
Weight	kg	20

EQUIPMENT

High-pressure hose	m Ord.no.	8 (DN6) 497070
Trigger gun with safety catch	Model Ord.no.	Starlet 4 12520
Lance with flat-jet nozzle	Nozzle Ord.no.	● 028 12900-028
Lance with Dirtkiller	Nozzle Ord.no.	● 028 42403-028
Round Cleaner UFO	∅ mm Ord.no.	260 41870
Water inlet filter	Ord.no.	13311



K 1050-Series



ROTO-MOULD CHASSIS

practically indestructible plastic housing

CONVENIENT INTEGRATED HOSE REEL (TST)

space-saving storage of the high-pressure hose - with foldable crank

ACCESSORY STORAGE

neat storage for high pressure gun and lances

CARRY HANDLE

portable and space-saving compact design

OFF-ROAD CAPABILITY AND STABILITY


robust chassis for easy transport and high stability



K 1050 TST | 495101
K 1050 P | 49501

► **ACCESSORIES** | page 108

EQUIPMENT

-  Quick release plug-in system D10
- Kränzle axial pump
- Total-stop system
- Water inlet filter

MODELS

- K 1050 P - portable
- K 1050 TS - mobile with hose support
- K 1050 TST - mobile with hose drum





MODEL	K 1050 P	K 1050 TS	K 1050 TST
Ord.no.	49501	495051	495101

TECHNICAL SPECIFICATIONS

Model		portable	with hose holder	with hose drum
Operating pressure	bar MPa	130 13	130 13	130 13
Water output	l/min l/h	7.5 450	7.5 450	7.5 450
Admissible overpressure	bar MPa	160 16	160 16	160 16
Motor speed	Rpm	2800	2800	2800
Connection	V ~ Hz A	230 1 50 9.6	230 1 50 9.6	230 1 50 9.6
Power intake Power output	kW	2.2 1.65	2.2 1.65	2.2 1.65
Power supply cable	m	5	5	5
Dimensions L x W x H	mm	390 290 370	340 350 860	340 350 860
Weight	kg	21	23	26

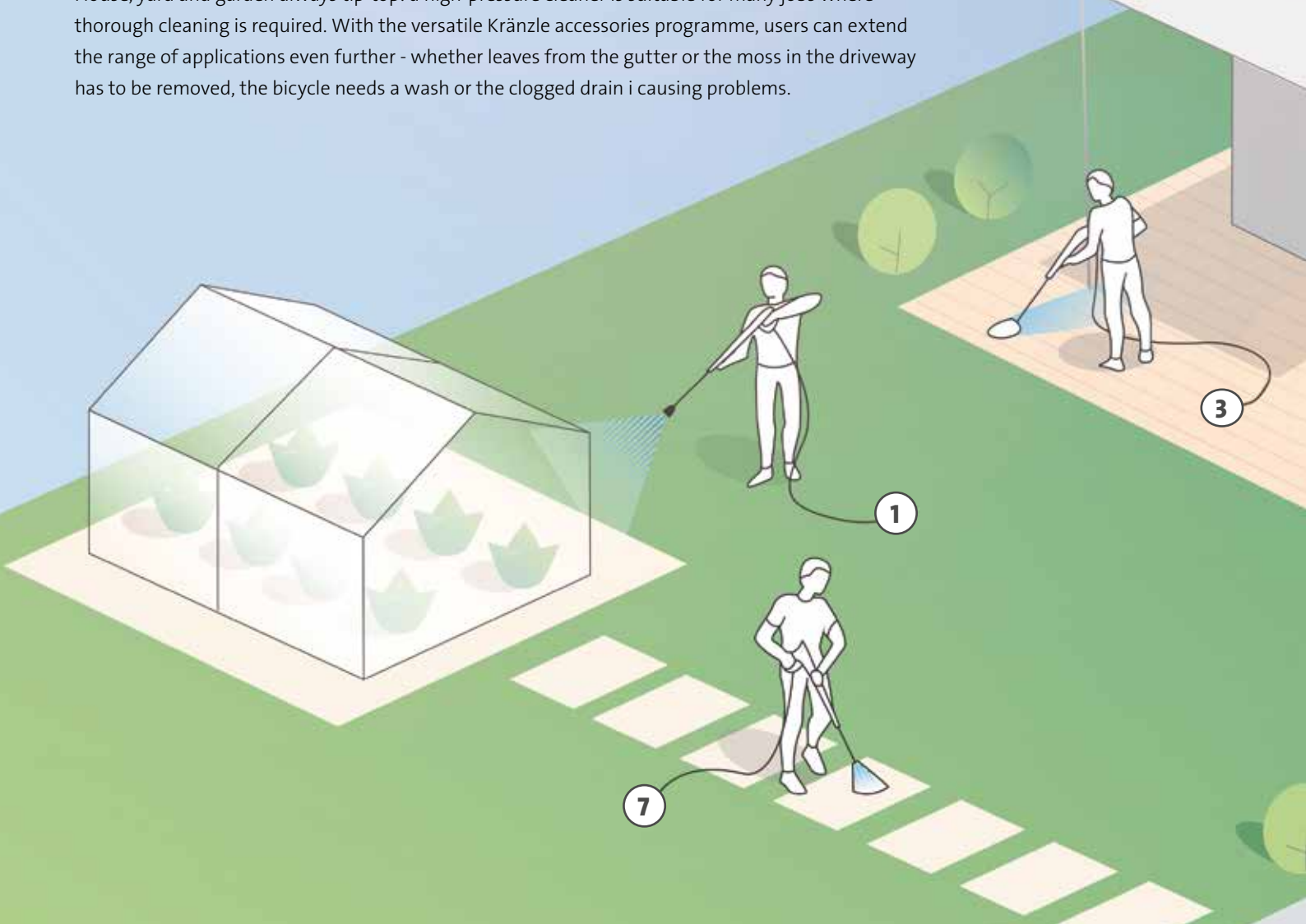
EQUIPMENT

High-pressure hose	m Ord.no.	8 (DN6) 410541	8 (DN6) 410541	12 (DN6) 49116
Trigger gun with safety catch	Model Ord.no.	Starlet 4 12520	Starlet 4 12520	Starlet 4 12520
Lance with flat-jet nozzle	Nozzle Ord.no.	○ 03 12900-03	○ 03 12900-03	○ 03 12900-03
Lance with Dirtkiller	Nozzle Ord.no.	optional	○ 03 42403-03	○ 03 42403-03
Water inlet filter	Ord.no.	13311	13311	13311



OPTIMALLY EQUIPPED FOR EVERY TASK

House, yard and garden always tip-top: a high-pressure cleaner is suitable for many jobs where thorough cleaning is required. With the versatile Kränzle accessories programme, users can extend the range of applications even further - whether leaves from the gutter or the moss in the driveway has to be removed, the bicycle needs a wash or the clogged drain is causing problems.



TECHNICAL HIGHLIGHTS

QUICK RELEASE PLUG-IN SYSTEM D10

Sophisticated, fast and reliable: The quick release plug-in system with hardened stainless steel components ensures simple and safe connection of the safety shut-off gun with the lance.

ANTI-TWIST PROTECTION

Accessories equipped with an anti-rotation device can be locked in different positions. This prevents the accessories from twisting unintentionally and allows them to be guided by moving the gun.





1. ROTATING DIRTKILLER NOZZLE:

Generates a rotating spot jet that removes even the most stubborn dirt

2. LANCE EXTENSION:

Makes ladder and co. unnecessary. For easy access to hard-to-reach places

3. ROUND CLEANER UFO:

With two rotating high-pressure nozzles for easy and efficient cleaning of larger areas such as driveways or patios lub tarasy

4. ROTATING WASHING BRUSH:

The soft bristles of the washing brush allow for a gentle cleaning of sensitive surfaces

5. PIPE CLEANING HOSE:

Hose with 10 metre length for easy access to and effective removal of blockages in pipes and drains

6. FOAM LANCE:

Produces effective foam to dissolve coarse soiling (combined with Kränzle Neutral)

7. SPLASH GUARD:

Transparent attachment that encloses the high-pressure jet and protects the surroundings from splashing water

ACCESSORIES | QUICK RELEASE PLUG-IN SYSTEM D10

FOR K 1050-SERIES AND QUICKLY



NEW



Starlet 4

For K 1050-Serie and Quickly
 ■ Inlet: M22x1.5 AG
 ■ Outlet: Plug-in connection D10

Ord.no.	12520
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12900-03

Lance with flat jet nozzle

■ For normal dirt

Length	mm	Nozzle size	Ord.no.
400		● 028	12900-028
400		○ 03	12900-03



42403-03

Dirtkiller lance

■ For stubborn dirt

Length	mm	Nozzle size	Ord.no.
400		● 028	42403-028
400		○ 03	42403-03



Lance extension

■ Anti-twist protection

Ord.no.	12870
Length	mm 400



Round Cleaner UFO

Ord.no.	41870
∅	mm 260



Spray guard

■ Applicable for all washing lances

Ord.no.	132600
Dimensions LxW	mm 285x190



Rotating washing brush

■ Anti-twist protection

Ord.no.	12800
Brush head ∅	mm 180
Pipe length	mm 210



Pipe cleaning hose

Ord.no.	12850
Length	m 10



SPOT JET



FLAT-JET



125312

Foam lance

■ Adjustable from spot jet to flat jet

Ord.no. 1 Liter	135302
Ord.no. 2 Liter	135312



412710

412711

Kränzle Neutral

Universal cleaner for removal of strong contaminations
 ■ pH value**: 8,5

Container	Liter	Ord.no.
1		412710
5		412711



412721

Kränzle Plus

Special cleaner to degrease and clean
 ■ pH value**: 10,5

Container	Liter	Ord.no.
5		412721
25		412722



412731

Kränzle Marine

for cleaning motors
 ■ alkaline
 ■ pH value**: 11,0

Container	Liter	Ord.no.
5		412731
25		412732

**pH value: Undiluted. We recommend testing the cleaning agent on the surface to be cleaned before starting.



**BRILLIANT RESULTS
EVEN WITHOUT
WATERPOWER**

INDUSTRIAL VACUUM CLEANERS | HAND POWER SWEEPERS

INDUSTRIAL VACUUM CLEANERS

VERSATILE, POWERFUL AND COMFORTABLE

From the construction site to the salesroom to the workshop. The Ventos wet and dry vacuum cleaner, with integrated tool socket, is ideally equipped for all cleaning tasks. An automatic start-up, an automatic switchoff in case of the suction of liquids and the large drain plug ensure safe operation. The extra-long power cable and the suction hose offer a large action radius, and a wide range of accessories enables a thorough work.



TABLE OF CONTENTS

Ventos-Series	112-113
Accessories	114-115

KEY INDUSTRIES



THE FILTER CLEANING MAKES THE DIFFERENCE



MANUAL FILTER CLEANING – VENTOS PC-MODELS

The manual Push-Clean feature of the Ventos PC ensures constant suction power and optimum cleaning performance. After pressing the push button, the airflow is diverted through the dust filter and it is cleaned in no time. The dirt simply falls into the collection container or the inserted dust bag, and the Ventos regains its full suction power.

AUTOMATIC FILTER CLEANING – VENTOS AC-MODELS

The Automatic-Clean filter cleaning function of the Ventos AC offers added convenience. Thanks to an additional rotary knob, it is possible to set the intervals at which an automatically triggered air blast cleans the flat pleated filter. This enables long filter service life and ensures uninterrupted and continuous operation at full suction power.

TECHNICAL HIGHLIGHTS



CONTROL PANEL

With the Ventos series, the user always has all functions in view. The control panel allows infinitely variable regulation of the suction power.

In the case of the Ventos AC, the control panel also allows to set the interval for automatic filter cleaning.



AUTOMATIC START-UP

An integrated socket allows the connection of power tools (max. 2200 W).

The automatic start-up function switches the vacuum cleaner on when the tool is switched on, and the run-on function ensures that the suction hose is completely emptied after the tool is switched off.



PRINCIPLE OF ARRANGEMENT

This means that the accessories are always within reach. Power cable and suction hose can be spooled and stowed easily. A semicircular holder on the top, into which the suction tube can be inserted, allows the industrial vacuum cleaner to be carried comfortably by holding the suction tube securely in the recessed grip.

Ventos-Series



PRACTICAL

Handle with a holder for the suction tube for safe transport

COMFORTABLE

Socket outlet for power tools, with automatic start-up, automatic switch-off and overrun function

TIDY

Space-saving stowage of pipes, hose, cable and accessories

ROBUST

All-terrain chassis for mobility and high stability

SIMPLE

Drain screw for a problem-free draining of liquids after the sucking up of liquids

AS STANDARD

Extensive accessories to accomplish different cleaning tasks



Ventos 32 L/AC | 580020

► **ACCESSORIES** | page 114-115



EQUIPMENT

- Ventos PC: Push-Clean filter cleaning | Ventos AC: Automatic-Clean filter cleaning
- Wet and dry vacuuming
- integrated automatic on/off switch
- Mains connection of power tool (max. 2200 W)
- Container/filter bag volume sensor with LED display
- Level storage surface - for storing work materials



CHOOSE FROM TWO DIFFERENT
CONTAINER SIZES

MODEL	Ventos 32 L/PC	Ventos 42 L/PC	Ventos 32 L/AC	Ventos 42 L/AC
Ord.no.	580000	580040 NEW	580020	580060 NEW

TECHNICAL SPECIFICATIONS

Dust class	L	L	L	L
Filter cleaning	Manual	Manual	Automatic	Automatic
Volumetric flow rate turbine max l/min	4500	4500	4500	4500
Depression turbine max kPa mbar	25 250	25 250	25 250	25 250
Connection V ~ Hz A	230 1 50 16	230 1 50 16	230 1 50 16	230 1 50 16
Power consumption P _{nom} W	1200	1200	1200	1200
Container volume L	30	40	30	40
Filling volume water intake L	30	40	30	40
Sound pressure level at workplace db (A)	68.3	68.3	68.3	68.3
Protection class	IPx4	IPx4	IPx4	IPx4
Power supply cable m	7.5	7.5	7.5	7.5
Dimensions L x W x H mm	590 365 565	590 365 645	590 365 565	590 365 645
Weight kg	18.5	19	19.3	19.8

EQUIPMENT

Dust bag	Quantity Ord.no.	5 454511	5 454521	5 454511	5 454521
Disposal bag	Quantity Ord.no.	1 454551	1 454561	1 454551	1 454561
Folded filter	Dust class Ord.no.	L 457079	L 457079	L 457079	L 457079
Suction hose antistatic	m Ord.no.	4 (DN 32) 452825	4 (DN 32) 452825	4 (DN 32) 452825	4 (DN 32) 452825
Hand tube	Ord.no.	584031	584031	584031	584031
Extension tube	Quantity Ord.no.	2 584032	2 584032	2 584032	2 584032
Floor nozzle	Ord.no.	584035	584035	584035	584035
Brush nozzle	Ord.no.	584008	584008	584008	584008
Joint nozzle	Ord.no.	584023	584023	584023	584023
Tool adapter	Ord.no.	584112	584112	584112	584112

THE RIGHT EQUIPMENT FOR EVERY REQUIREMENT

Whether you need to clean hard-to-reach areas or use it on large surfaces: With the accessories included as standard, the Ventos-Series is already optimally equipped for the most common cleaning tasks. Our optionally available range of special accessories also meets the highest requirements and particularly demanding tasks. **Our accessories are compatible with all existing Ventos models.**



Dust bag

■ tear-resistant fleece filter bag for dry vacuuming

Ord.no.	454511	454521
Quantity	5	5
Filling volume Litres	30	40



Disposal bag

■ for Ventos PC and Ventos AC

Ord.no.	454551	454561
Quantity	5	5
Filling volume Litres	30	40



Folded filter

■ for Ventos PC and Ventos AC

Ord.no.	457079
Dust class	L
Dimensions L x W mm	240 140



Suction hose

■ antistatic

Ord.no.	452825
Dimensions L m	4 (DN32)
Connection Ø mm	45



Hand tube

■ with air slide

Ord.no.	584031
Dimensions L mm	320
Connection Ø mm	45 35



Extension tube

■ Galvanised steel

Ord.no.	584032
Dimensions L mm	2 x 500
Connection Ø mm	35



Floor nozzle

for wet and dry vacuuming

Ord.no.	584035
Dimensions L mm	360
Connection Ø mm	35



Brush nozzle

for simultaneous vacuuming and brushing

Ord.no.	584008
Brush Ø mm	70
Connection Ø mm	35



Joint nozzle

for use in narrow places

Ord.no.	584023
Dimensions L mm	300
Connection Ø mm	35



Tool adapter

for suction of power tools

Ord.no.	584112
Dimensions L mm	120
Connection Ø mm	45 35

USE OF POWER TOOLS

The tool adapter or the optionally available tool suction hose are compatible with almost all common power tool brands. Dust and flying chips are effectively extracted, which guarantees comfortable as well as dust-free working.

Tool connection: Ø 25 mm





Floor nozzle

- made of aluminium, light and robust
- with integrated brush and rubber strips

Ord.no.	584028
Dimensions L mm	450
Connection Ø mm	35



Turbo brush

- for the thorough cleaning of carpets
- with driven brush roller

Ord.no.	584024
Dimensions L mm	280
Connection Ø mm	35



Carpet nozzle

- for carpets and smooth surfaces
- Adaptable to the respective surface

Ord.no.	584018
Dimensions L mm	295
Connection Ø mm	35



Tool-Suction hose

for suction of power tools

Ord.no.	452828
Dimensions L m	4 (DN32)
Connection Ø mm	45 35



Upholstery nozzle

for cleaning textile surfaces

Ord.no.	584009
Dimensions L mm	145
Connection Ø mm	35



Wide nozzle

for use in narrow places

Ord.no.	584012
Dimensions L mm	250
Connection Ø mm	35



Universal brush nozzle

for simultaneous vacuuming and brushing

Ord.no.	584017
Dimensions L mm	230
Connection Ø mm	35



Suction brush

gentle pet care without tiresome shedding

Ord.no.	584020
Dimensions L mm	235
Connection Ø mm	35



Suction currycomb

removes gross impurities from animal skins

Ord.no.	584019
Dimensions L mm	240
Connection Ø mm	35



NEW



Folded filter Wet + Dry

- for Ventos PC and Ventos AC

Ord.no.	457120
Dust class	M, L
Dimensions L x W mm	240 140

ACCESSORIES FOR OLDER VENTOS MODELS



Dust bag

- for Ventos 20 E/L

Ord.no.	454400
Quantity	5
Filling volume Litres	20



Dust bag

- for Ventos 30 E/L

Ord.no.	454401
Quantity	5
Filling volume Litres	30



Filter

- for Ventos 20 E/L, Ventos 30 E/L

Ord.no.	454403
Dust class	L
Ø mm	280



KRÄNZLE HAND POWER SWEEPERS

BEST SWEEP-ACTION CLEANING RESULTS INSIDE AND OUT

Clean in passing: Kränzle's manual sweepers ensure that cleanliness is easily maintained in both indoor and outdoor areas - e.g. on paths, driveways or terraces - resulting in clean floor surfaces. Also for commercial use, on farms or in workshops as well as in the craft sector or for cleaning buildings, there are multiple applications for these devices.

TABLE OF CONTENTS

Colly 800	118-119
Kränzle 1+1	120-121

KEY INDUSTRIES





TECHNICAL HIGHLIGHTS



LONG CLEANING BRISTLES

Outside, the long bristles of smooth-running manual sweepers collect debris such as leaves, litter and other materials in the collection box. Indoors, they thoroughly remove dust and other particles.



INTEGRATED FREEWHEEL

Thanks to the integrated freewheel, the sweeping roller and side broom will turn sweeping material into the container.



EASY EMPTYING

The hopper made of impact resistant plastic can be used for emptying easily with the help of a practical handle and on the basis of its well thought-out construction.

Colly 800



Colly 800 | 50079

EQUIPMENT

- Integrated free-wheel
- Dustpan principle
- Large waste bin, volume 30 liters
- 2 infinitely height-adjustable side brushes





MODEL	Colly 800
Ord.no.	50079

TECHNICAL SPECIFICATIONS

Drive		Manual
Area sweeping capacity at 2.5 km/h	m ² /h	2000
Waste bin volume	Liter	30
Exhaust air filter	mm ²	2 x 6000
Dimensions/standing position	mm	750 400
Working width (with 2 side brushes)	mm	800
Drive wheels Ø	mm	300
Sweeper roller Ø	mm	254
Dimensions L x W x H	mm	980 850 390
Weight	kg	19



Kränzle 1+1



Kränzle 1+1 | 50077

EQUIPMENT

- Integrated free-wheel
- Dustpan principle
- large waste bin, volume 30 liters
- 1 infinitely height-adjustable side brush
- Height-adjustable main broom





MODEL	Kränzle 1+1
Ord.no.	50077

TECHNICAL SPECIFICATIONS

Drive		Manual
Area sweeping capacity at 2.5 km/h	m ² /h	1675
Waste bin volume	Liter	30
Dimensions/standing position	mm	1300 800
Working width (with 1 side brush)	mm	670
Drive wheels Ø	mm	285
Sweeper roller Ø	mm	250
Dimensions L x W x H	mm	1300 800 2060
Weight	kg	24



NOZZLE TABLE FLOW VOLUME

Nozzle-size	∅	20 / 2	30 / 3	40 / 4	50 / 5	60 / 6	70 / 7	80 / 8	90 / 9	100 / 10	110 / 11	120 / 12	130 / 13	140 / 14	150 / 15
0002 1502 2502	0.91	2.0	2.5	2.8	3.2	3.5	3.7	4.0	4.2	4.5	4.7	4.9	5.1	5.3	5.5
15025 25025	0.98	2.5	3.1	3.6	4.0	4.4	4.8	5.1	5.4	5.7	6.0	6.2	6.5	6.7	7.0
0003 1503 2503 4003	1.09	3.1	3.7	4.3	4.8	5.3	5.7	6.1	6.3	6.8	7.1	7.4	7.7	8.0	8.3
15035 25035	1.15	3.6	4.4	5.0	5.6	6.2	6.7	7.1	7.6	8.0	8.4	8.7	9.1	9.4	9.8
0004 1504 2504 4004	1.19	4.2	5.2	5.9	6.6	7.3	7.8	8.4	8.9	9.4	9.8	10.3	10.7	11.0	11.5
00045 15045 25045 40045	1.27	4.5	5.5	6.4	7.1	7.8	8.4	9.0	9.6	10.2	10.6	11.0	11.4	11.8	12.2
0005 1505 2505 4005	1.35	5.0	6.2	7.1	8.0	8.7	9.4	10.0	10.7	11.3	11.9	12.4	12.9	13.4	13.9
00055 15055 25055 40055	1.4	5.6	6.8	7.8	8.7	9.6	10.3	11.1	11.8	12.4	13.0	13.6	14.2	14.8	15.3
0006 1506 2506 4006	1.47	6.0	7.4	8.6	9.6	10.4	11.3	12.1	12.8	13.6	14.2	14.8	15.4	16.0	16.6
00065 15065 25065 40065	1.52	6.6	8.0	9.3	10.4	11.3	12.3	13.2	14.0	14.7	15.4	16.1	16.8	17.4	18.0
0007 1507 2507 4007	1.6	7.1	8.6	10.0	11.2	12.2	13.2	14.1	15.0	15.3	16.6	17.3	18.0	18.7	19.4
00075 15075 25075 40075	1.65	7.6	9.3	10.7	12.0	13.1	14.2	15.2	16.1	16.9	17.8	18.6	19.3	20.1	20.8
0008 1508 2508 4008	1.7	8.0	9.8	11.3	12.7	14.0	15.1	16.1	17.1	18.0	18.8	19.6	20.4	21.2	22.0
00085 15085 25085 40085	1.75	8.5	10.4	12.1	13.5	14.8	16.0	17.1	18.1	19.1	20.0	20.9	21.8	22.6	23.4
0009 1509 2509 4009	1.8	9.1	11.1	12.8	14.3	15.7	17.0	18.0	19.2	20.2	21.2	22.1	23.0	23.9	24.7
0010 1510 2510 4010	1.9	10.0	12.3	14.2	16.0	17.4	18.9	20.1	21.4	22.5	23.6	24.6	25.6	26.6	27.6
2511	2.6	11.2	13.7	15.9	17.7	19.4	21.0	22.4	23.8	25.1	26.3	27.5	28.6	29.7	30.7
2512	2.16	12.2	15.0	17.3	19.3	21.2	22.9	24.5	25.9	27.4	28.7	30.0	31.2	32.4	33.5

160 / 16	170 / 17	180 / 18	190 / 19	200 / 20	210 / 21	220 / 22	230 / 23	240 / 24	250 / 25	260 / 26	270 / 27	280 / 28	290 / 29	300 / 30	bar / MPa
5.7	5.9	6.0	6.2	6.4	6.6	6.7	6.8	6.9	7.0	7.1	7.3	7.4	7.5	7.6	l/min
7.2	7.4	7.6	7.9	8.1	8.3	8.5	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.9	l/min
8.6	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.6	11.2	11.4	11.6	11.8	l/min
10.1	10.4	10.7	11.0	11.3	11.6	11.8	12.1	12.4	12.6	12.9	13.1	13.3	13.6	13.8	l/min
11.9	12.2	12.6	12.9	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.3	l/min
12.6	13.0	13.4	13.8	14.2	14.6	15.0	15.3	15.6	15.9	16.2	16.7	17.1	17.4	17.7	l/min
14.3	14.7	15.1	15.5	15.9	16.3	16.7	17.1	17.5	17.9	18.2	18.6	18.9	19.2	19.6	l/min
15.8	16.3	16.7	17.1	17.5	17.9	18.3	18.7	19.1	19.5	19.9	20.4	20.7	21.1	21.5	l/min
17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.5	20.9	21.3	21.7	22.3	22.7	23.1	23.5	l/min
18.7	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.8	24.1	24.6	25.0	25.5	l/min
20.0	20.6	21.2	21.8	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.8	27.3	l/min
21.5	22.2	22.8	23.4	24.0	24.6	25.2	25.8	26.3	26.8	27.3	27.9	28.4	28.9	29.4	l/min
22.8	23.5	24.2	24.8	25.4	26.0	26.6	27.2	27.8	28.4	29.0	29.5	30.1	30.6	31.1	l/min
24.1	24.9	25.6	26.3	27.0	27.7	28.3	28.9	29.5	30.1	30.7	31.4	31.9	32.5	33.1	l/min
25.5	26.3	27.1	27.8	28.5	29.2	29.9	30.6	31.3	31.9	32.5	33.2	33.8	34.4	35.0	l/min
28.5	29.4	30.2	31.0	31.8	32.6	33.4	34.1	34.9	35.6	36.3	36.9	37.6	38.3	38.9	l/min
31.7	32.7	33.6	34.6	35.5	36.3	37.2	38.0	38.8	39.6	40.4	41.2	42.0	42.7	43.4	l/min
34.6	35.7	36.7	37.7	38.7	39.6	40.6	41.5	42.4	43.2	44.1	44.9	45.8	46.6	47.4	l/min

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