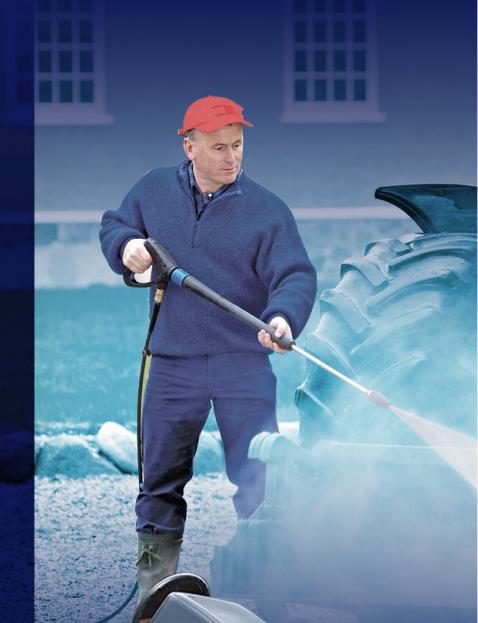




**Kawan Lama
Solution**

NILFISK

SPECIALIZED CLEANING SOLUTIONS
for every aspect of Clean



www.kawanlama.com

NILFISK – WITH YOU ALL THE WAY

NILFISK

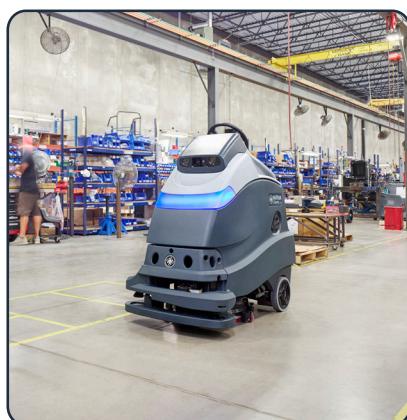
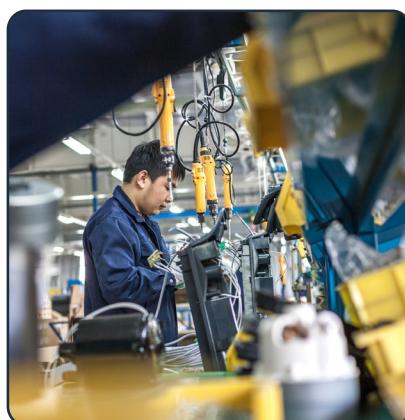
1906 – TODAY Since Nilfisk was founded, we have been determined to meet these demands with products and services of the highest quality worldwide. As a result business, public institutions and private households all over the world continue to rely on Nilfisk to keep their facilities safe, their office environments productive and their homes clean.

As the leading solution provider company, **Kawan Lama Solution**, a member of **Kawan Lama Group** in partnership with Nilfisk for more than 10 years in Indonesia. We provide one of the world's leading manufacturers of professional cleaning equipment, more than offering the products but also bringing value to our customers. And now, we are bringing you **The Nilfisk Experience Store in Living World, Alam Sutera**, to give you all experience and information about cleaning solutions in every Line of Business



SUSTAINABLE CLEANING

At Nilfisk, we believe that one of the key drivers for sustainable cleaning is achieving more with less. Less energy, less water and less detergent. This will reduce cost for you as our customer whilst simultaneously improving our environmental footprint.



WHY CHOOSE NILFISK BY KAWANJ LAMA SOLUTION

NIL FICK IS ACCREDITED WITH ISO 14001-2015 AND ISO 9001-2015

SERVICE CENTER ACCREDITED BY

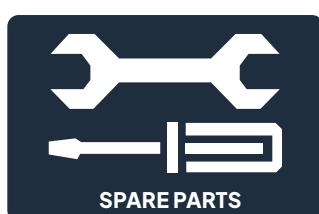
28 SERVICE CENTER
ACROSS INDONESIA

This is to certify that the management system of:
Nilfisk A/S
Main Site: Kommerksgade 1, 2605 Brænderby, Denmark
Chamber of Commerce: 6257223
See appendix for additional sites and additional site scopes
has been registered by Intertek as conforming to the requirements of:

WARRANTY 2+8



COMPLETE CONSUMABLE & PARTS



AFTER SALES WITH NILFISK CARE



The superior service program for regular checks, maintenance and training to ensure peace of mind and well functioning of your Nilfisk machines.

END TO END SUPPORT ACROSS INDONESIA



WHAT TO CONSIDER WHEN CHOOSING THE RIGHT HIGH PRESSURE CLEANER

NILFISK



HIGH PRESSURE CLEANER APPLICATION



AUTOCOMP

- Machinery
- Vehicles
- Production Area
- Workshop



HOSPITALITY

- Kitchen
- Outdoor
- Parking Area



PUBLIC PLACES

- Parking Lot
- Swimming Pool



PHARMACY

- Laboratory
- Workshop
- Quarantined Area
- Outdoor



FOOD & BEVERAGE

- Production Area
- Outdoor
- Warehouse

HIGH PRESSURE CLEANER LINE UP PRODUCTS

COLD WATER HIGH PRESSURE CLEANER



C-110E/C-170E/C-200E



C-250E

HOT WATER HIGH PRESSURE CLEANER



H110E/H200E



MH5M-210



MH8P-180

SPECIAL APPLICATION



MC7P-195



MH5M-180



MC3C-180



MH5M-200



MC9P-350



MC10P-500

OVERVIEW ACCESSORIES – HIGH PRESSURE CLEANER



Ergo System Coupling

Allows to connect hose to the machine and uses a quick coupling system to reduce time



High Pressure Male & Female Coupling

Allows to connect hose to the machine and uses a quick coupling system to reduce time



Hose

Used for transferring fluids in high-pressure water that can convey pressurized jets of water for power washing surfaces



Hose and Connection

Used for transferring fluids in high-pressure water that can convey pressurized jets of water for power washing surfaces



Support the hose for cleaning



High pressure jet sprayer models



Lance

Handle that used to spray and clean the focused area of surface



Injector & Foam Sprayer

Attached to pressure washer and spray foam to support jet cleaning and removing debris faster



Filter Pressure Washer

Special cartridges filter suitable to work at high operating pressure



Spray Gun

Used to control water aim and pressure to get surfaces clean fast



Drain & Pipe Cleaning

Used to clean pipe and drainage that have clogged dirts and other debris



Water spray and used for high pressure cleaning

DENSIN C - 110E / C-170E / C-200E / C-250E

Pressure and water volume will create a bigger cleaning impact resulting a faster and cleaner outcome.



8 HOURS
OPERATION NON-STOP

**DENSIN C - 110E /
C-170E / C-200E**



DENSIN C - 250E

FEATURE

- Class F motor with overload relay
- Double pipe lance
- Inlet/outlet quick couplings
- 3 fully ceramic piston
- Stainless steel and brass materials



Low Speed motor
Excellent durability and
maintenance free



Built-in by-pass and safety valve
long last motor and pump



Direct pressure adjustment
on lance



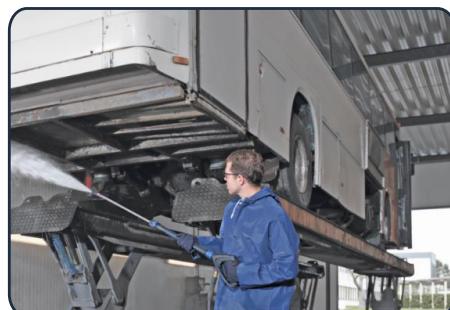
PUBLIC FACILITIES



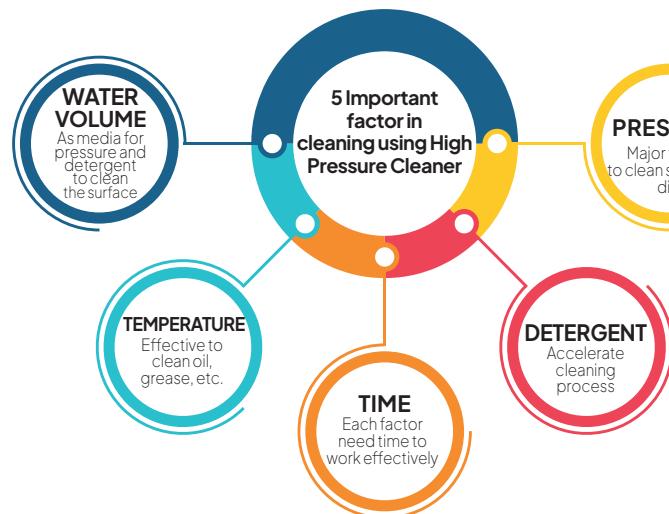
EASY ACES TO MACHINE
MAINTENANCE AND REPAIR



AGRICULTURE PUBLIC
FACILITIES & FARMING



AUTOMOTIVE



APPLICATION

- These high pressure cleaner are used for daily cleaning of machinery, vehicles, and buildings, for the removal of stubborn dirt, stains and the other debris from different kind of surfaces
- Direct pressure adjustment on lance

Code/Type	NV0100450	10043112	NV0100065	NV0100508
Product	Densin C-110E	Densin C-170E	Densin C-200E	Densin C-250E
Cleaning impact (kg/force)	3	4.8	5.7	5.7
Pressure (bar)	110	170	200	250
Flow (L/min)	11.7	15.2	16.5	15
Power Consumption (kW)	2.2	4.4	5.5	7.5
Power Supply (V/phase)	220/1	380/3	380/3	380/3
Motor Spec (Rpm)	1450	1450	1450	1500
Dimensions L x W x H (mm)	720 x 480 x 900	720 x 480 x 900	720 x 480 x 900	930 x 585 x 940
Accessories				
Double Barrel	v	v	v	v
Trigger Gun and Lance with Quick Coupling Connection	v	v	v	v
High Pressure Hose 10m	v	v	v	v
Electronic Cable 10m	v	v	v	v

HOT WATER HIGH PRESSURE CLEANER

NILFISK

Hot Water High Pressure Cleaner is the right choice to clean surface from stubborn oil, grease, etc. Combination between cleaning impact and appropriate water temperature will give maximum cleaning result and speed.

 8 Hours Non-Stop Operation

 DELAY STOP long lasting motor & pump

 Low Speed motor
Excellent durability and maintenance free

 Direct pressure adjustment on lance

BOILER HEATED



H110E / H200E

H110E/H200E

- 3 Ceramic pistons
- Long life seals
- Stainless steel and brass materials
- Inlet/Outlet quick couplings
- PLC controlled system
- Low fuel indication automatic stops boiler operation
- Machine overload protection
- Water leakage protection



BOILER HEATED



MH5M - 210 / 1100

BOILER HEATED



MH8P - 180 / 2000

MH 5M - 210/1100

- Service reminder
- Display running hours
- Safety oil
- Solid ceramic piston
- Eco power 92% fuel efficiency
- Electric power safety panel
- Pressure unloader system
- Flame sensor

MH 8P - 180/2000

- FCS - Flow Control System
- High water flow pump
- Use by 1 or 2 people at the same time
- Eco power boiler with 92% efficiency
- 1450 rpm motor with low noise level
- Quick service concept
- Ergo accessory system
- Detergent tank A: 15L, B: 10L

Code/Type	10062236	10062237	10184511	10102200
Product	H110E	H200E	MH 5M - 210/1100	MH 8P 180/2000
Cleaning impact (kg/force)	2.8	5.1	6.1	10.6
Pressure (bar)	110	200	210	180
Flow (L/min)	11	15	18.5	33.3
Water/ Steam Outlet Temperature (°C)	80/150	80/150	90/150	70/150
Motor Fuel Consumption (L/h)	4.7	5.7	5.6	10.6
Fuel Tank Capacity (L)	18	18	30	30
Power Consumption (kW)	2.2	5.5	7.9	14.7
Power Supply (V/phase)	220/1	380/3	400/3	400/3
Motor Spec (Rpm)	1450	1450	1450	1450
Dimensions L x W x H (mm)	940 x 650 x 880	940 x 650 x 880	1188x700x1020	1188x700x1045
Standard Accessories				
Double Barrel	v	v	v	v
Trigger Gun and Lance with Quick Coupling Connection	v	v	v	v
High Pressure Hose 10m	v	v	v	v
Electronic Cable	v	v	v	v

SPECIAL APPLICATION HIGH PRESSURE CLEANER

NILFISK

These Poseidon and Neptune series are made to fulfill special cleaning & environmental requirements.



MC 7P - 195 / 1280 FA

- Low rpm motor (1450rpm)
- 4 ceramic piston pump with 85°C Inlet temperature
- Flow activated control system
- Tough and sturdy design
- Easy accessibility to pump, optional service concept



MH5M - 180 / 800 PA E24 EU

- Low rpm motor (1450rpm)
- Quick service concept
- Easy to use control panel
- Ergo system accessories
- 5m electric cable



MC 3C - 180 / 750 PET

- Robust, long lasting pump
- Vibration - Isolation technology
- Ergo quick - coupling system
- Low pressure detergent injector

DIESEL ENGINE



MH5M - 200 / 1000 DE

- Electrical starting system
- Full ceramic piston pump
- Strong and robust steel frame and roll bar for protection

8 HOURS OPERATION NON-STOP



MC 9P-350/1260 50HZ

- Two-sided interface setup
- Anti-corrosive steel frame design
- A viewable glass oil reservoir
- CE certified according to EN standard: 1829-1

8 HOURS OPERATION NON-STOP



MC 10P-500/1800 50HZ

- A protected water inlet
- Color-coded touch points
- Anti-corrosive steel frame design
- Large four-wheel setup for easy rollover
- CE certified according to EN standard: 1829-1

Code/Type	11084955	10203169	10331861	10126832	10539024	10539028
Product	MC 7P - 195/1280 FA	MH 5M - 180/800 PA E24 EU	MC 3C - 180/750 PET	MH 5M - 200/1000 DE	MC 9P-350/1260 50HZ	MC 10P-500/1800 50HZ
Cleaning impact (kg/force)	6.7	4	3.8	5.1	9.66	16.26
Pressure (bar)	195	180	180	200	360	500
Flow (L/min)	21.3	13.3	12.5	16.6	21	28
Max Inlet Temperature (°C)	85	60	60	40	35	35
Pump (rpm)	1450	1450	3400	1485	1460	1765
Water/ Steam Outlet Temperature (°C)	-	30-80	-	90/150	-	-
Motor Type	Electrical	Electrical	Petrol	Diesel	Electrical	Electrical
Dimensions LxWxH (mm)	775x570x1020	1188x700x1045	533x521x935	970x780x1000	1100x500x980	1670x750x1180
Weight (kg)	89	131	32.2	220	245	470
Motor Fuel Consumption (L/h)	-	-	1.5	2.2	-	-
Boiler Fuel Consumption (L/h)	-	-	-	4,7	-	-
Chemical Tank Capacity (L)	2.5 + 2.5	35 + 10	-	-	-	-
Motor Power (HP)	-	-	7	10	-	-
Motor Type	-	-	Kohler CH270	Yanmar L 100 AE-DE	-	-
Power Consumption (kW)	8	24 + 4.5	Motor Power	-	18	30
Power Supply (V/phase)	400/3	400/3	-	-	400/3	400/3
Hose	10m, 2 wire	10m, 2 wire	10m, 2 wire	15m, 2 wire	15m, 2 wire	15m, 2 wire
Spray Gun	v	v	v	v	v	v
Lance/Nozzle	v	v	v	v	v	v

WHAT TO CONSIDER WHEN CHOOSING THE RIGHT VACUUM CLEANER

NILFISK



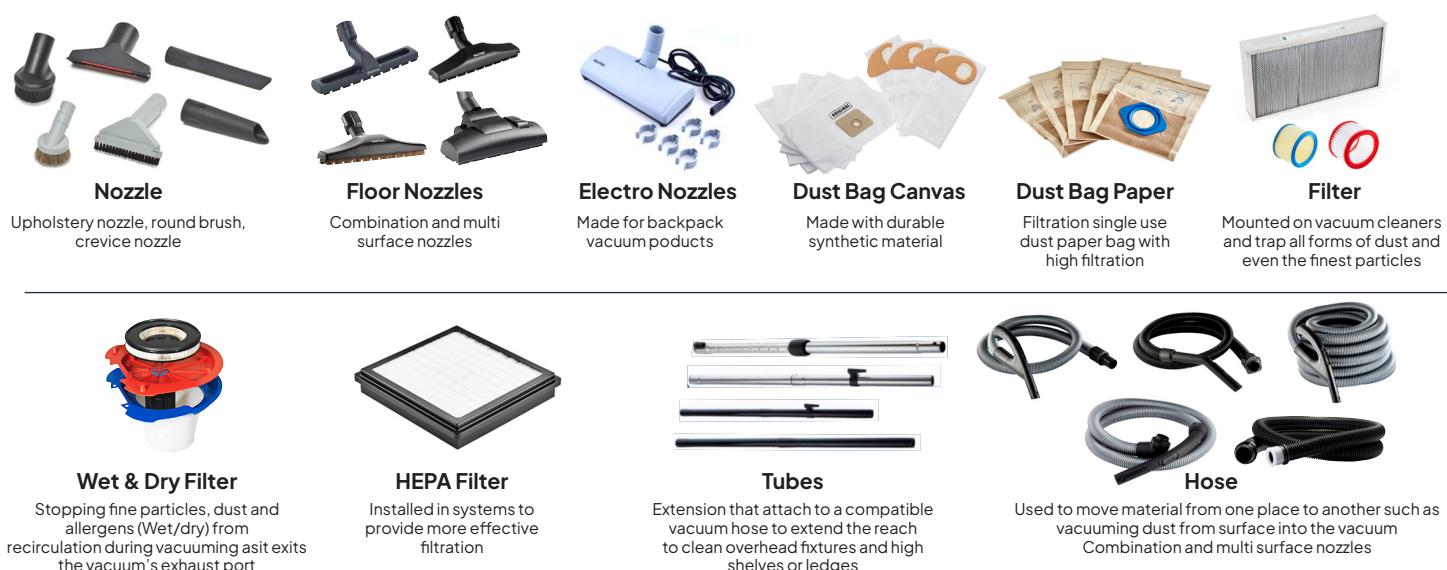
VACUUM CLEANER APPLICATION



VACUUM CLEANER LINE UP PRODUCT



OVERVIEW ACCESSORIES – VACUUM CLEANER



Dry dust left on the floor, tools, equipment, wall, corner or even hidden places may create health and environmental issues and Nilfisk's vacuum cleaners is the excellent solution to your daily cleaning needs.

Nilfisk offers vast range of filters including HEPA filters, ideal for offices, hospitals and hotels.



Low Noise



Hepa 13



Low Watt



10L



15L

LARGE SPACE VACUUM



35L

VP300 HEPA BASIC EU

- Low noise level
- Light weight for easy portability
- Bumper for impact resistance



VP930 PRO HEPA S2

- Low noise level
- Light weight for easy portability
- Recyclable component



GD 5 BACK HEPA EU

- Low Noise Level
- Compact and easy to carry
- HEPA filter
- Telescopic suction tube

VU 500

- Quick release cord
- Convenient handle
- HEPA 13 Filter

GU 700A

- Inlet Filtration
- Class F Insulation
- Heavy Duty Tank



OFFICES



AUDITORIUM

Code/Type	10151625	10522337	NV0300008	10146613	10411301
Product	VP 300 HEPA BASIC EU	VP930 PRO HEPA S2	GU 700 A	GD 5 BACK HEPA EU	VU500
Dust Bag Capacity (L)	10	15	35	5	3.5
Main Filter Area (cm ²)	2400	12000	-	2400	2400
Vacuum (mbar)	220	230	222	220	160
Air Flow (L/min)	1920	1980	3120	1980	1620
Working Sound Level (dB (A))	62	58	68	64	59
Power Consumption (W)	800	760/400	2250	780	900
Power Supply (V/phase)	220/1	220/1	220/1	220/1	220/1
Dimension L x W x H (mm)	395 x 340 x 390	440x390x330	1040 x 750 x 970	380 x 260 x 570	330 x 390 x 1180
Weight (kg)	5.5	7.9	51	4.5	8.5
Electric Cable (m)	10	15.5	23	15	10
Standard Accessories					
Dust Bag	v	v	v	v	v
Suction Hose	v	v	v	v	v
Combi Nozzle	v	v	-	v	-
Pre - Filter	v	v	-	v	v
Crevice Nozzle	v	-	-	v	-
Suction Tube	v	v	v	v	v
Brush Nozzle	v	v	v	v	v

Nilfisk offers a complete range of innovative and powerful Vacuum Cleaners – all designed to meet even the most demanding cleaning needs.

Push & Clean

- To clean the filter, just block the inlet fitting or the hose
- Push and release the filter cleaning button
- Powerful air pulses will clean the filter and suction power is high again



30L



75 L DUAL MOTOR

AERO 31 - 21 PC INOX

- Push and Clean
- Connection to power tools
- Lowest Consumption
- Blower function



VL 500

- Wet sack filter protects motor from foam ingress
- Stainless steel tubes prevent corrosion and wear
- Fail safe filter design makes operation easier
- Dual Filtration for both wet and dry cleaning

30L



47L



70 L DUAL MOTOR



ATTIX 961-01

- Push and Clean filter cleaning system
- Washable cartridge filter
- Strong hose quality
- Stainless steel tiltable and removable container

Code/Type	10062292	10003048	NV0200001	NV0200003	NV0200049
Product	AERO 31-21 PC INOX	VL500	Attix 30-01 PC	Attix 50-01 PC	Attix 961-01 PC
Container Capacity (L)	30	75	30	47	70
Vacuum (mbar)	210	200	250	250	230
Air Flow (L/min)	3600	4320	3700	3700	2x3600
Power Consumption (W)	1250	2500	1500	1500	3000
Working Sound Level (dB (A))	64	66	59	59	67
Power Supply (V/phase)	220/1	220/1	220/1	220/1	220/1
Dimension L x W x H (mm)	390 x 400 x 635	660 x 620 x 1030	450 x 380 x 595	450 x 380 x 750	580 x 600 x 970
Weight (kg)	10.5	28.5	10	30	30
Electric Cable (m)	7.5	10	7.5	10	10
Standard Accessories					
Suction Hose	v	v	v	v	v
Fleece Filter Bag	v	-	v	v	v
Hard Floor Nozzle	v	v	v	v	v
Cartridge Filter	v	v	v	v	v
Crevice Nozzle	v	v	v	v	v
Suction Tube (2 x 0.5m)	v	v	v	v	v
Brush Nozzle	v	v	v	v	v

WHAT TO CONSIDER WHEN CHOOSING THE RIGHT FLOOR CARE

NILFISK



AREA WIDTH



EXPECTED TIME TO CLEAN



FLOOR SURFACE TYPE



PREFERABLE POWER SOURCE (BATTERY/OUTLET)



DIRT TYPES ON FLOOR SURFACE

FLOOR CARE APPLICATION



F&B FMCG

- Raw Material
- Finished Goods Warehouse
- Production Area
- Outdoor



AUTOCOMP

- Warehouse
- Production
- Workshop
- Outdoor



PUBLIC PLACES

- Ballroom
- Hallway
- Outdoor



PHARMACY

- Warehouse
- Production
- Workshop
- Outdoor



HOSPITALITY

- Lobby
- Restaurant
- Outdoor
- Hallway



PULP & PAPER

- Warehouse Raw Material
- Finished Goods Warehouse
- Machine Floor Area

FLOOR CARE LINE UP PRODUCT

SWEeper



SW250

SW750

SR1000S

Ride On



SW40008

SW5500B

SR1601D3

SCRUBBER



SC100

SC401

SC450B

SC430

SC530B

SC2000

SC3500

SC4000

ADDS ON



CARPET EXTRACTOR ES300T



AIR BLOWER

AUTONOMOUS SCRUBBER DRYER



NILFISK LIBERTY SC50

OVERVIEW ACCESSORIES – SWEEPER



Main Broom Natural

Excellent material for dust control and sweeping fine debris



Main Broom PPL

Superior pickup of sand, gravel and litter. Less aggressive on the floor compared to the PPL + STEEL



Main Broom Steel + PPL

Popular for use to sweep both indoors and outdoors



Side Broom

To sweep the dirt and debris away from the kerbs, walls, pallets, etc



Main Broom

Effective cleaning action to pickup debris (industry)



Headlight

Popular for use to sweep both indoors and outdoors



Draws attention to the machine in its working environment



Side Broom Protection

Protect the side brooms of the machine



On-Board Charger

For both wet and gel batteries



Carpet Kit

Non Marking skirts, natural fibre main and side brooms, pre-filters



DustGuard™ Kit

To control air borne dust on the side broom



Front Corner Guards

Protect the front of the machine

SWEeper WALK BEHIND

NILFISK

Nilfisk walk-behind sweeper offers an impressive performance in outdoor spaces as well as indoor floors. Compared to a manual broom, it will pick up and remove dust, dirt, sand, nails, bolts, cigarettes, etc. up to 6 times faster.



MANUAL

AREA WIDTH
3680m²/h

SW 250 920 – MANUAL SWEEPER

- 2 side and main brooms
- Direct throw sweeping system
- Manually driven
- Foldable handle for easy storage
- Light and strong hopper with carrying handle
- Large hopper



OUTDOOR FIELD



GAS STATION



BATTERY POWER

AREA WIDTH
2880m²/h

SW750 – WALK BEHIND SWEEPER

- Very low noise
- Main and side brushes are adjustable
- Can be used in both wet and dry applications due to polyester filter



WORKSHOP



WAREHOUSE

Code/Type	10158901	NV0300007
Product	SWEEPER MANUAL	SWEEPER WALK
	SW250 920	BEHIND SW750
Hopper volume (L)	38	60
Max. speed (km/h)	-	4
Net weight (kg)	20	68
Motor Power Source	Manual	Battery 12V
Dimensions, L x W x H (mm)	1470x920x1120	998x800x1100
Operating weight (kg)	-	68
Max. dumping height (cm)	-	-
Max. climbing rate (%)	-	20
Working width with right side broom (mm)	700	720
Working width with 2 side brooms (mm)	920	-
Sound pressure level (dB(A))	-	59
Filter area (m ²)	-	1
Productivity 1 side broom theoretical/actual (m ² /h)	2800/1400	2880/1730
Productivity 2 side brooms theoretical/actual (m ² /h)	3680/1840	-
Productivity main broom theoretical/actual (m ² /h)	1920/960	-

Standard Accessories		
	SW250	SW750
Broom Main	v	v
Broom Side	v	v
Adjustable Handle	v	v
Soft Handle	v	-
Ergonomic Handle	v	-
Folding Handle	v	-
LED Battery meter	-	v
Non Marking Traction Wheels	-	v
Onboard Charger	-	v
Manual Filter Shaker	-	v

A Sweeper is a mechanical system that picks up rubbish and that, unlike manual sweeping, retains the dust. Nilfisk has designed its sweeper based on two principles: first, according to the type of rubbish to be swept up (large waste, light materials or heavy dust), and then by checking the quality of the air returned into the environment. This is why nilfisk has high quality vacuuming and filtration system.

BATTERY

AREA WIDTH
5500M² / H

PETROL ENGINE
DRIVEN

AREA WIDTH
4900M² / H

BATTERY

AREA WIDTH
6825M² / H



SR1000 S B W/LT SIDE BROOM

- Productivity rate up to 5500m²/h
- Top safety features
- Also clean carpet areas, using the optional carpet kit and carpet cleaning



SR1101P - RIDE ON SWEEPER

- Compact, maneuverable and reliable
- Strong polyethylene construction + steel frame
- Productivity rate up to 6300m²/h



SWEEPER SW4000B

- One Touch Sweeping and DustGuard
- Minimized energy consumption, recyclable materials, dust control and low noise level



DIESEL ENGINE
DRIVEN

AREA WIDTH
11750M² / H

SWEEPER SW5500D

- The first hybrid industrial sweeper on the market
- OneTouch™ button and DustGuard™ system
- Climb 20% on ramp/slopes while sweeping



DIESEL ENGINE
DRIVEN

AREA WIDTH
15000M² / H

SR1601D3 - RIDE ON SWEEPER

- Excellent machine maneuverability
- Free floating main broom and fine tuning knob adjustment
- Fast & easy access to facilitate servicing



INDOOR FIELD



WAREHOUSE



LOGISTIC



WAREHOUSE



OUTDOOR FACTORIES

Code/Type	NV0300187	NV0300529	10160868	10469443	NV0300066
Product	SWEEPER SR 1000S B W/ LT SIDE BROOM	SR1101P - RIDE ON SWEEPER	SWEEPER SW4000 B	SWEEPER SW5500 D	SR1601D3 - RIDE ON SWEEPER
Hopper volume (L)	50	70	75	150	315
Max. speed (km/h)	5.5	5	7	10	12
Net weight (kg)	299	315	433	757	965
Motor Power Source	Battery 24V	Petrol 2.9kW/3.9Hp	Battery 24V	Diesel, Yanmar, 4.1kW	Diesel, 3cyl. 16.3 kW
Dimensions, L x W x H (mm)	1255 x 795 x 1155	1480x930x1220	1640 x 1035 x 1330	1875 x 1200 x 1565	2220x1320x1460
Operating weight (kg)	224	392	824	838	1070
Max. dumping height (cm)	-	-	150	165	159
Max. climbing rate (%)	20	20	20	20	25
Working width with right side broom (mm)	-	980	975	1175	1250
Working width with 2 side brooms (mm)	1000	1260	1250	1500	1600
Sound pressure level (dB(A))	71.6	78.3	65	85	88
Filter area (m ²)	3	-	7	7	10
Productivity 1 side broom theoretical/actual (m ² /h)	-	4900/3430	6825/4780	11750/8225	15000/10500
Productivity 2 side brooms theoretical/actual (m ² /h)	5500 / 3850	6300/4410	8750/6125	15000/10500	19200/13440
Productivity main broom theoretical/actual (m ² /h)	3300 / 2310	-	4900 / 3430	8500/5950	-
Standard Accessories					
Broom Main	v	v	v	v	v
Broom Side	v	v	v	v	v
Mat Floor Kit	-	-	v	-	-
Filter Panel/Paper	v	v	v	v	v

SCRUBBER DRYER WALK BEHIND

NILFISK

The Nilfisk range of automatic cleaning machines allow you to clean up your area efficiently. We have four priorities when developing the high output machines : excellent cleaning result, ease of use, maximum lifespan, low maintenance and service costs. Our machine clean your floor with the utmost care, efficiently and quickly.

Electric Scrubber Model



**BRUSH
WIDTH
31 CM**

SCRUBBER SC100 E

- Easy, fast and productive cleaning
- Effective for narrow space
- Applicable for hard floor and carpet cleaning

**AREA WIDTH
620M² / H**



**BRUSH
WIDTH
43 CM**

SCRUBBER SC401 43E

- Compact design easy to manoeuvre
- Ergonomic handle with touchpoints,
- OneTouch™ button
- Nilfisk SilentTech™ technology

**AREA WIDTH
1720M² / H**



**BRUSH
WIDTH
53 CM**

SCRUBBER SC450 E

- The low noise level
- Large recovery tank and removable lid
- Fast and hygienic

**AREA WIDTH
2120M² / H**

Battery Scrubber Model



**BRUSH
WIDTH
53 CM**

SCRUBBER SC430 B

- OneTouch™ button
- 4 km/hour and reduced pushing force ensure effective and intuitive operation
- Integrated solution tank for high capacity

**AREA WIDTH
2120M² / H**

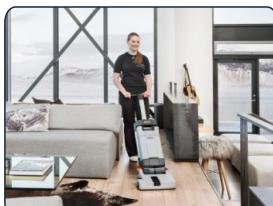


**BRUSH
WIDTH
53 CM**

SCRUBBER SC530 B

- OneTouch™ button
- Ergonomic handle with two safety switches for trouble free and easy operation
- 61 liter tank capacity

**AREA WIDTH
2120M² / H**



HOTELS



SHOWROOM



SUPERMARKET



CANTEEN



PUBLIC PLACES

Code/Type	10070570	10178169	10016141	10168176	10437853
Product	SC100 E	SC401 43E	SC450 E	SC430 B	SC530 B
Scrubbing Width (cm)	31	43	53	53	53
Solution / Recovery Tank (L)	3/4	30/30	40/45	40/40	61/61
Brush/Pad Diameter (mm)	310	430	530/508	530/508	530/508
Theroretical Surface Performance (m ² /h)	620	1720	2120	2120	2120
Max Speed (km/h)	-	4	4	4	4
Brush Pressure (kg)	-	30	34	35	27
Brush Speed (rpm)	2100	170	150	150	150
Air Flow (L/s)	16	-	36	-	-
Vacuum (mbar)	35	-	130	110	118
Sound Pressure (db(A))	83	68	70	70	69
Power Consumption (W)	800	1030	1650	900	800
Power Supply (V/phase)	220/1	220/1	220/1	Battery	Battery
Dimension L x W x H (mm)	400x360x1150	1180x458x1055	1174x760x980	1140x550x1100	1260x550x1080
Weight (kg)	12	112	94	135	91
Standard Accessories					
Squeegees	v	v	v	v	v
Brush	v	v	v	v	v
Pad Drive Board	-	-	-	-	-

SCRUBBER DRYER RIDE ON

NILFISK

The Nilfisk range of automatic cleaning machines allow you to clean up your area efficiently. We have four priorities when developing the high output machines, excellent cleaning result, ease of use, maximum lifespan, and low maintenance and service costs. Our machine clean your floor with the utmost care, efficiently and quickly.

**BRUSH
WIDTH
53 CM**

**AREA WIDTH
3180M²/H**

**BRUSH
WIDTH
2x35CM**

**AREA WIDTH
4260M²/H**

**BRUSH
WIDTH
2x43CM**

**AREA WIDTH
6020M²/H**



SC2000 – RIDE ON SCRUBBER

- OneTouch™ button and the intuitive display
- Smartflow™ technology
- 70 liter tank allowing up to 2.5 hours cleaning time

SC3500 – RIDE ON SCRUBBER

- OneTouch™ button and increased brush pressure (35/50 kg)
- Up to 3 hours battery run time
- 110 liter tank with water level indicator

SC4000 860D HP – RIDE ON SCRUBBER

- OneTouch™ button and the intuitive display
- Ecoflex™ prepared: green, flexible
- Smart flow adjust suction flow according to travel speed

Code/Type	10090247	10469440	10545018
Product	SC2000 - RIDE ON SCRUBBER	SC3500 - RIDE ON SCRUBBER	SC4000 860D HP - RIDE ON SCRUBBER
Dimensions, L x W x H (mm)	1270x550x1020	1620 x 760 x 1250	1590x920x1460
Vacuum (kPa)	9.8	15.05	-
Voltage (V)	24	24	7
Battery compartment size (L x W x H) (mm)	350x360x280	590 x 390 x 350	605x415x440
Max. speed (km/h)	6	6	8
Brush speed (RPM)	155	180	-
Cleaning/Scrubbing Width (mm)	530	710	-
Solution/recovery tank (L)	70/70	110 / 110	125
Brush pressure (kg)	15/30	30/50	100
Max. climbing rate (%)	15-18	10	-
Productivity rate (Theoretical/Actual)	3180/2230	4260/2980	6920/4844
Brush/pad diameter (mm)	530/508	355/355	430
Gross weight (kg)	342	545	1673
Vacuum motor power (W)	310	500	850
Brush motor (W)	450	500	-
Sound pressure level at 1.5 m (dB(A) ISO 3744)	68/62	69	67.8
Standard Accessories			
Kit Charger	v	v	v
Tray Debris Kit	v	v	v
Blade Side Skirt Rubber Kit	-	-	-
Brush	v	v	v
Pad Holder	-	-	v
Squeeges	v	v	v



SHOPPING MALLS



EXHIBITION CENTER



SPORT ARENA

OVERVIEW ACCESSORIES – SCRUBBER



Cylindrical Brush

For uneven floors like ceramics anti-slip floors



Brush

Used on uneven floors when debris collection is not needed



Pad Holder

Used for pads



Pads

Black & Brown: Heavy-duty
Green & Blue: Medium-duty
Red: Light-duty



Splash Guard Kit

Prevents water from splashing on deck. Enables squeegee to recollect water



Kit, Vacuum Motor

Allow squeegee better suction.



Kit, Grammer Seat

Better comfort to the operator



Onboard Filling Hose

Makes it easy to refill the machine everywhere



Blades

Various squeegee blade materials are available depending on the application and duty



Onboard Charger



Ecoflex allow full control of the detergent to be used, flexibility in the detergent selection



Control the dust in the hopper



For scrub to give you the best possible cleaning performance

FREEDOM TO DO BETTER

NILFISK LIBERTY SC50

PRODUCTIVITY

Clean More Faster



MAPPING TECHNOLOGY



EDGE CLEANING



PATH PLANNING



SMART SOLUTION



SMART OBSTACLE DETECTION & GO-AROUND



IOT IMPLEMENTATION

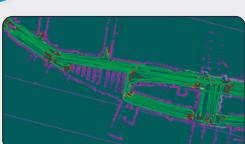
Technologies Enhancement



- Doesn't require constant WiFi or data connection to operate autonomously
- Mandatory connectivity for remote support / software upgrade
- Basic remote or machine updates, doesn't require a Smart Phone
- Doesn't interfere with building systems, such as door sensors, anti theft tags, etc.
- Sensors have carefully selected and tested against colors, material types, and gloss

FLEXIBILITY

Ready For Anything



CopyCat™ mode replicates a designated cleaning path with exact precision

* Liberty SC50 precisely learns exactly how you want to clean.



Fill-in mode lets you implement autonomous cleaning the fastest way possible – no pre-mapping or programming required.

* Easy and fast to train a new cleaning area up to 99.5% of cleaning coverage



Manual mode gives you complete control over movement and cleaning like a normal scrubber.

Code/Type	10494673 LIBERTY SC50		
Specification			
Scrub head	Disc	Gradeability transport % (DEG)	15% (8.53 degrees)
Scrub path	51 cm (20in)	Gradeability working % (DEG)	9% (5.14 degrees)
Solution/recovery tank capacity	57/53 L (15/14gal)	Min. turn-around aisle width (cm)	159.2 (62.7in)
Voltage (V)	24	Squeegee width (cm)	76.7 (30.2in)
Battery capacity (Ah/5)	255	Length (cm)	135.5 (53.3in)
Protection class	IPX4	Width (cm)	76.1 (30.0in)
Scrub brush speed	157 RPM	Height (cm)	144.1 (56.8in)
Handle vibration level (m/s²)	0.17	Gross weight (gww) (kg)	484.4 (1067.9lb)
Vibration level at the operator's body (m/s²)	0.01	Max. transport autonomous	1.055 m/s (2.35 mph)
Max. theoretical productivity	1,936 m²/hr (20,839ft²/hr)	Max. transport speed - manual Fwd.	5.0 kph (3.1 mph)
Sound level (IEC60335-2-72)	63 dB A / .029344 uPa	Max. transport speed - manual rev.	2.6 kph (1.62 mph)

Accessories & Features	
Front and rear bumpers	v
Solution level indicator	v
Battery level indicator	v
Squeegee	v
TrackClean ready	v
Autonomous operation	v
Manual operation	v
TextAssist operator alerts	v
Digital reports	v
Software updates	v
Copycat mode	v
Fill-in mode	v
Pause/resume autonomous plan	v
USB port	v

AIR BLOWER & CARPET EXTRACTOR

NILFISK

Nilfisk air blowers and carpet extractors are highly efficient cleaning tools, designed to make cleaning tasks easier and more effective. With advanced technology, these products are able to quickly and effectively remove dirt and debris from carpets. The carpet extractor uses a low-foam cleaning chemical to spray water onto the fabric or carpet, and then vacuum it up, leaving it clean and dry in a shorter time compared to traditional methods. The air blower, on the other hand offers an ideal solution for drying large carpets and floors, as well as the fast moving of air from toilets in hotels, schools, offices and similar locations, which reduces the risk of slips and falls. These tools are also very user-friendly, making them a smart investment for anyone looking for efficient and effective cleaning solutions within the residential/commercial cleaning environments.

AIR BLOWER BN3

- Injection molded fan for quiet operation
- Adjustable handle
- Light weight with wheels



Code/Type	10078429
Product	AIR BLOWER BN3
Power (W)	250
Voltage (V)	220-240
Frequency (Hz)	50
Cable Length (m)	6.5
AIR FLOW (cfm)	LOW 2000 MEDIUM 2200 HIGH 2400
Speed (RPM)	1000/1200/1400
Operating Speed	3
Weight (Kg)	10
Dimension (cm)	41 x 40 x 47

CARPET EXTRACTOR ES300 T

- Certified gold by the carpet rug institute USA
- Up to 89% of soil removed improved water pick up and interim cleaning modes allows for more frequent cleaning & faster turn around times
- Clean carpet more effective by using adjustable roller brush
- High suction power to maximize drying up



Code/Type	10090216
Product	ES300 ST
Brush Speed (RPM)	1950
Solution/Recovery Tank (L)	34/26.5
Productivity rate (m ² /h)	159
Brush Diameter (mm)	410
Suction Width (mm)	480
Working Width (mm)	410
Power Consumption (W)	1824
Power Supply (V/Phase)	220V / 1
Dimension L x W x H (mm)	711x489x813
Weight (Kg)	53.5
Electrical Cable (m)	15
Standard Accessories	
Hand Tool/Hose Assembly	v
Brush Assembly	v

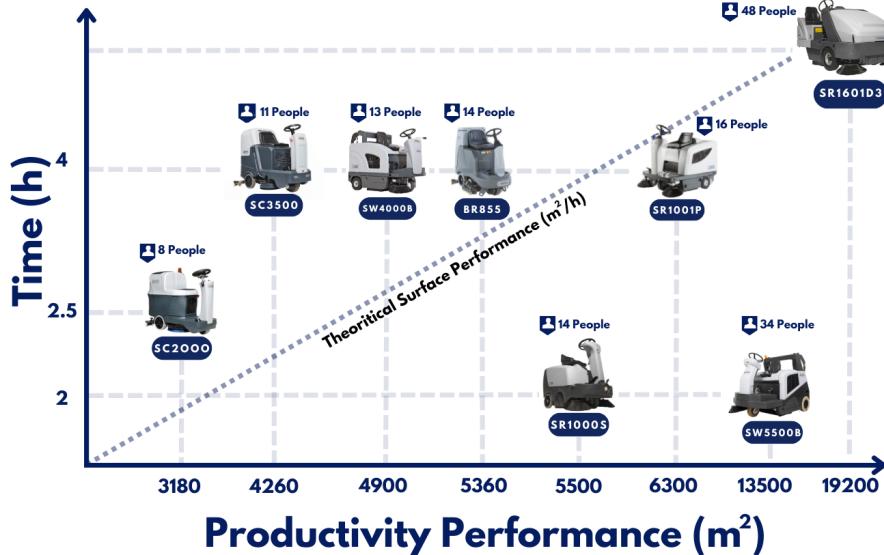


OFFICE



HALL

FLOOR CARE CALCULATION AREA



MANUAL VS CLEANING EQUIPMENT



MANUAL CLEANING
NEED 10 HOURS CLEANING



CLEANING EQUIPMENT
ONLY 1.5 HOURS CLEANING

SIMULATION:

For cleaning a 20m x 20m warehouse (4000m²), the average cleaning rate for one worker would be 400m²/hour.

It would take at least 10 hours to get the cleaning done for the entire warehouse.

If we were using the Ride On Sweeper SC2000 (Productivity 3180m²/hour). It would only take 1 operator, to do the cleaning for 1,5 hours



**Kawan Lama
Solution**

28
SERVICE
CENTER



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58
BRANCH
OFFICE



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