

The HydroMax Pro Range

EXCEPTIONAL WAREWASHING

NELSON

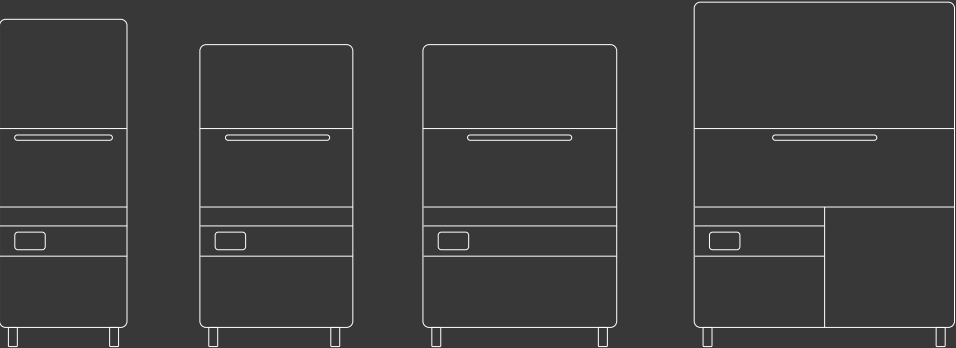
THE ULTIMATE UTENSIL WASHER



'Wash360' System | ColourKey Controls



NELSON WAREWASHING MANUFACTURE
SALES AND SERVICE **SINCE 1978**



PAGE 06	A POWERFUL SOLUTION Presenting HydroMax, our range of four, exceptionally specified machines promising outstanding results within the most challenging environments.	PAGE 14	DESIGN DETAILS THAT DELIVER The superior fabrication specification combined with easy operation and exceptional functionality ensure HydroMax Pro will deliver every time.
PAGE 08	CLIMATE CONSCIOUS Numerous, clever design features reduce the levels of both the energy and water that is required to keep these machines running at max efficiency	PAGE 16	THE HYDROMAX COLLECTION 16: HM-55 - 550mm basket width 18: HM-70 - 700mm basket width 19: HM-85 - 850mm basket width 20: HM-135 - 1350mm basket width
PAGE 09	THE HYDROMAX PRO TEAM These four machines, featuring our 'Wash360' System, will uphold the very highest standards of hygiene and deliver perfect results day in, day out.	PAGE 17	SMART SAVINGS Our HR models feature heat exchangers that utilise the heat from the steam generated in the rinse cycle to raise the temperature of fresh incoming water.
PAGE 10	A BUILD TO RELY ON HydroMax Pro's superior build quality and specifications are key to the machines' longevity, reliability and faultless performance.	PAGE 23	THE TECH SPECS A simple comparison tool that enables you to evaluate the various features and benefits of the HydroMax Pro range at a fleeting glance.
PAGE 12	TAKING CONTROL Our new ColourKey control panel is exceptionally user-friendly with colour-based coding, clear graphics and even multiple language options.	PAGE 24	AFTERCARE & SUPPORT Long after your new HydroMax Pro is up and running, we'll be there to provide ongoing service support and backup for the lifetime of your machine.

MAXIMISE YOUR POTENTIAL

Nelson's extensive experience in the warewashing market, gained over more than four decades, has ensured that we are completely familiar with what today's market demands in terms of performance, reliability, innovation and value, and it is our mission to deliver it.

Our powerful new HydroMax range of pot and utensil washers, featuring our 'Wash360' System and ColourKey controls, has been designed to meet the needs of the most hard working and demanding kitchens. HydroMax combines a super powerful performance with significant energy and water saving efficiency while its sleek, modern design, complete with a fully customisable interface, streamlines the efficiency of any operation, delivering a high-functioning, cohesive pot washing solution that will deal with countless items without complaint.

The range comprises four machines with loading widths ranging in size from 550 to 1350mm. And, because each machine is also available with an integrated steam condenser system, there is an

opportunity to further increase the machines' energy saving potential and reduce humidity within your own environment.

HydroMax's tank-like cabinet is fabricated from 304-grade stainless steel to provide maximum durability within the toughest and busiest environments, providing day on day reliability and consistency. Meanwhile, ease of use is assured by the cleverly designed, highly intuitive, ColourKey control system.

The ColourKey panel interacts with the user on several levels and icons are clear and self-explanatory, enabling the settings to be readily amended if required. These options even include a selection of languages, a valuable feature that is especially beneficial for organisations employing staff who don't have a strong command of English.

Typically, users include busy restaurant and hotel kitchens, butcheries and bakeries, food production facilities, care homes, hospitals and schools, colleges and universities.



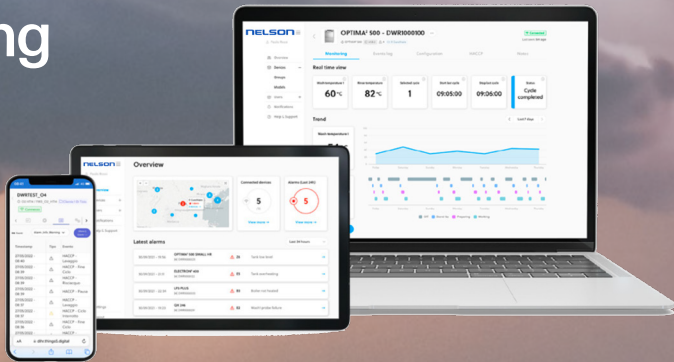
Minimum Energy. Maximum Power

CLIMATE CONSCIOUS WAREWASHING

Clever design features ensure that HydroMax uses only the minimum amount of power necessary. Double skinned insulation throughout prevents heat and noise escaping into the environment while the atmospheric boiler provides a high level of thermal efficiency. And, in between wash cycles, the boiler temperature automatically drops to conserve energy.

In models with steam heat recovery, the steam generated during the rinse cycle is used to pre-heat the incoming cold rinse water. Typically, this will raise its temperature to approximately 50°C meaning that only minimal energy is required to achieve the Thermostop-controlled rinse temperature of 85°C. A further benefit of the steam heat recovery system is that there is less moisture entering the surrounding area on completion of the cycle.

Connected Warewashing



If required, your HydroMax Pro machine can be connected to a cloud-based hub for precision monitoring and management.

This enables operators to interact with settings and functionality and to keep track of a machine's day to day usage, energy consumption and other general

data. It also permits the Nelson service support team to access vital information and to respond rapidly in the event of a problem.

The portal can be accessed from several devices at any time for off-site management or for businesses operating machines across multiple locations.

Presenting HydroMax-Pro

FOUR MODELS. EIGHT OPTIONS. NO COMPROMISE.

HM-55-F-U

550 x 665mm Basket



2 x 300mm pot capacity
4 wash programmes
width 690mm
depth 800mm
height 1890mm[§]

HM-70-F-U

700 x 700mm Basket



4 x 300mm pot capacity
4 wash programmes
width 840mm
depth 885mm
height 1790mm[§]

HM-85-F-U

850 x 725mm Basket



5 x 300mm pot capacity
4 wash programmes
width 990mm
depth 885mm
height 1790mm[§]

HM-135-F-U

1350 x 725mm Basket



8 x 300mm pot capacity
4 wash programmes
width 1490mm
depth 885mm
height 1970mm[§]

[§] Heights shown are without door panels being raised.
[§] Optional heat recovery system adds an extra 350-385mm to overall height.

BUILT-IN RESILIENCE

HydroMax is, quite simply, designed to deliver and its robust build quality will unfailingly withstand the ongoing demands of the very toughest catering and food production environments. The body and cabinet are fabricated entirely from AISI 304 stainless steel.

This versatile and extensively used austenitic grade is widely recognised for its adaptability and outstanding corrosion resistance due to a high nickel content.

Meanwhile, the wash tank is constructed from AISI 316 stainless steel (AISI 304 on the HM1), providing ongoing durability and corrosion resistance, especially important where chlorides are present and high temperatures are the norm.

Ultimately, this specification will ensure the resilience and longevity of the tank and boiler, making HydroMax ideally suited to the most challenging and uncompromising situations.



COLOUR IS THE KEY

USING COLOUR TO UNLOCK THE SMOOTH, SIMPLE OPERATION OF HYDROMAX PRO

Clear. Intuitive. Informative.

Simplicity is at the heart of HydroMax's operation and is centred around the smart user interface comprising a 5" screen, a row of dynamic function keys and the all-important ColourKey – a colour-changing, soft-touch button that is the primary source of interaction during everyday use.

HydroMax is supplied with four, pre-set wash programmes which can be customised if required. These, along with many other optional settings and variables, are accessed via the machine's intuitive controls.



Colour Coded Clarity

Once your HydroMax Pro is configured to the specific requirements of your business, the ColourKey will be the only control required during regular, day to day use. When ready to commence a wash programme, ColourKey glows green and then, throughout the cycle, will move through several colour changes to provide clear updates on the machine's progress up till the conclusion of the cycle.

START The machine is in the process of filling with water and heating to an optimum 55°C

START The blue light confirms that your selected wash cycle is currently in operation

START The filling and heating stage is completed and your HydroMax Pro is ready for use

START Intermittent blue/green shows the cycle has ended and the machine can be unloaded

Easy Interaction

A 5" liquid crystal display provides complete clarity on the machine's status, depicting vital information such as wash and rinse temperatures, the selected cycle and the progress of that cycle. It is also the portal to access the machine's features and settings.

Interaction with the panel couldn't be easier. A row of soft touch function keys at the bottom of the panel enables the user to select from various options displayed in the horizontal menu bar above.



Features & Benefits

THE FULL HYDROMAX PRO AT A GLANCE



Up to 30 baskets washed per hour



550mm to 1350mm basket sizes



4 wash programmes (3 to 14 minutes)



Models to fit all requirements



Generous load-height



Strong & durable build quality



Environmentally friendly design



Low noise output at 64 to 72 dB A



Fully insulated walls and doors



Reduced water usage



Low energy consumption



'ColourKey' digital controls



Heat recovery system (optional)



Automatic self-cleaning cycle



Advanced 'Wash360' system



Multi-tier filtration system



Water softener option available



Self diagnostic with fault alerts



Standby function



Manufacturer's warranty cover

The Wash360 System Laid Bare

INGENIOUS DESIGN BEHIND AN OUTSTANDING PERFORMANCE

Top & Bottom Wash & Rinse Arms



The performance focused, top and bottom, stainless steel wash and rinse arms blast water through the tank with force and precision. The arms are designed to enable quick and easy removal for cleaning.

Side-Mounted Wash Jets



In addition to the wash and rinse arms, these machines are fitted with two, fixed side bars that drive powerful water jets horizontally across the entire wash tank, ensuring total coverage of every part of the chamber.

Triple Wash Arm Assembly



The wash arms are triple pronged - a feature that dramatically increases the water's range and distribution beyond that provided by the usual two-pronged arms, providing exceptional wash and rinse results.

The Ultimate End Results



All these elements combine to create an exceptionally powerful and thorough wash that addresses the load from every angle with a force capable of successfully tackling the most challenging levels of soiling.

Ultra-Hygienic, Self-Cleaning Moulded Wash Tank With No Blind Spots



Smart Filtration Beds

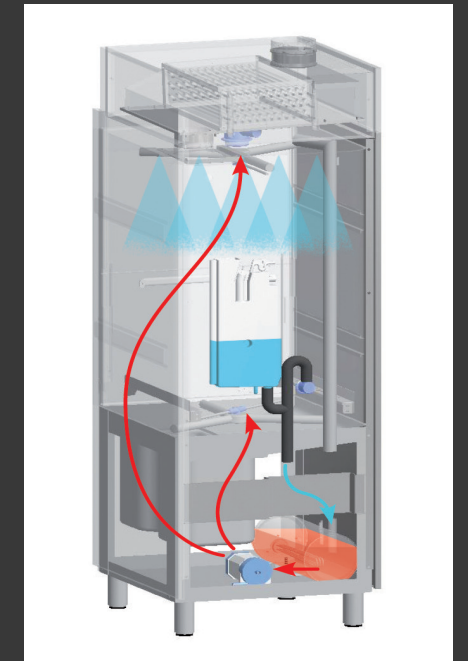


TOP: The robust, sloping wash tank is seamless and self-cleaning so that no debris remains after water is channelled into the highly effective filter system.

MIDDLE: The highly effective stainless steel filter system comprises both a horizontal flatbed filter and a vertical cylindrical filter that work in tandem to capture debris.

RIGHT: The rinse water is thermostop controlled meaning that a consistent 85°C is maintained throughout the duration of the 12 second rinse cycle, in line with HACCP advice.

Internal Heat-Exchange System

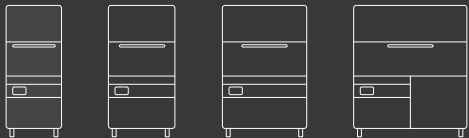
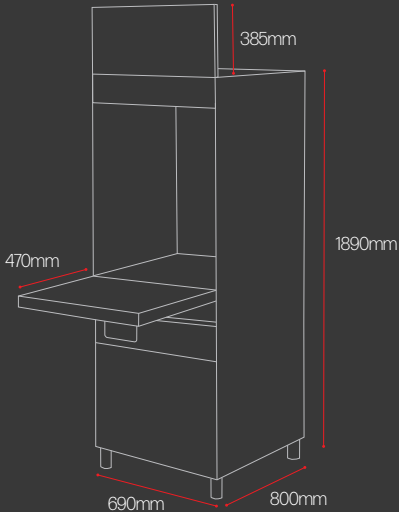


Nelson HydroMax-Pro HM-55

COMPACT UTENSIL WASHER WITH 'WASH360' SYSTEM

Model:	HM-55-F-U	No. of wash customisable programmes:	4 (2, 4, 6, 8 mins)
Max. no. of baskets washed per hour:	30	Basket Size:	550 x 665mm

- Intuitive 'ColourKey' digital controls
 - Our powerful 'Wash360' system, comprising:
 - » Stainless top and bottom triple 'PowerWash' arms
 - » Stainless side-mounted fixed 'PowerWash' jets
 - » Stainless steel top and bottom rinse arms
- Multi-level filtration system
 - Superior durable build quality
 - Low energy and water consumption
 - Self-cleaning & self-diagnostic system
 - Thermostop feature ensures rinse temperature



Full Steam Ahead

TURNING STEAM INTO ENERGY

Our four HydroMax Pro models are also available in steam heat recovery variants thereby maximising their energy efficiency while significantly saving on running costs. They also reduce the volume of steam emitted into the immediate environment at the end of a wash cycle.

The integral heat exchanger utilises hot steam generated during a rinse cycle to pre-heat the incoming cold water supplying the subsequent rinse cycle. This is sufficient to raise the water temperature to approximately 50°C meaning that less energy is required to reach the final rinse temperature of 85°C.

Beyond the substantial energy saving, the residue of steam that escapes from the machine when the door is opened is greatly diminished therefore contributing to a far more comfortable working environment for kitchen staff in the surrounding area.

- ECO FRIENDLY
- MONEY SAVING
- LESS STEAM
- LESS VENTILATION NEEDED

The HM-55 model shown with and without heat recovery system. The additional bulkhead adds 275 to 350mm to the overall height.
(model dependant)



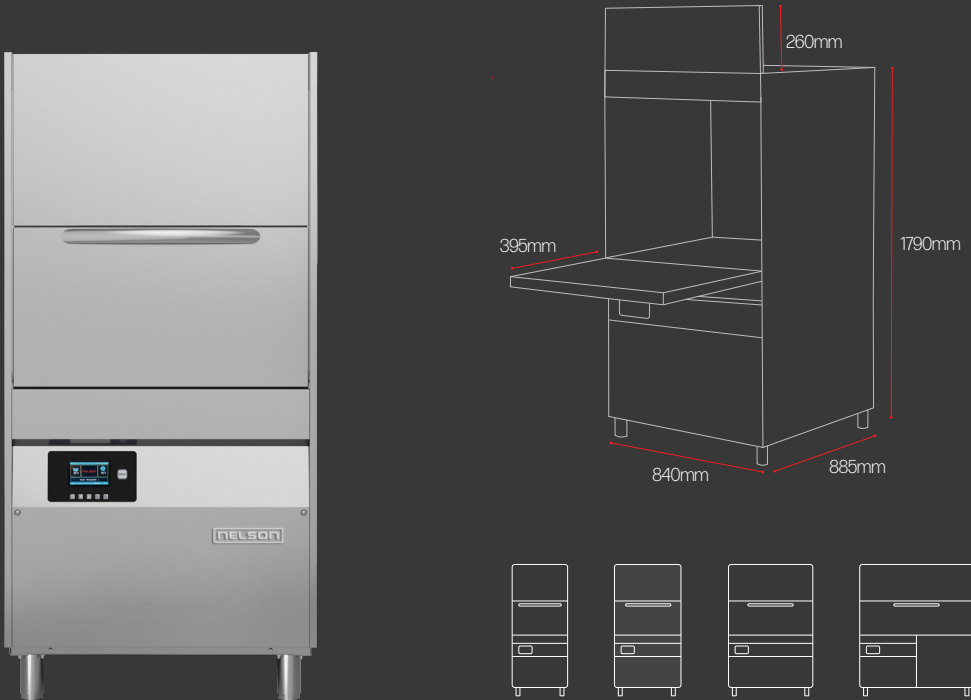
Nelson HydroMax-Pro HM-70

MAXI-SIZE UTENSIL WASHER WITH 'WASH360' SYSTEM

Model:	HM-70-F-U	No. of wash customisable programmes:	4 (3, 6, 9, 12 mins)
Max. no. of baskets washed per hour:	20	Basket Size:	700 x 700mm

- Intuitive 'ColourKey' digital controls
 - Our powerful 'Wash360' system, comprising:
 - » Stainless top and bottom triple 'PowerWash' arms
 - » Stainless side-mounted fixed 'PowerWash' jets
 - » Stainless steel top and bottom rinse arms
- Multi-level filtration system
 - Superior durable build quality
 - Low energy and water consumption
 - Self-cleaning & self-diagnostic system
 - Thermostop feature ensures rinse temperature

(The features above apply to both the HM-70 and the HM-85)



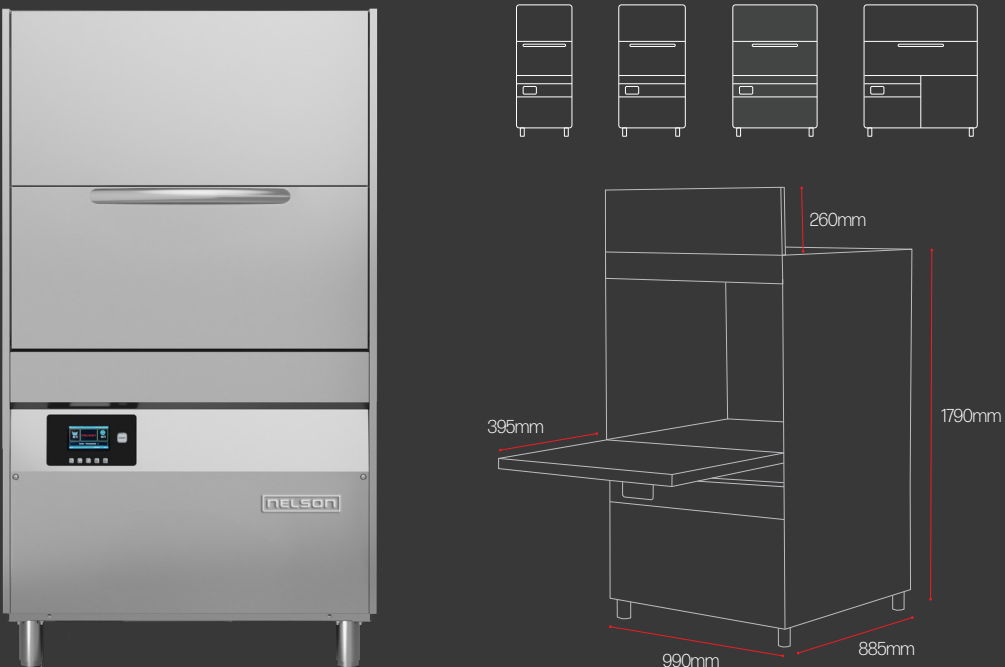
Nelson HydroMax-Pro HM-85

JUMBO-SIZE UTENSIL WASHER WITH 'WASH360' SYSTEM

Model:	HM-85-F-U	No. of wash customisable programmes:	4 (3, 6, 9, 12 mins)
Max. no. of baskets washed per hour:	20	Basket Size:	850 x 725mm

Let's Talk Size

We offer four HydroMax Pro models with incremental load widths. These have been carefully considered to ensure they will meet the needs of the vast majority of the catering industry's requirements. With capacities that readily accommodate substantial pots, trays, containers and utensils of varying shapes, HydroMax Pro is built to perform within the most demanding environments, from hotels and schools to bakeries and production kitchens.

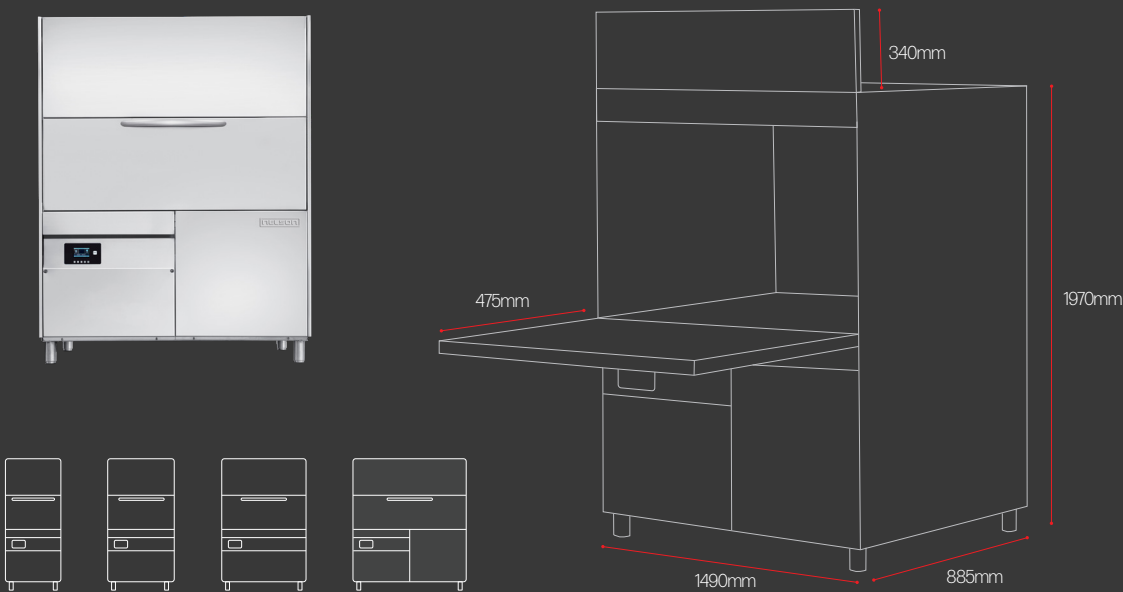


Nelson HydroMax-Pro HM-135

ULTRA-WIDE UTENSIL WASHER WITH 'WASH360' SYSTEM

Model:	HM-135-F-U	No. of wash customisable programmes:	4 (3, 6, 9, 12 mins)
Max. no. of baskets washed per hour:	20	Basket Size:	1350 x 725mm

- Intuitive 'ColourKey' digital controls
- Our powerful 'Wash360' system, comprising:
 - » Stainless steel top and bottom triple 'PowerWash' arms
 - » Stainless steel side-mounted fixed 'PowerWash' jets
 - » Stainless steel top and bottom rinse arms
- Multi-level filtration system
- Thermostop feature ensures rinse temperature meets HACCP regulations
- Low energy and water consumption
- Self-cleaning & self-diagnostic system
- Superior durable build quality





Technical Specifications

Model No. Cabinet Type		 HM-55-F-U Floorstanding	 HM-70-F-U Floorstanding	 HM-85-F-U Floorstanding	 HM-135-F-U Floorstanding
PERFORMANCE	Basket dimension (mm)	550 x 665	700 x 700	850 x 725	1350 x 725
	No. of baskets supplied	4	4	4	4
	No. of wash cycle programmes	4	4	4	4
	Wash cycle options (mins)	2, 4, 6, 8	3, 6, 9, 12	3, 6, 9, 12	3, 6, 9, 12
	Maximum baskets per hour	30	20	20	20
	No. of 300mm dia. stock pots washed per hour	2	4	6	8
SIZES AND WEIGHT	External cabinet width (mm)	690	840	990	1490
	External cabinet depth (mm)	800	885	885	885
	External cabinet depth with lower door open (mm)	1270	1280	1280	1360
	External cabinet height (mm)	1890	1790	1790	1970
	External height [heat recovery version]	2165	2140	2140	2320
	Usable loading height (mm)	805	645	645	820
	Height with top door raised (mm)	2275	2050	2050	2310
	Appliance weight (KG)	155	199	221	320
	Shipping weight (KG)	170	214	238	335
CONSTRUCTION AND FEATURES	Control panel interface type	ColourKey	ColourKey	ColourKey	ColourKey
	HACCP-compliant connectivity (on request)	Yes	Yes	Yes	Yes
	Automatic self clean	Yes	Yes	Yes	Yes
	Self-diagnostics with fault alert	Yes	Yes	Yes	Yes
	Stand-by function when not in use	Yes	Yes	Yes	Yes
	Internal break tank built-in	Yes	Yes	Yes	Yes
	High temperature rinse system	Yes	Yes	Yes	Yes
	Internal drain pump built-in	Yes	Yes	Yes	Yes
	Triple stainless steel wash arms	Yes	Yes	Yes	Yes
	Fixed, side-mounted wash jets	Yes	Yes	Yes	Yes
	Stainless steel rinse arms	Yes	Yes	Yes	Yes
	Top and bottom wash arms	Yes	Yes	Yes	Yes
	Top and bottom rinse arms	Yes	Yes	Yes	Yes
	Multi-level filtration system	Yes	Yes	Yes	Yes
	Thermal-acoustically insulated wash tank	Yes	Yes	Yes	Yes
	Insulated rinse boiler	Yes	Yes	Yes	Yes
	Double-skinned wall panels	Yes	Yes	Yes	Yes
	Double-skinned door/hood panels	Yes	Yes	Yes	Yes
	Auto detergent and rinse-aid dispensers	Yes	Yes	Yes	Yes
MECHANICAL AND ELECTRICAL	Standard electrical connection	40 amps (3P)	63 amps (3P)	63 amps (3P)	63 amps (3P)
	Optional alternative electrical connection	No	No	No	No
	Total electrical loading (kW)	8.2	12.5	13.4	14.8
	Wash tank capacity (Ltr.)	50	82	82	148
	Rinse water consumption (Ltr.)	4.2	4.3	4.3	8.6
	Rinse booster pump	Yes	Yes	Yes	Yes
	Mains water connection (mm)	15	15	15	15
	Min. water pressure required (Bar)	2-4	2.4	2.4	2.4
	Drain outlet size (mm)	28	28	28	28
	Waste connection size required (mm)	42	42	42	42

READY WILLING & ABLE

We're certain that your new HydroMax Pro machine will unfailingly deliver the day-on-day reliability and performance you expect for many years to come. However, should there be an eventuality that prevents the machine's normal operation, HydroMax's onboard technology will identify the reason. The ColourKey will flash red intermittently and display the information required to resolve the issue.

In the vast majority of instances, the alert will relate to something minor, typically rinse aid running low, that the operator can address quickly and easily. However, in the highly unlikely event of something necessitating an engineer, the accurate feedback

provided by the machine ensures that your Nelson engineer will arrive fully informed and equipped to be able to fix the problem without delay.

Our service support is as important to us as it is to our customers, and we continuously strive to improve it. Every vehicle in our response fleet is equipped with all the parts necessary to carry out just about any maintenance procedure or repair quickly and effectively and, notably, our skilled engineers achieve a first time fix 98% of the time. Don't just take our word for it - check out a few of the usual independent review sites to see what other customers are saying.





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