



PRODUCT DOCUMENT PACK

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PRODUCT

Adler DWA2120 Topline Pass Through Dishwasher – 3PH Smart Efficiency Series

Model / SKU: DWA2120

KW COMMERCIAL KITCHEN

7/72 Canterbury Road, Bankstown NSW 2200

Phone 1300 001 366

Email sales@kwcommercial.com.au

Web www.kwcommercial.com.au



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TOPLINE

SMART
EFFICIENCY



 **adler**
professional dishwashers

dishwashing passion since 1960

Adler is a reality since 1960, when from an ancient "Spinning Mill" it turns into a new and innovative manufacturing industry specialized in the production of all kind of professional dishwashers. With more than 300.000 dishwashers produced and decades of experience on the market, today our company has a wide network of clients all around the world. Year by year we constantly improved our products, studying new and innovative solutions to satisfy all needs of the market. Adler dishwashers are strictly controlled and carefully tested to satisfy all requirements, including the environmental ones, of any country. All electrical and electronic components are carefully controlled and supplied from European certified companies. In addition to our standard products, we are able to personalize our machines according with the Clients' needs. Dishwashing is a passion we have since 1960!





Our history

1960 Adler was established and starts its activity in the production of electrical appliances.

1975 first professional dishwashers made with Adler brand A100 serie.

1980 second generation of dishwashers B100 serie.

1993 third generation of dishwashers with fixed rack CF serie.

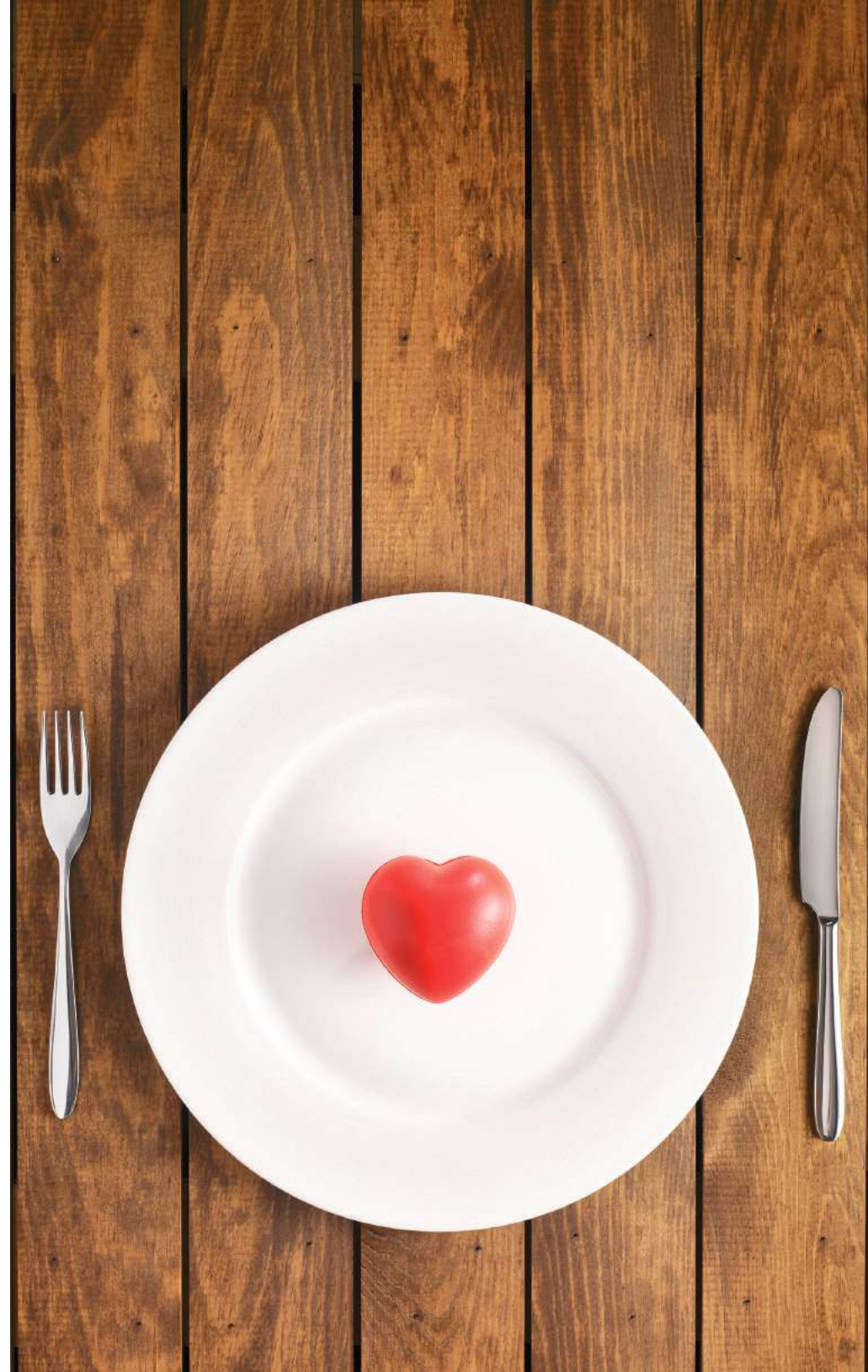
2009 first dishwasher made with single insulation ECO serie.

2010 first dishwashers made with electronic LED control TOP serie.

2013 first dishwasher made with single insulation and electronic LED control EVO serie.

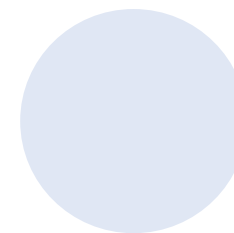
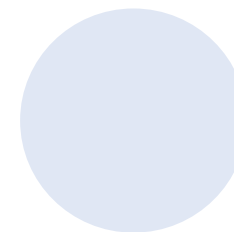
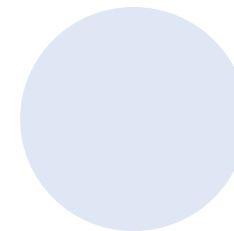
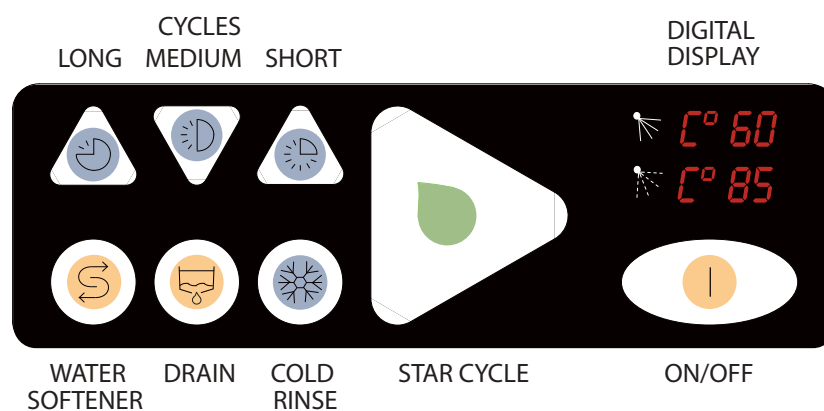
2015 second generation of dishwashers made with single insulation ECO serie.

Today Adler is a successful manufacturer on all kind of dishwashers with a worldwide export net.





Easy and user friendly during daily operations with large dimension of the buttons and brightness of the LED, which are clearly visible in low light and simplify user and staff training time. Digital waterproof flat control panel with single OneGo touch button lets you start cycles only in one gesture. Hoodtype models have the possibility to choose automatic or manual start cycle. All dishwashers have digital display with multifunction messages to facilitate reading of the user. Our dishwashers are specifically studied to reduce daily cleaning operation with minimum and easy maintenance time. Washing chamber is neat without any obstructions. Filters, rack guides and wash arms are profiled with ergonomic shape to facilitate access and removal. Special wash automatic cycle program cleans the tank when the machine is turned off at the end of each use. Our dishwashers simple also for technical service by positioning all components in front of the machine and accessible through an intelligent electrical drawer that reduces considerably service time.





EASY TO USE.

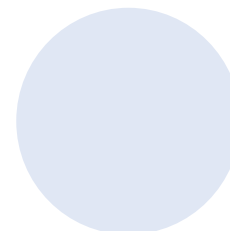
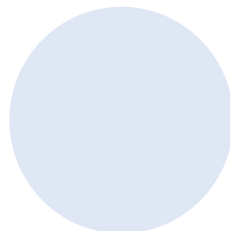


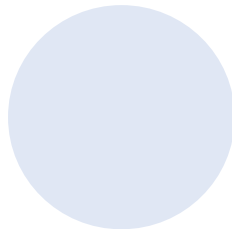
SAFE.



For Adler safety means safe product for the user to reduce chance of injury, safe design for a comfortable working environment and safe manufacturing with test and control on our product. New moulded tank reduces dirt collection and bacteria proliferation inside of the machine, increases safety during daily cleaning and maintenance operations. Body, external housing and chassis of the machine are made in robust and sturdy inox stainless steel, with reinforced door hinges to ensure long life reliability and comfortable use. New automatic door with soft closing system eliminates manual door closing and reduces risk of injuries and fatigue.

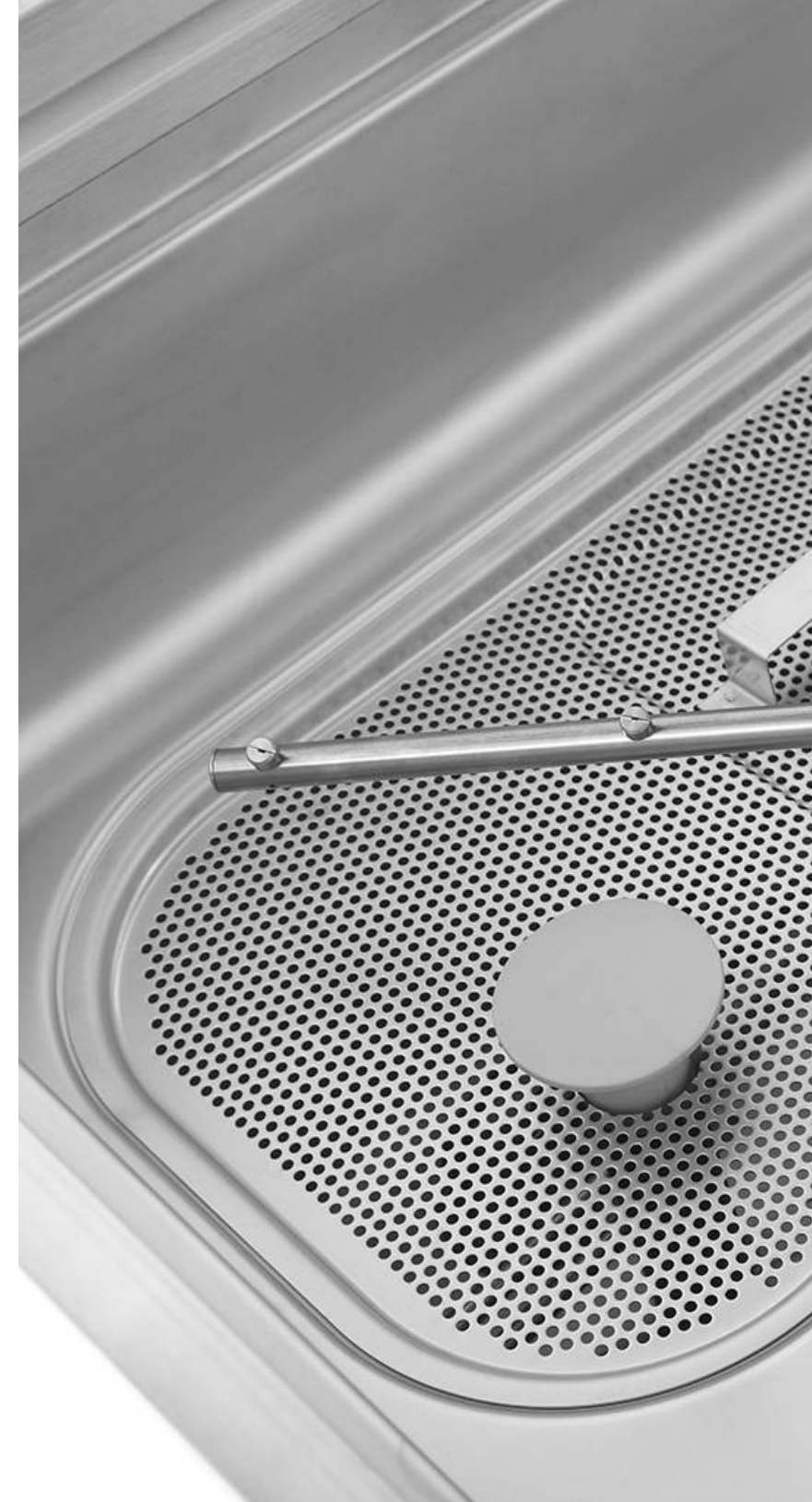
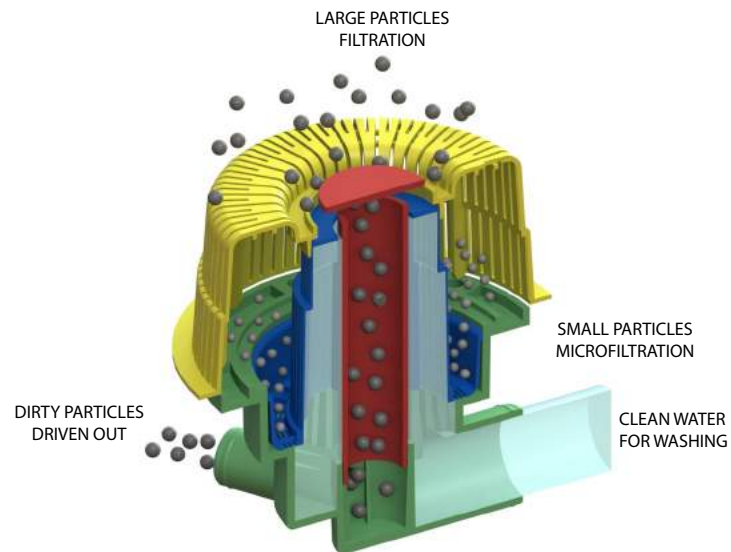
Door is double insulated with ergonomic handle to maximize safety. Soft start system controls wash pump and gradually increase the power of washing to prevent chipping or breaking of dishes. Automatic self diagnostic system analyses each component function of the machine to keep the device user safe and facilitate service program in case of malfunction. All machines are tested and subjected to strict safety controls in compliance with the European regulations and the laws of all countries we export including electromagnetic regulations.





dFilter technology

New dFilter technology system is developed to keep dirt particles outside of the washing line to guarantee excellent washing performances and preserve all hydraulics and electrical components. Our filtration system is composed with external and internal micro filtration sections for large and small dirt particles. Parts are fully moulded made with high and robust quality composite material including 30% fiberglass which increases resistance to high temperatures and aggressive chemical solutions. Maintenance is very simple and safe as a result of to the new interlocking system tool free and easy to use.



CLEAN.

Accurate and continuous search on dishwashing brought us to high standard level of washing results. Efficient wash arms and wash motor pump in combination with our double filtration system and selection of different cycle programs, we reached excellent washing results even in the most difficult conditions with very dirt dishes. Our final rinse is made with high temperature up to 85°C with specific blade shape spray jets designed to cover all dishes on the rack and eliminate bacteria. We also offer adjustable rinse and detergent dispensers to achieve brilliant and perfect clean dishes without flakes and stains. A series of other accessories like built-in automatic automatic watersoftener system for limescale improves quality of the water to have shiny dishes and preserve also hydraulic components.



now each cycle is
45%
more efficient

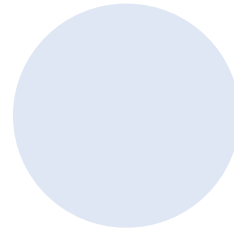
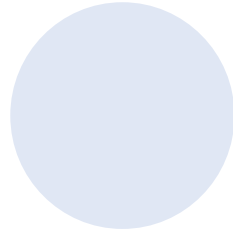


Adler is committed to protect the environment applying on its products new efficient solutions to reduce water, energy and chemicals consumptions up to 45% than previous models. Today our dishwashers are more energy efficient, have more water care and are faster than before. Robust and full insulated structure keeps temperature inside of the machine and reduces waste of heat. Full insulation reduces also noise level which contributes to a better and comfortable working environment. Various choice of wash programs are studied ad hoc to reduce waste of water and chemicals. New and redesigned wash tank with minimum capacity of water reduces considerably time of ready machine. As a result, less quantity of water, energy and chemicals necessary for washing, less waste and pollution produced on the environment. Our manufacturer ensure minimal environmental impact and maximum energy efficiency in compliance with the European laws and regulations.

GREEN.



only 0,05gr CO₂



SAVE.

Savings costs of running and maintenance today is a must and only possible with an efficient wash system. The main factors that contribute running costs of a dishwasher are: water, energy and chemical consumption.

As a result: - *water consumption* + *saving on energy and chemicals* - *costs*.

Adler dishwashers have reached minimum level of waste using new innovative systems and contribute to save running costs up to 45% less than previous models.



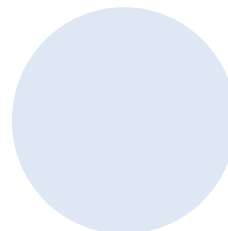
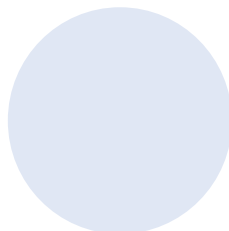
up to
45%
of saving per cycle





maximize your productivity

Maximize your productivity and your profit in your kitchen with efficient equipment. Adler offers a large variety of dishwashers models with different options and accessories to satisfy most of your needs and increase your work flow. Our mission is to provide all washing solutions with the ability to build ad hoc products for every type of customer.



Our family.

undercounter
glasswasher



TOP40E

undercounter
dishwasher



PM50E

hoodtype
dishwasher



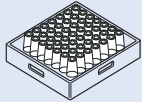
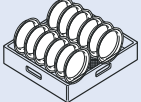
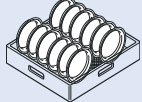
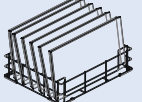
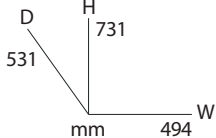
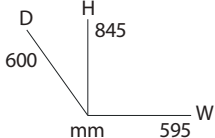
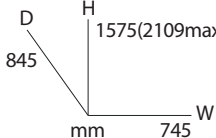
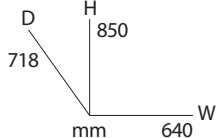
TOP1200E

undercounter
traywasher



AT60

TECHNICAL FEATURES

MODEL	TOP40E	PM50E	TOP1200E	AT60
Interface Type	Electronic LED	Electronic LED	Electronic LED	Electronic LED
Clearance	282 mm	355 mm	477 mm	400 mm
Cycle	2-3 min	2-3-4 min	1-2-3-10 min	2-3-4 min
Rinse Aid Dispenser	✓	✓	✓	✓
Detergent Dispenser	•	•	•	•
Drain Pump	•	•	•	•
Inox Wash Arms	•	•	•	✓
Watersoftner	•	•	•	•
Thermostop System	✓ (attivable)	✓ (attivable)	✓ (attivable)	✓ (attivable)
Soft Start Cycle	✓	✓	✓	✓
Temperature Display	✓	✓	✓	✓
Smart Self Diagnostic	✓	✓	✓	✓
Tank Capacity	5 lt.	24 lt.	20 lt.	24 lt.
Boiler Capacity	2,2 lt.	7 lt.	10 lt.	7 lt.
Tank Heater	2 kW	2 kW	4 kW	2,8 kW
Boiler Heater	2,4 kW	2,4 - 6 kW	9 - 4 kW	2,8 - 6 kW
Power Supply	230V/1N	230V/1N - 400V/3N	400V/3N - 230V/1N	230V/1N - 400V/3N
Washing Pump	0,07 kW/0.10hp	0,55 kW/0.75hp	0,75kW/1hp	0,55 kW/0.75hp
Max. Power Rating	11.5A/2,5kW 230V/1N	15A/3,4kW 230V/1N 9.6A/6,6kW 400V/3N	14.2A/9,8kW 400V/3N 21A/4,8kW 230V/1N	15A/3,4kW 230V/1N 9.6A/6,6kW 400V/3N
Inlet Pressure	2 ÷ 4 bar	2 ÷ 4 bar	2 ÷ 4 bar	2 ÷ 4 bar
Weight	41 kg	65 kg	130 kg	75 kg
Water Consumption	1,5 lt./cycle **	2,8 lt./cycle **	1,5 lt./cycle **	2,8 lt./cycle **
Standard Equipment	1 Rack (Universal) 1 Cutlery Cont.	2 Racks (Univ+Plate) 1 Cutlery Cont.	2 Racks (Univ+Plate) 1 Cutlery Cont.	1 Rack (Universal) 1 Rack (Tray inox) 1 Cutlery Cont.
Hour Production	up to 30 racks/h *	up to 30 racks/h *	up to 60 racks/h *	up to 30 racks/h *
Rack Dimensions (mm)	 400x400	 500x500	 500x500	 400x600
Dimensions				

* inlet water temperature 55°C.

** inlet water pressure 2 bar.

✓ included • optional

n/a not available

Our utensilwasher.



AP1

AP2

AP3

AP4

AP5

TECHNICAL FEATURES

MODEL	AP1	AP2	AP3	AP4	AP5
Interface Type	Electronic LED	Electronic LED	Electronic LED	Electronic LED	Electronic LED
Clearance	650 mm	850mm	850 mm	850mm	850mm
Cycle	2-4-8 min	2-4-8 min	2-12 min	2-12 min	2-12 min
Rinse Aid Dispenser	•	•	✓	✓	✓
Detergent Dispenser	•	•	✓	✓	✓
Detergent Intermittence Dispenser	•	•	✓	✓	✓
Drain Pump	n/a	n/a	n/a	n/a	n/a
Rinse Pump	n/a	n/a	✓	✓	✓
Inox Wash Arms	✓	✓	✓	✓	✓
Dual Filter System	✓	✓	✓	✓	✓
Etra Cold Final Rinse	✓	✓	✓	n/a	n/a
Thermostop System	n/a	n/a	n/a	✓ (attivable)	✓ (attivable)
Auto Cleaning Cycle	n/a	n/a	✓ (attivable)	✓	✓
Temperture Display	✓	✓	✓	✓	✓
Smart Self Diagnostics	✓	✓	✓	✓	✓
CRP	n/a	n/a	✓	✓	✓
Smart Filling	n/a	n/a	✓ (attivable)	✓ (attivable)	✓ (attivable)
Ultra Rinse	n/a	n/a	✓	✓	✓
Tank Capacity	37 lt.	37 lt.	37 lt.	68 lt.	131 lt.
Boiler Capacity	7 lt.	7 lt.	7 lt.	7 lt.	17 lt.
Tank Heater	2,5 kW	2,5 kW	2,5 kW	8 kW	9,5 kW
Boiler Heater	6 kW	6 kW	6 kW	6 kW	9,5 kW
Power Supply	400V/3N conv. 230V/1N	400V/3N conv. 230V/1N	400V/3N conv. 230V/1N	400V/3N conv. 230V/1N	400V/3N conv. 230V/1N
Washing Pump	1,4 kW	1,4 kW	2 kW	2,7 kW	2,7 kW x2
Max. Power Rating	16A/8kW 400V/3N 25A/8kW 230V/1N	16A/8kW 400V/3N 25A/8kW 230V/1N	16A/8kW conv.25A/8kW 16A/11kW conv.32A/11kW	16A/8kW conv.25A/8kW 16A/11kW conv.32A/11kW	25A/15,5kW 400V/3N 40A/15,5kW 230V/1N
Inlet Pressure	2 ÷ 4 bar	2 ÷ 4 bar	1 ÷ 6 bar	1 ÷ 6 bar	1 ÷ 6 bar
Weight	155 kg	155 kg	165 kg	190 kg	295 kg
Water Consumption	4 lt./cycle **	4 lt./cycle **	3-4 lt./cycle **	3-4 lt./cycle **	7 lt./cycle **
Standard Equipment (mm)	1 Rack (560x630)	1 Rack (560x630)	1 Rack (560x630)	1 Rack (700x700)	1 Rack (1310x700)
Hour Production	up to 30-15-8 racks/h *	up to 30-15-8 racks/h *	up to 30-5 racks/h *	up to 30-5 racks/h *	up to 30-5 racks/h *
Dimensions					

* inlet water temperature 55°C.

** inlet water pressure 2 bar.

✓ included

• optional

n/a not available

Our rack conveyor washer.



AC2



AC4

TECHNICAL FEATURES

MODEL	AC2	AC4
Interface Type	Electronic LED	Electronic LED
Clearance	450 mm	450 mm
Production Capacity	60 to 120 racks/h	60 to 270 racks/h

Drawer-Add. Strainer Each Tank	n/a	✓
Progressive Water Filtering	n/a	✓
Heavy Duty Prewash	•	•
Corner Prewash	•	•
Electronic control rack speed	✓	✓
Heavy Duty Dry ProWind	•	•
Corner Dryer	•	•
Integrated Rinse	✓	✓
Integrated ProRinse	n/a	✓
Break Tank System (WRAS reg.)	n/a	✓
Rinse Pump	n/a	✓
Adaptive Rinse ProPortional	n/a	✓
Power Managment ProPower	n/a	✓
Heat Recovery System	•	•
Wash Programs	2	4
Wifi or Bluetooth Connectivity	•	•
Pressure Reducer Manometer	•	✓
Built-in Main Switch	•	•
Emergency Switch	•	•
End Limit Switch	•	•
Detergent - Rinse Aid Pumps	•	•

Wash Temperature	60°C	60 to 63°C
Rinse Temperature	82°C	65 to 82°C
Rinse Consumption lt/h	160 to 270	130 to 280
Rinse Consumption rack/h	1,3 to 2,7	1,1 to 2,2

Power Supply	400V/3N	400V/3N
Total Power (hot feed**)	22 to 29,5kW	22,2 to 29,7kW
Total Power (H.F.+H.R.)	24,7 to 34,2kW	24,9 to 34,4kW
Total Power (cold feed*)	28,5 to 41kW	28,7 to 41,2kW

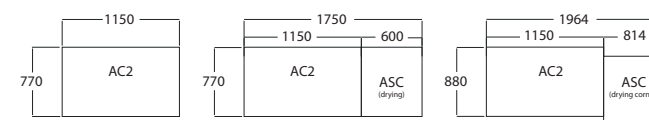
Inlet Pressure	1,5 ÷ 6 bar	1,5 ÷ 6 bar
Dimensions	1280x920x180 mm	2100x920x1850 mm
Weight	240 kg	300 kg
Volume	2,3 m ³	3,8 m ³
Standard Equipment	2 Racks (Glass+Plate)	2 Racks (Glass+Plate)

*cold feed 15-40°C **hot feed 40-60°C

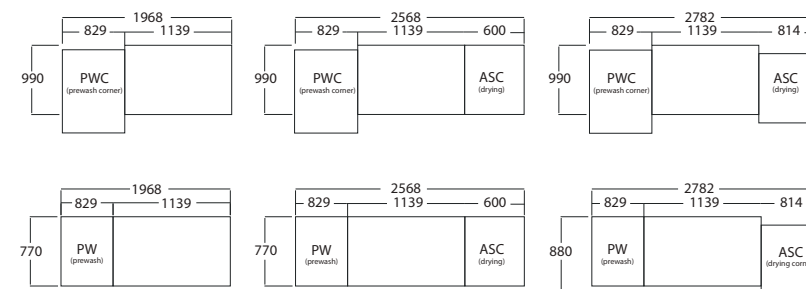
✓ included • optional n/a not available



AC2 ASC



AC4 ASC



Smart Efficiency program is developed to offer a range of dishwashers with innovative and efficient solutions to increase performances of the machine.

TOPLINE+ range includes new system that guarantees constant pressure and high temperature during final rinse to ensure excellent washing results regardless of installation conditions.

TOPLINE SE range includes all features of **TOP+** in addition to the recovery system which reduces energy consumption, eliminates need of vapor extractor and reduces considerably ready time of the machine between each cycle.

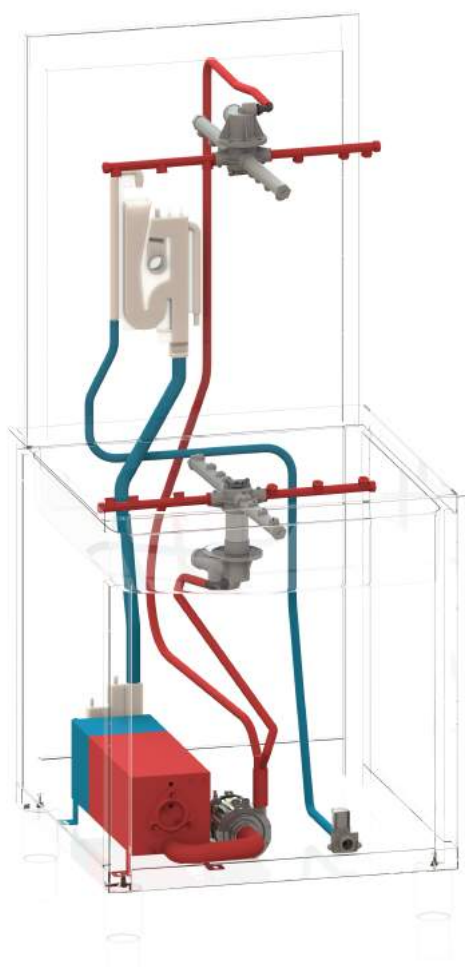
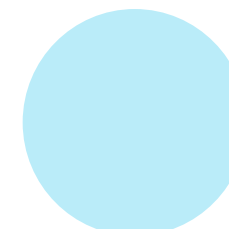
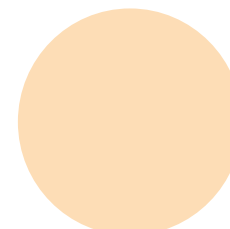
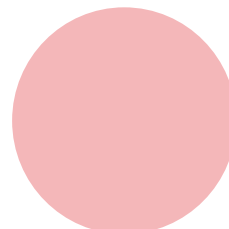
SMART EFFICIENCY

best performance ever.



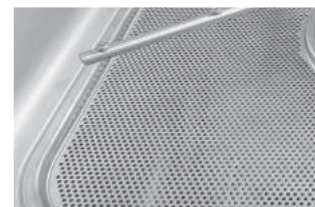


SMART
EFFICIENCY

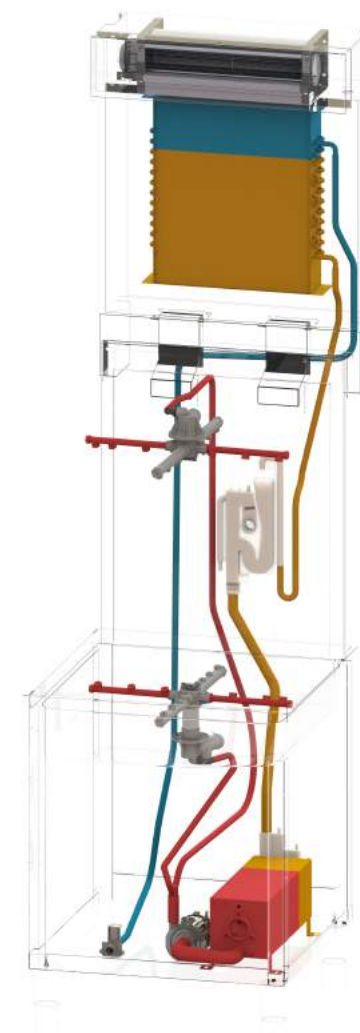


On standard dishwashers final rinse is affected from inlet water temperature and pressure. If water temperature is cold and pressure flow is low, final rinse phase will be affected causing poor washing results. **TOPLINE+** has a different boiler system which is completely independent from inlet water line. Dedicated rinse pump in combination of specific hydraulic circuit and *Break Tank* device system guarantee always high temperature and constant pressure flow during final rinse phase. *Break Tank* system also prevent water contamination into main water line and ensure final rinse in case of drop of pressure with accumulated water tank that satisfy the European standards.

This is the best part of *Smart Efficiency* program, our recovery system. Adler developed **TOPLINE SE** range which includes extractor and condenser devices to eliminate vapor and steam from inside of the machine accumulated during final rinse phase. Powerful fan extracts vapor inside of the washing chamber and use this to preheat incoming water trough the condenser system. With this solution we increase inlet water temperature up to 25°C and we reduce energy and time waste up to approximately 40%. No need of external vapor extractor in the kitchen and the entire process is fully automatic in less than 40".



Classic overflow device drains out water from the machine and is positioned above the surface filter. New *Overflow+* system device is repositionated under the surface filter to keep most of solid dirt particles away from clean water. As a result washing water is kept clean to perform better washing results and preserve hydraulic components from the dirt.



Our *SMART* *EFFICIENCY* family.



high efficiency
undercounter
glasswasher

TOP40E+



high efficiency
hoodtype
dishwasher

TOP1200E+



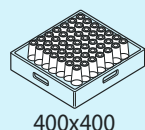
steam recovery
high efficiency
hoodtype
dishwasher

TOP1200SE

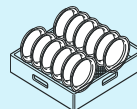
TECHNICAL FEATURES

MODEL	TOP40E+	TOP1200E+	TOP1200SE
Interface Type	Electronic LED	Electronic LED	Electronic LED
Clearance	282 mm	477 mm	477 mm
Cycle	2-3 min	1-2-3-10 min	1-2-3-10 min
Steam Recovery System	n/a	n/a	✓
Rinse Pressure Pump	✓	✓	✓
Break Tank System	✓	✓	✓
Overflow+	n/a	✓	✓
Rinse Aid Dispenser	✓	✓	✓
Detergent Dispenser	•	•	•
Drain Pump	•	•	•
Inox Wash Arms	•	•	•
Tank Capacity	5 lt.	20 lt.	20 lt.
Boiler Capacity	2,2 lt.	10 lt.	10 lt.
Tank Heater	2 kW	4 kW	4 kW
Boiler Heater	2,4 kW	9 - 4 kW	9 - 4 kW
Power Supply	230V/1N	400V/3N - 230V/1N	400V/3N - 230V/1N
Washing Pump	0,07 kW/0.10hp	0,75kW/1hp	0,75kW/1hp
Max. Power Rating	11.5A/2,5kW 230V/1N	14.2A/9,8kW 400V/3N 21A/4,8kW 230V/1N	14.2A/9,8kW 400V/3N 21A/4,8kW 230V/1N
Inlet Pressure	1 ÷ 6 bar	1 ÷ 6 bar	1 ÷ 6 bar
Weight	41 kg	130 kg	130 kg
Water Consumption	1,5 lt./cycle **	1,5 lt./cycle **	1,5 lt./cycle **
Standard Equipment	1 Rack (Universal) 1 Cutlery Cont.	2 Racks (Univ+Plate) 1 Cutlery Cont.	2 Racks (Univ+Plate) 1 Cutlery Cont.
Hour Production	up to 30 racks/h *	up to 60 racks/h *	up to 60 racks/h *

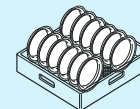
Rack Dimensions (mm)



400x400

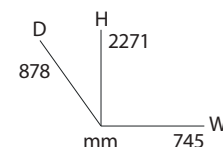
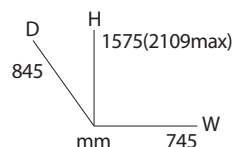
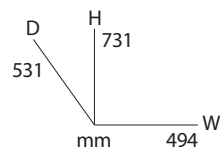


500x500

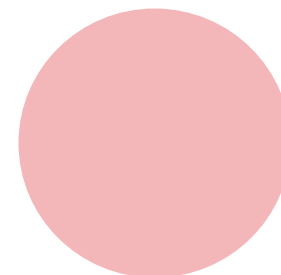
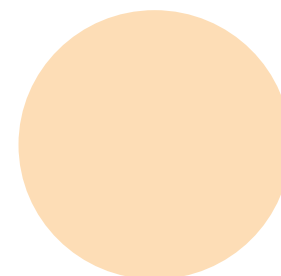
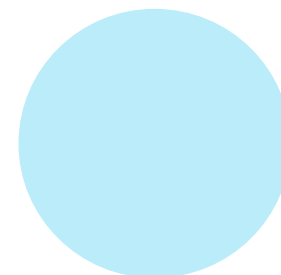
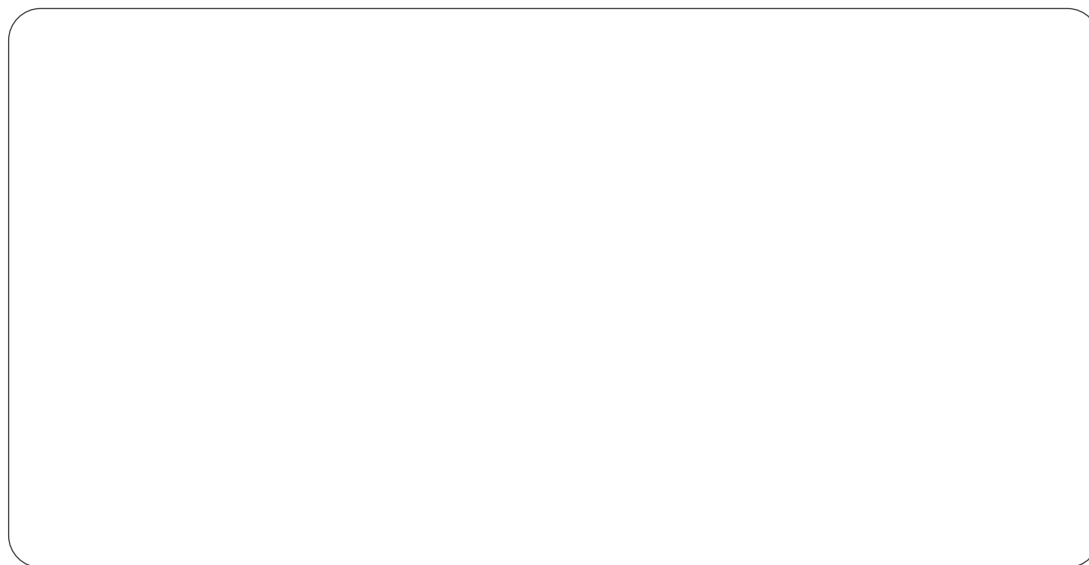


500x500

Dimensions



* inlet water temperature 55°C. ** inlet water pressure 2 bar. ✓ included • optional n/a not available



ADLER S.p.A - Via A. Volta 1/3 - 24060 Costa di Mezzate (BG) - Italy - Tel +39 035 681001/684169 - email: info@adlerspa.it - [visit us: www.adlerspa.it](http://www.adlerspa.it)

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