

LAV BELLA 1003/803

Fully automatic
washing machines
LAVAMAT BELLA 1003/803

The AEG logo consists of the letters 'AEG' in a bold, white, sans-serif font, centered within a solid black rectangular background.

The **LAVAMAT BELLA 1003**
LAVAMAT BELLA 1003 U
and **LAVAMAT BELLA 803**

E-605 191 902

Your new **LAVAMAT** is a modern fully automatic washing machine. With a little care and attention, it will give you many years of faithful service.

This machine offers you the advantage of compiling the wash programmes exactly as you like.

It also incorporates special "power economy" programmes for lightly soiled laundry and economy programmes for small load sizes.

In addition, the **BELLA 1003** models incorporate an extra gentle programme for woollens.

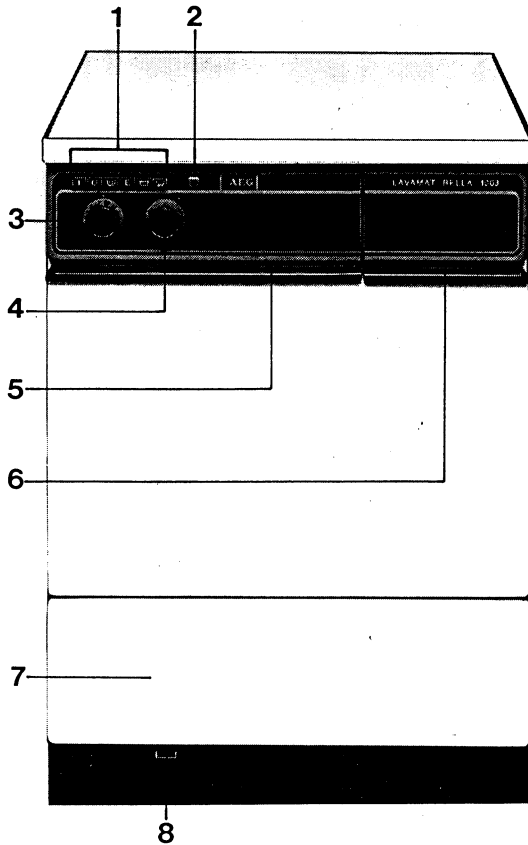
To enable you to obtain the maximum benefit from your **LAVAMAT** washing machine, please read this booklet thoroughly. This will assist you in becoming familiar with the controls of the machine and their functions, thereby ensuring carefree, happy wash days.

Please remember to remove the transit bars (see page 5 under installation).

Spinning speed: more than 1000 rpm.
(**LAVAMAT BELLA 803:**
more than 800 rpm.)

Contents:

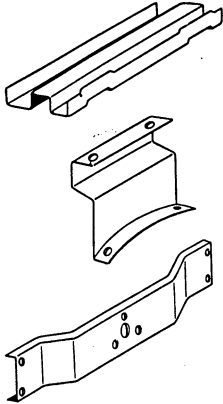
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- 1 = Selector buttons plus ON/OFF-buttons
- 2 = Pilot lamp
- 3 = Programme switch
- 4 = Temperature control
- 5 = Finger grip for opening the drop type front door
- 6 = Finger grip for detergent dispenser tray
- 7 = Lower front panel (pull this lower panel down and the drain filter becomes accessible).
- 8 = Filter outlet

Installation

ATTENTION: Having unpacked the machine, you must first remove the transit bars. Detailed instructions for this operation should be contained on the machine in the form of a separate instruction leaflet. Unscrew the worktop and rear plate and remove 3 parts, 2 bars and 1 bracket (see illustration).



Please keep these transit bars, in case you have to move the appliance for any distance, e.g. moving house. You can now position the machine into place, as required.

Dimensions: Height 85 cm
(without worktop 82 cm)
Width 59.5 cm
Depth 60 cm

Weight: 100 kg approx.

Your machine features a three-point support system so that no adjustment of the feet should be necessary. However, should levelling become necessary — e.g. when incorporating the machine into a fitted kitchen system, then adjustable feet are available as an optional extra. Part Number E 605 899 821.

Electrical connection

Voltage: 220 V AC only (UK versions 240 V)
Connected load 3.03 kW which may be changed over to 2.08 kW

Fuse protection for 3.03 kW = 16 A,
for 2.08 kW = 10 A (UK version please fit a 13 amp fuse or 15 amp plug).

WARNING: This appliance must be earthed.

This appliance complies with the requirements laid out in the EEC Directive 76/889.

Important

The wires in the mains lead are coloured in accordance with the following code:

1. green and yellow = earth
2. blue = neutral
3. brown = live

Fit the mains lead with a 3 pin 13 or 15 amp plug.

As the colours of the wires in the mains lead of the appliance may not correspond with the coloured marking identifying the terminals in your plug, please proceed as follows:

1. The wire which is coloured green and yellow must be connected to the earth terminal in your plug, which is marked with the letter 'E' or by the earth symbol or coloured green yellow, or green and yellow.
2. The wire which is coloured brown must be connected to the live terminal which is marked with the letter 'L' or coloured red.
3. The wire which is coloured blue must be connected to the neutral terminal which is marked with the letter 'N' or coloured black.

When wiring the plug ensure that all strands of wire are securely retained in each terminal. Do not forget to tighten the mains lead clamp on the plug. If your installation is fitted with 2 pin socket outlets, or if you are in doubt, please consult a qualified electrician.

Water supply

Your washing machine is fitted with a high quality pressure hose $\frac{3}{8}$ inch bore with a $\frac{3}{4}$ inch BSP screw connector for connection to a water tap with male

thread. The necessary washers are enclosed. (Please do not use any other washers as they may prove to be of an unsatisfactory quality). Hand tightening of the nut is sufficient — be very careful when using tools.

Please do not connect the machine to a hot water supply, as this has an adverse effect on the washing performance of the machine.

Notes for plumber

Minimum water pressure: about 1 bar excess pressure (= 1 atu, = 1 kp/cm², = N/cm² = 15 p.s.i.)

Maximum permissible water pressure about 10 bar. Where the supply pressure exceeds 10 bar, it is necessary to fit a pressure relief valve type AD 723 (Part Number E 612 896 723).

Should you require a longer water supply hose than that provided, please use only a **continuous** high-pressure hose (at least 60 bar) of suitable length. Do not extend the existing hose.

On no account must you use cheap garden hose or similar hose. Please ensure that suitable clamps are used for attaching the hose to the connector fitting. Please ensure that you comply with any drinking water regulations of your local water board.

At the completion of each wash programme, please close the tap.

Should you wish to soak laundry for a longer period, we recommend that you close the tap after the temperature has been reached (at the end of the drum movement).

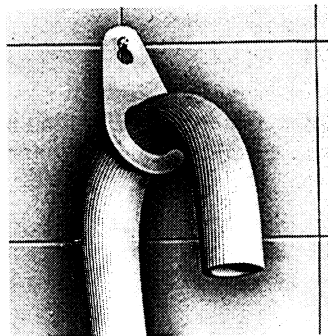
Should you discover some residual water in your machine, after unpacking, please do not worry. It does not mean that the machine has been used before, it is due to the very thorough quality control that the machine undergoes in our factory.

Water drainage

To drain the machine of all soap and rinse water, the machine is fitted with a pump, which is controlled by the programme. It

delivers the water to a head of 1.5 m through the drain hose fitted at the back of the machine.

The drain hose (I/D 19 mm max.) is bent at the end for hooking over a sink edge or similar receptacle. Please secure this bent end in such a way that it cannot slip off (especially where the sink or basin edge is very wide).



If permanent connection to a siphon is required, you can shorten the drain hose as necessary (In this case the hose must be ventilated. The necessary ventilating valve or breather is available from the AEG Service Department).

When installing the machine in a room with floor drainage (i. e. a gully in a laundry room), you can place the hose directly onto the floor after cutting off the bent part, which should be cut at an angle. The hose has been routed inside the machine in such a way that no water can drain off unintentionally when the hose is placed on the floor.

If necessary (e.g. in the case of a power failure) the water can be drained from the machine by carefully opening the drainage filter. The laundry can then be removed from the drum as normal.

Preparing the laundry

Preparation of your laundry prior to commencing washing, can be of immense benefit to you. Take a little time and sort your laundry according to colour and type of fabric. Please check the manufacturers

washing label inside each garment.

Next check the pockets of each garment for foreign bodies e. g. pins, needles, paper clips, paper etc., close all zips. Loosely tie long apron strings or pyjama cords.

Please note: White fabrics should **never** be washed with coloured items. If you do, the white items will gradually become grey in colour.

New items being washed for the first time should always be washed separately. This is because they tend to lose some of their colour during their first wash.

Wool: Woollen articles should only be washed in your LAVAMAT if they are labelled "Machine Washable".

Curtains: Curtains of synthetic fibres are very delicate and can easily be damaged when taken down, or put back up. In most cases the damage shows only after washing (pulled threads etc.). We cannot accept any responsibility for curtains so damaged. If your curtains are particularly delicate, then we recommend that they be hand washed.

Load sizes

Washing

Normally soiled whites or coloureds — Maximum 5 kg (11 lbs) dry laundry weight. The drum has been correctly loaded when you can still turn your hand freely between drum wall and the laundry.

Heavily soiled whites or coloureds (cottons and linens) — up to 4 kg (9 lbs) dry laundry weight. (Items like work clothes, overalls etc). The reason for the reduced load is that heavily soiled garments need the additional space for good wash results.

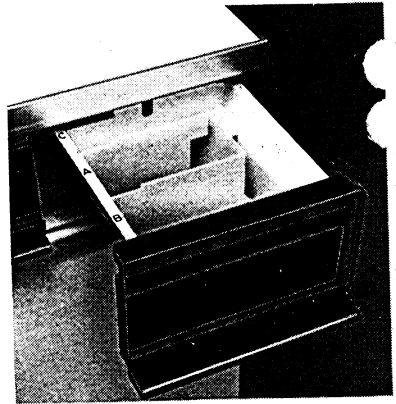
Easy care fabrics, synthetics and woolens — up to 1.5 kg (½ lbs) dry laundry weight. This is the equivalent to 6-8 shirts. In this case the reason for the reduced load is that these types of fabric float in the water to minimise creasing.

Washing powder dispenser

The washing powder dispenser operates automatically. You can add the washing powder for prewash and main wash, as well as the fabric conditioner at the start of the programme, namely

compartment A (centre) for the prewash, compartment B (front) for the main wash, compartment C (rear) for after-care. Please use only liquids in compartment C (e. g. fabric conditioner) and do not add **more than up to the level of the red mark** in compartment C.

Red mark = load limit



If you want to use a fabric conditioner in powder form, such as starch, then this should be dissolved in accordance with the manufacturer's instructions and poured directly into the drum. Alternatively, pull out the dispenser and pour the starch slowly into compartment B.

Please ensure that the dispenser is pushed home fully after loading with washing powder etc. As otherwise no water can come into the machine.

Wash powders

There are many different types of washing powders on the market today. Please do not use ordinary powders like Ariel, Radiant, Daz etc., in your new AEG LAVAMAT. The reason for this is very simple, these powders produce so much

lather that the clothes are prevented from tumbling freely during the washing cycle, therefore they do not get a thorough wash.

Do use the right powder. To get the best results, we recommend the use of PERSIL AUTOMATIC. Like all modern automatic machines the LAVAMAT works at peak efficiency with a low lather product. PERSIL AUTOMATIC'S balanced lather is specially designed to complement the cleaning action of the machine. Do use enough powder. Follow the manufacturer's recommended dosage. Please bear in mind that the correct amount of powder depends on a number of factors — the hardness of the water, the size of the load and the amount of soiling of the laundry.

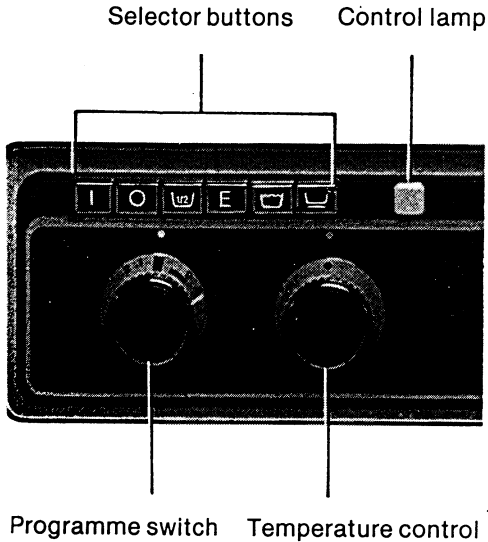
Please note: On 'Economy' programmes for small loads (using button ½). These do not require the full amount of powder. Use about 30 to 40 % less than for a normal programme with a full wash load.

Overfoaming can be caused by several things:

1. wrong type of powder
2. too much washing powder in conjunction with soft water
3. when washing very small loads.

To correct overfoaming (1) use a powder specially formulated for front loading automatics, (2) and (3) reduce the amount of washing powder used.

Controls



1) Programme switch

The programme switch has 8 settings for the basic programmes:

- 1 wash programme with prewash
- 2 wash programme without prewash
- 3 fabric softening — starching — spinning
- 4 pumping — spinning
- 5 woollens
- 6 short spin (automatic SL action)
- 7 soaking — extra prewash
- 8 pumping

With the exception of woollens, you can wash all fabrics with or without prewash, depending on their degree of soiling. Woollens are washed on a main wash only.

The programme selector should always be operated in clockwise direction.

2) Temperature control


With the temperature control is in position '0' you can actually wash cold (woollens for example). Between 30°C and 95°C the temperature is infinitely variable.

Please note the washing instructions on the labels inside your garments.

3) Selector buttons

Button  Switch on

Button  Switch off

When depressing button  you cancel the function of all other buttons.

Button 

Economy button for small loads

This economy button means that you need not to work with the same water, power and washing powder consumption as for full loads. Instead, you can make savings all round.

Effect: reduced water level during washing and rinsing. Depending on the actual programme, you save up to 45% of water, up to 45% power and up to 20% time. The amount of washing powder is also reduced.

Application: for small loads — about half a drum full (up to 2½ kg of whites and coloureds, up to 0.8 kg of care fabrics and synthetics).

Used with programmes 1, 2, 3.

Please note, that optimal economy and that the most favourable consumption of water, electricity and wash powder can only be achieved when the full capacity of the drum is used.

Button  **Energy saving**




By selecting this button in conjunction with programme 1 or 2 the water temperature is limited to 60°C and the length of the wash is extended to that

of a 95°C wash programme. This means you can expect the same results as the 95°C wash programme, providing the laundry is only slightly soiled. Furthermore, you save electricity and the wear and tear on your laundry is reduced.

Used with programmes 1, 2, 3.

Button  + 

Naturally, it is also possible to combine these two buttons when washing small loads of lightly soiled laundry. You save even more electricity, water and wash powder.

You cannot combine the energy saving button  with buttons  and .

Button 

High water level (rinse water stop)

Effect: The laundry is washed at a high water level, but with normal drum movement. The laundry is left floating in the last rinse water (rinse water stop).

Application: for synthetics or synthetic/cotton mixtures which require a high water level, e.g. all outer garments such as blouses, shirts, skirts, dresses, trousers etc. bearing the HLCC symbols:



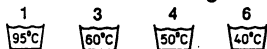
Used with programmes 1, 2 and 3.

Button 


Reduced drum movement

Effect: Depression of this button results in a reduced drum movement (reduced mechanics) coupled with a normal water level. In addition, the laundry if left in the last rinse water (rinse water stop).

Application: for baby clothes, cotton mixtures or synthetics e. g. sheets, underwear etc. which do not require a high water level bearing HLCC symbols:







Used with programmes 1, 2, 3, 7.

Buttons:  + 

High water level combined with reduced drum movement. For particularly delicate fabrics which require a high water level and a gentle wash action.

Please note:

In the case of programmes where the last rinsing water or the soak water is left in the machine (buttons , ,  + , as well as programmes 5 and 7) it is necessary to first pump off the water before the door is opened. This can be done in different ways, depending on the type of fabric involved. (See programme chart "Additional Programmes").



Wash programmes





















The basic programmes of your LAVAMAT can be adapted for practically all kinds of fabric by using the selector buttons and temperature controls. You can vary the programmes to suit your particular requirements.





















Your LAVAMAT is an advanced piece of technology. We have taken care of the future — this means any future developments by the textile industry can be catered for.

On page 10 and 11 is a table showing the major programmes. Please study this table and find out the many possibilities open to you before putting your washing machine into operation.

The water symbols used in the table are explained as follows: —

-  normal water level
-  high water level

Main programmes		Load size	Type of laundry
Cottons and linens with prewash	30 °C to 95 °C	5 kg max.	cotton, linen e.g. bed linen, table linen, underwear, shirts, towels, tea cloths, aprons etc.
Cottons and linens without prewash	30 °C to 95 °C	5 kg max.	  
E Whites with prewash	95 °C	5 kg max.	cotton, linen etc. lightly soiled
E Whites without prewash	95 °C	5 kg max.	  
Easy-care fabrics with prewash 	30 °C to 95 °C	1,5 kg max. 1,5 kg max.	special finish cotton, cotton mixtures, synthetics which do not require a high water level
Easy-care fabrics without prewash 	30 °C to 95 °C	1.5 kg max.	   
Easy-care fabrics with prewash 	30 °C to 60 °C	1,5 kg max.	nylon, polyester, cotton mixtures, cotton with special finishes; all outer garments which require a high water level
Easy-care fabrics without prewash 	30 ° to 60 °C	1,5 kg max.	  
Woolens 	cold to 30 °C	1.0 kg max.	fabrics of machine-washable wool or wool mixtures 
Additional Programmes			
Soft rinsing, starching, spinning		5 kg max.	cotton, linen
Soft rinsing, starching 		1.5 kg max.	easy-care fabrics, synthetics
Soaking — (extra) prewash		4.0 kg max.	cotton, linen, very heavily soiled
Pumping, spinning		5 kg max.	cotton, linen
Pumping, Variomatic spinning		1,5 kg max.	easy-care fabrics, synthetics, delicate cotton fabrics
Pumping — short spinning automatic SL action		1.0 kg max.	woollens, wool mixtures
Pumping			easy-care fabrics which must not be spun

Programme setting		Water level	Wash powder dispenser	Programme cycle
Programme switch	Button Temp. control			
1	30°C to 95°C		A B C	Prewash — main wash at normal water level cooling — 5 rinses — spinning
2	30°C to 95°C		B C	Main wash at normal water level — cooling — 5 rinses — spinning
1	 95°C		A B C	Prewash — main wash at normal water level 60°C — cooling — 5 rinses — spinning
2	 95°C		B C	Main wash at normal water level 60°C — cooling — 5 rinses — spinning
1	 30°C to 95°C		A B C	Prewash — main wash with reduced drum movement, normal water level — cooling — 4 rinses — the laundry is left in the last rinse water
2	 30°C to 95°C		B C	Main wash with reduced drum movement, normal water level — cooling — 4 rinses — the laundry is left in the last rinse water
1	 30°C to 60°C		A B C	Prewash — main wash at high water level — cooling — 4 rinses — the laundry is left floating in the last rinse water
2	 30°C to 60°C		B C	Main wash at high water level — cooling — 4 rinses — the laundry is left floating in the last rinse water
5	cold to 30°C		B C	Main wash at high water level and particularly gentle drum movement — 3 rinses — the laundry is left floating in the last rinse water
3			C	Rinsing and spinning
3			C	Rinsing — the laundry is left floating in the last rinse water
7	up to 40°C		A	Prewash at high water level — the laundry is left floating in the soap water
4				Spinning
4				Gentle spinning — (repeated short spins followed by loosening action)
6				Pumping — short spin
8				Pumping

Operating procedure

Washing

Plug the machine in or switch on (if permanently connected).

Hook the drain hose over sink edge.

Unless plumbed in, connect the supply hose to the tap.

Open the tap.

Open the door.

Load with dry laundry.

Close inner and outer doors.

Please ensure that both doors are closed properly as otherwise the programme cannot start. The outer door must engage.




Pull out the drawer type washing powder dispenser.

Add washing powder.

Push the dispenser back in.

Select the required temperature.

Rotating the programme selector in clockwise direction, set it to the required position.

Press buttons as necessary ( ,  ,  or E).

Press button  .

The programme starts.

The left control lamp lights up.

The programme selector begins to rotate. It stops during heating-up until the required temperature is reached.

Opening of the outer door during operation will immediately interrupt the programme.

It is not possible to open the door during spinning (safety feature).

Please remember that the glass of the door gets hot during washing (do not touch). The door features a safety lock and cannot be opened during a programme cycle.

On completion of the programme the machine switches off automatically

and the programme selector remains in the relevant cut-off position (one of the breaks in the cycle indicator band).

Press button  .

The control light goes out.

Return the temperature control to "0".

If the programme ends with the laundry in the last rinse water, remember to pump off the water before opening the door.

Open the door (on programmes with spinning cycle this is not possible until approx. 1 minute after completion of the programme — safety feature.)

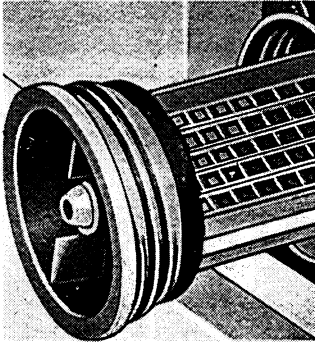
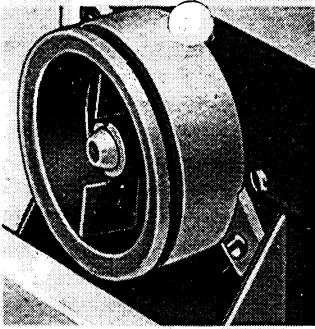
Remove the laundry.

If you have nothing else to wash, close the tap, pull the plug out of the socket or switch off.

Maintenance

When you have done all your washing, close the tap and pull the plug out of the socket or switch off the main switch.

Leave the door open for a short while to allow the machine to dry out. Remove any washing powder left in the dispenser. To do this, hold the dispenser with both hands, lift and pull out completely, giving it a short sharp pull.



What is important is that you regularly clean the drain filter.

To do this, place a flat dish on the floor below the filter outlet bottom left. Next fold down the lower front panel (where the machine has been built in, you should use the plastic hook provided for the purpose) and give the filter cover about a half a turn in a counter-clockwise direction. The water can now drain off. Unscrew the filter completely and clean it. When refitting the filter please ensure that it is inserted correctly in its guides and securely tightened.

Occasionally you should also clean the filter in the water inlet hose.

What may look like rust stains on drum or tub is due to ferrous foreign bodies introduced with the laundry or the water.

Remove such stains with a stainless steel cleaning agent. Do not use chlorous or ferrous scouring powders. Never use acids, chloride or bleach in the machine.

Should your machine show grey deposits of lime, please do not try to remove them by unsuitable means, but contact your AEG Service Department instead.

If there is a danger of frost, empty the machine beforehand of all water by opening the drain filter. Unscrew the supply hose and let this drain as well.

What can be the cause when ...

Non-functioning of your automatic washing machine is mostly due to the following which you can rectify yourself.

The programme does not start.

- Has the machine been plugged in or switched on?
- Are the fuses in order?
- Have the doors of the machine been closed properly?
- Is button depressed?

Too little or no water is coming in.

- Has the tap been opened?
- Has the washing powder dispenser been fully pushed home?
- Is the filter in the water supply line blocked?
- It should be cleaned from time to time.
- Is the supply hose kinked?
- Is the water pressure too low?

The water is immediately running off again through the drain hose.

Please note that the discharge end of the drain hose must not be immersed in the pumped-off water (siphon action).

The programme switch stops during the programme cycle.

Your fully automatic machine has been fitted with the Thermo-Chron control system. This means that the control knob stops during prewash and main wash until the required temperature is reached.

The washing powder foams excessively.

Too much washing powder or the wrong powder has been used. Omit the prewash from your next programme or reduce the amount of washing powder used. Use a low lather powder.

The programme (white or coloureds) has been completed without spinning.

The thermal protection device of the motor has tripped. Possible causes: blocked drain filter, kinked drain hose. The spinning cycle will automatically come on again after a certain period has elapsed (up to an hour).

The door cannot be opened immediately on completion of the programme cycle.

Please wait until the release time of the door locking mechanism has elapsed (about 1 minute).

Should you be unable to locate the cause of a problem in § of the above check list, then please contact your AEG Service Department. To assist our service staff, please quote the E-number of your machine which you find on the inside front cover of this booklet or on the rating plate of your machine.

If you call a service engineer in connection with one of the aforementioned problems, please note that the cost involved will have to be passed on even during the warranty period.

A more comprehensive guarantee is offered by our AEG Service Club. For a modest annual premium you can sign a service agreement with our Technical Service to cover your machine.

Subject to change without notice
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AEG