



premium performance powerful

A9500*p*



*Because
we believe*

itema

A9500*p*





A9500p Airjet Weaving Machine

Born to run **fast**, A9500p comes fully loaded with Itema's premium advanced features and sets a new benchmark for **speed** in the weaving mills.

Not only will the A9500p set you apart from your competitors by giving you the edge with faster and **high-tech** weaving mill operation, it will also help you **save money** by significantly reducing your costs. Cutting the power consumption by as much as 30% compared to previous models is now possible, due to a combination of features specially designed with the aim of providing you the most value.

The **saving** is guaranteed by the **iREED**, the new reed tunnel shape and new position of the relay nozzles which optimize the air flow in the reed channel for a higher efficiency weft insertion. The saving is also due to a reduced air pressure and to the **single hole relay nozzles**, which, at the same time, greatly reduces the need for maintenance of your Itema airjet weaving machine.

The A9500p is standard equipped with **Real Time Control (RTC)**, the patented system to reduce the air consumption optimizing the blowing time of the relay nozzles and the **Digital Air Metering** that gives you the real time access to air consumption data. Other premium features included are the **automatic nozzles tank pressure** setting on the console, and, last, but not least, the **Itema Productivity Optimization System (iPOS)**—the patented software to increase the productivity of the machine allowing you to weave more fabric.

Cost saving and superior fabric quality are the keywords of a brand-new innovation available on the Itema A9500p: **the double tandem nozzles**.

The double tandem nozzles guarantee a perfect distribution of the pushing force on the weft using lower air pressure, thus leading to multiple benefits: reduced stress on the yarn allowing top fabric quality and the possibility to weave with lower pressure ensuring energy saving.



Weaving has never been so easy, and now with the peace of mind of our QRP seal of Quality, Reliability and Performance. Itema A9500p proudly carries the prestigious QRP seal.

We strongly believe in our weaving machines, therefore, every QRP-certified Itema machine is guaranteed for a period of two years.

Itema is the only producer in the world to provide a 24 months extended warranty.

Our unyielding commitment to R&D, to innovation, and to our Customers inspires us to excel in our extensive product testing.

We are tireless in our search for ways to enable our Customers to meet and exceed their stringent expectations of product performance and solid investment return.

Look for the QRP mark—our testament to how we design, develop, lean manufacture and deliver our product, our unwavering confidence in our product and our guarantee to our Customers.

A9500^p

Maximum Performance

- The new benchmark for speed and high performance
- Sturdy structure for superior performances

Reduced Consumption

- iREED®—Itrema patented reed with new tunnel shape and new relay nozzles position consistently reducing the air consumption
- RTC—Real Time Control optimizing the air blowing time for weft insertion optimization
- Digital Air Consumption Metering to easily access in real time the air consumption data
- Double Tandem Nozzles for reduced stress on the yarn and lower air pressure requirement

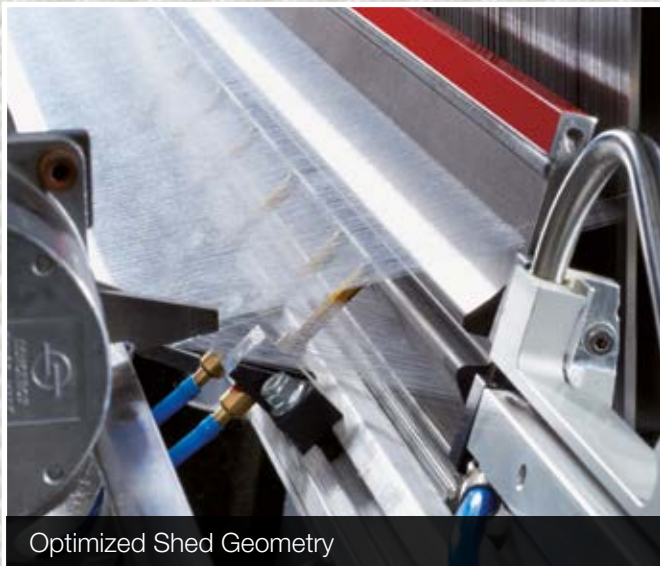
Superior Fabric Quality

- Optimized shed geometry for superior weave, fabric appearance and hand-feel
- Cam sley drive for increased versatility and best performances in every condition



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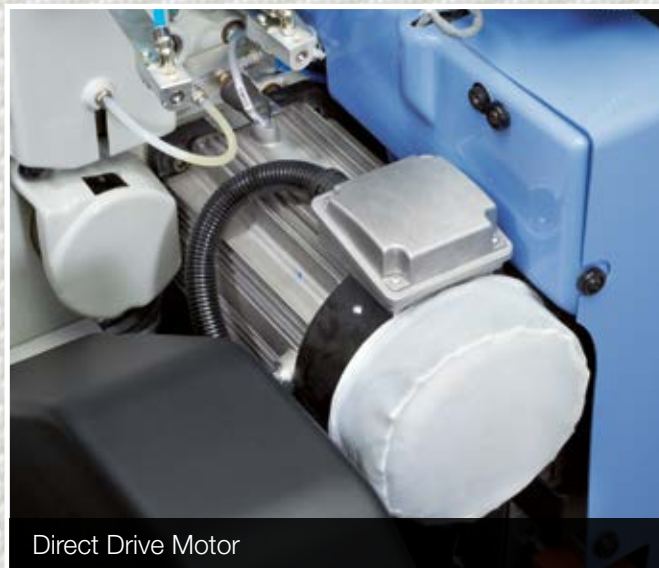
Optimized Shed Geometry



Reliable Beat-Up Motion



Effective Centralized Lubrication



Direct Drive Motor

The new benchmark for speed and maximum machine performances

Unique in the market, the IteMa A9500p has been designed to offer our Customers an avant-garde weaving machine, combining the mass productivity commonly recognized as a primary advantage of airjet weaving technology with advanced features guaranteeing unrivalled speed and performances.

Optimized Shed Geometry

The A9500p offers a unique shed geometry. Referencing extensive in-plant testing and R&D work at IteMa, our A9500p shed geometry provides the perfect combination of a long dwell sley movement and an optimized position of the heald frames, to deliver the unsurpassed control of the fabric appearance while providing economic air consumption.

Positioning of the first frame closer to the beating motion allows a shorter heald frame stroke providing lower stress on the warp, thus reducing stops and leading to an increased efficiency. At the same time, it allows higher speeds and longer life cycles for heddles and heald frames.

Reliable Beat-Up Motion

The beating motion of the A9500p consists in double conjugated cams placed within the side frames: a solution that sets the A9500p as the new benchmark

for sturdiness, also due to the forced lubrication system without oil bath.

The longer dwell of the sley cam profile ensures an increased weft insertion time, thus leading to a more gentle movement during weft insertion and to reduced air consumption, providing an improved versatility and the widest range of fabrics and yarns to be woven with the airjet weaving technology.

The higher beat-up force enables the A9500p to reach the top performances in its technology field, especially when it comes to weave difficult and complex styles, such as heavy fabrics.

Effective Centralized Lubrication

Machine components are lubricated by the Centralized Lubrication System which provides oil from a main reservoir. Sley drive and gear lubrication is forced by means of a motorized pump.

The system lubricates directly all the moving parts assuring an efficient lubrication program, thus reducing related maintenance costs.

Avoiding an oil bath system for moving parts and gears, the A9500p lubrication system promotes lower oil temperatures, therefore extending the life cycle of mechanical components.

Reliability is further ensured by the NCP Electronic System, which allows a constant control of the system pressure and temperature.

Direct Drive Motor

Simple, reliable, maintenance free, the Direct Drive Motor is a real IteMa added value. The main unit is based on a brushless motor technology actuated by an electronic drive. Machine speed along with brake and start parameters can be easily set via the touch-screen interface, for a perfect control of all the running criteria, this representing an essential tool to prevent and solve start and stop mark issues and ensuring superior fabric quality.

Gearing and mechanical parts have been minimized, leading to reduced power consumption, spare parts and maintenance.

Easy on Style Change

A9500p has been designed to reduce the downtime required for style changes by reducing the setting time.

Quick warp beam release and the redesigned heald frame connection DRC10 are standard on the machine, ensuring a substantial operational time reduction for the style change.

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RTC and Air Metering



Automatic Setting of the Relay Nozzle Pressure



iREED and Single Hole Relay Nozzles



Double Tandem Nozzles:
Efficiency and Superior Fabric Quality

Innovative, technologically advanced Itema patented solutions

RTC and Air Metering

The RTC (Real Time Control) and the Air Metering are standard on A9500^p. The RTC is a patented software function that controls and automatically minimizes the relay nozzles blowing time by automatically setting the timing of each valve for the latest opening and the earliest closing.

The RTC brings air consumption saving and allows to overrule inefficient settings done by the technicians. Thanks to the Air Consumption Metering the air consumption and the efficiency of the RTC are available on the user interface and air leak testing is possible.

Automatic Setting of the Relay Nozzles Pressure

The pressure on the relay nozzles tank can be set directly on the console, allowing the system to automatically control the pressure of the relay nozzles tank. The setting operations are easier and, furthermore, it is possible to store the pressure value in the style setting data. Only qualified personnel will have access to the pressure setting, avoiding extra air consumption due to incorrect settings, leading to energy saving.

PPC – Pneumatic Pressure Control

The PPC—Pneumatic Pressure Control system, has been developed by Itema to provide a superior control of the weft insertion.

With the Itema PPC, the pressure is perfectly driven in the main and tandem nozzles, guaranteeing a more gentle and constantly controlled air blowing.

The PPC, an Itema patented solution, combines effectiveness and reliability. The simple design, featuring high capacity tank for each weft insertion channel and high-precision sensors, ensures maximum textile efficiency during the weft insertion and reduced maintenance costs.

Innovative and Effective Features

Itema developed best-in-class technological advancements to combine textile superiority with consumption reduction, to meet even the most demanding weavers requirements. The A9500^p can be equipped with innovative and effective features, available on optional, guaranteeing unparalleled air consumption savings, mass productivity and superior textile quality:

- **iREED and Single Hole Relay Nozzles**

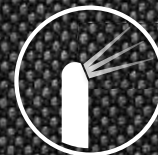
The new reed tunnel shape in combination with the new single hole relay nozzles optimize the air flow in the reed channel for a more efficient weft insertion. The air consumption is lower up to 23% and the air pressure level required is reduced. The single hole relay nozzles, by far the best solution for energy cost saving, guarantee lower maintenance needs.

- **Double Tandem Nozzles: Efficiency and Superior Fabric Quality**

The Itema newly designed double tandem nozzles is the perfect solution to couple high textile performances and reduced air consumption. In fact, the two nozzles ensure an ideal distribution of the pushing force on the weft using lower air pressure.

This effective solution brings two substantial benefits for the weaver: a superior fabric quality—due to reduced stress on the weft which ensures a lower stop rate—and a significant cost saving—thanks to the possibility to weave with lower pressure, resulting in an immediate reduction in air and energy consumption for the compressor's operations, due to less compressed air required.

A9500^p



The Effective ELD—Electronic Leno Device



Many Valuable Selvedge Formation Options



BLC—The Useful Brush Lycra Clamp



iPOS

The perfect match between quality and productivity

The Effective ELD— Electronic Leno Device

The ELD—Electronic Leno Device, patented by Itema, is the perfect solution for leno binding on high speed machines.

Simple, reliable and low-maintenance, with its innovative design, the device is self-cleaning and with no need to wind the leno spools, providing a perfect leno binding, whilst reducing significantly operational costs.

Many Valuable Selvage Formation Options

A number of options are available for different selvage formations. In addition to standard cutters, melting devices and air tuckers are also available. Moreover, the innovative ISD—Independent Selvage Device, allows the use of different patterns to provide maximum flexibility for unsurpassed selvage quality.

For cut reed, both side and center tuckers are provided. Simple and reliable, all the selvage formation options are designed to function well even at the highest machine running speeds.

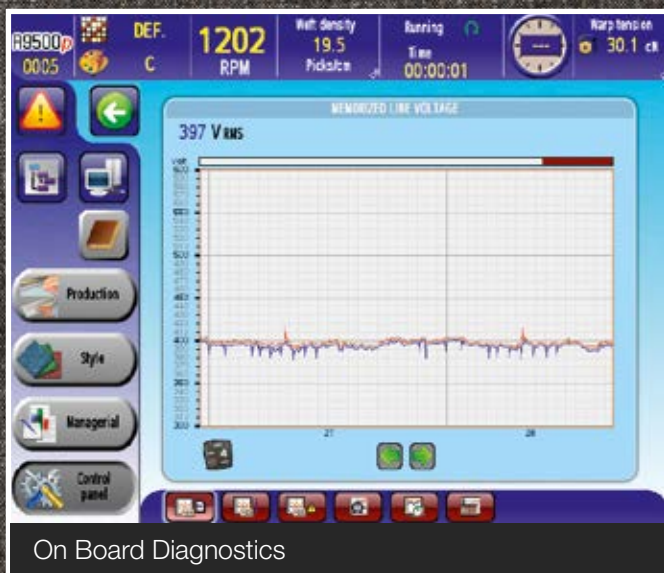
BLC—The Useful Brush Lycra Clamp

The increasingly popular trend to weave stretch and super stretch fabrics with dedicated weft yarns inspired Itema to create and patent the innovative BLC—Brush Lycra Clamp—nozzle to weave elastic weft yarns. Available on request, the BLC nozzle holds the weft in place without movable parts to ensure superior fabric quality and reliability.

iPOS

Itema Production Optimization System iPOS—is a patented software designed to increase the productivity of the machine. The system increases machine productivity by monitoring machine speed and stop level. By simply establishing stop and efficiency parameters, the iPOS carefully monitors the machine data over a given period of time. If the machine falls outside the given guidelines, the system automatically adjusts the machine's speed to optimize productivity, increasing production and improving fabric quality.

A9500^p



The whole machine at your fingertips

Full Color Touch Screen

The A9500p arrives with the latest in technology offering a new electronic platform—the NCP—where the full color touch-screen acts as the user interface. The intuitive software expertly and easily guides the dialogue with weavers and technicians. The machine interactive interface ensures a user-friendly experience and fast access to the information desired.

State of the Art Technology

The machine utilizes “State of the Art” Microprocessor Technology with a PC Board running Windows CE to drive the user interface. Ethernet connectivity, in combination with one or more of Itema’s interactive options, allows the A9500p to quickly engage both the mill network and Internet.

With a standard USB memory stick, saving, changing or transferring machine settings has never been easier.

On Board Diagnostics

At Itema, we recognize that time is money. This is why we equipped the A9500p with our best diagnostic software ever!

By simply accessing the touch screen, a functionality test can be selected and run for any device or application on the machine—even the circuit boards. Our engineers specifically designed this feature as straight-forward, to be utilized without any additional tools or a specific educational background in electronics. Straight-forward and intuitive, the diagnostic software can be run directly by the people on the weaving mill floor who work daily on the machine.

LoomBrowser: a Direct Link to the Machine

Just install the Itema LoomBrowser on the PC of your choice to monitor efficiency, change and download machine settings, as well as create or download new weft and dobby patterns. Merely click on the machine of your choice within the machine layout to gain access to all machine information as if you were standing next to the weaving machine itself.

ILMS: a Revolutionary Way to Access The Machine

The very latest innovation from Itema is our Itema Loom Management System (ILMS), the easy remote access to machine data via computer and mobile devices, such as tablets and smartphones.

Itema’s innovative decision-enabling suite is made possible thanks to an embedded SIM card connection via a web server.

It is now possible for you to see in real time the actual status of your machines, the textile data and settings, as well as to view and download machine statistics on an Excel spreadsheet, giving you essential information about the operation of your weaving machine.

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Nominal Width (mm)

- 1900, 2100, 2200, 2300, 2600, 2800, 3000, 3200, 3400, 3600

Sley Movement

- Cam drive motion

Number of Colors

- 2, 4, 6

Shedding Machine

- Positive cam motion up to 8 levers without/with levelling device
- Positive cam motion up to 10 levers with levelling device
- Rotary dobby up to 16 levers
- Preparation for Motorized Jacquard

Pneumatic System

- PPC: Pneumatic Pressure Control
- Machine standard equipped with RTC: Real Time Control
- Machine standard equipped with Air Metering

Relay Nozzles Pressure Setting

- Automatic pressure regulation setting the value by console
- Single air tank

Relay Nozzle

- Single and multi holes
- 2 nozzles per valve (narrow machines) / 4 nozzles per valve

Nozzles

- Fixed and movable main nozzle
- *POLITO nozzles for filament yarn**
- *BLC Brush Lycra Clamp for elastic yarn**
- *Double Tandem Nozzles**

Main Motor

- Direct drive with brushless motor and driver
- Automatic pick-finding motion

Lubrication

- Forced lubrication with oil pump

Beam

- Single or twin 800/1000/1100 mm
- Upper beam up to 1000 mm
- Width reduction up to 800 mm

Beam Connection

- SBM: Screw Beam Mounting
- *PBC: Practical Beam Connection**

Warp Let-Off

- Electronically warp let-off with brushless motor and electronic control (EWC)

Whip Roller

- Positive easing motion / Elastic
- *Double rotating rollers**

Press Roller

- Single rollers
- *Double rollers**

Fabric Take-up

- Electronically controlled take-up motion with brushless motor and electronic control (ETD)
- Weft density from 10 to 150 picks/cm
- *Weft density from 3 to 50 picks/cm**

Stop Mark Prevention

- Selectable main motor parameters
- Selectable start/stop angle
- DFFC: dynamic fabric fell control

A9500p at a glance

Selvedge

- Leno with motorized ELD
- *Leno with motorized RLD**
- *Lateral and central tuckers for cut reed version**
- *ISD: independent selvage device, motorized, for lateral and central selvage**
- *Central cutters for multi panel weaving**
- *Lateral and central tuckers for full width reed version**
- *Thermo cutters for welded selvages**

Machine Control

- Color touch console
- USB memory stick

iPOS

- Standard software to optimize machine productivity

FAR

- *Option**

Connectivity

- *Monodirectional connection**
- *Bidirectional connection**
- *ILMS**

Heald Frames

- Aluminum profile 140*9 or 155*9
- Hybrid with carbon reinforcement

Warp Stop Motion

- Itema A36C, A68C

Reed

- Standard profiled reed
- *iREED®**

Feeders

- Prefeeders with funnel and brake and separated windings
- *Multiple weft insertion**



* on request

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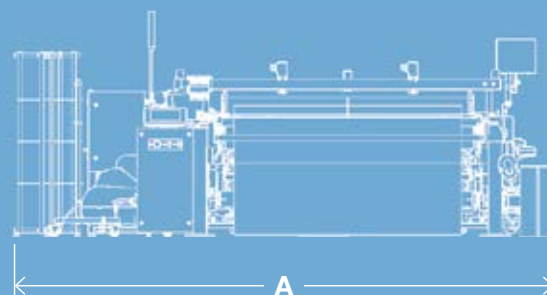


Weaving width

1900 mm
2100 mm
2200 mm
2300 mm
2600 mm
2800 mm
3000 mm
3200 mm
3400 mm
3600 mm

Machine width (A)*

4560 mm
4760 mm
4860 mm
4960 mm
5260 mm
5460 mm
5660 mm
5860 mm
6060 mm
6260 mm



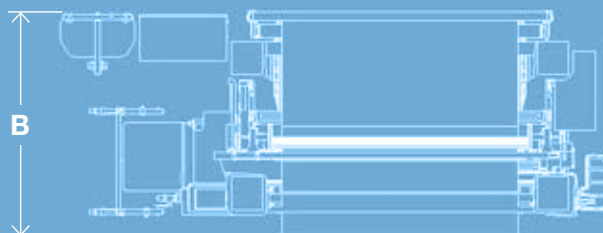
Overall depth (B)

with 800 mm warp beam
with 1000 mm warp beam
with 1100 mm warp beam

1767 mm (**)
1979 mm (**)
2029 mm (**)

(*) dimensions (A) may change depending on the type of creel used

(**) foot boards excluded



A9500p

B

190

M

C

2

T

S08

Raw Material

- B Cotton
- S Filament

Nominal Machine Width (cm)

190, 210, 220, 230, 260, 280, 300, 320, 340, 360

Sley Drive

- M Cam

Reed Arrangement

- C Cut Reed
- F Full Width Reed

Weft Colors

2, 4, 6

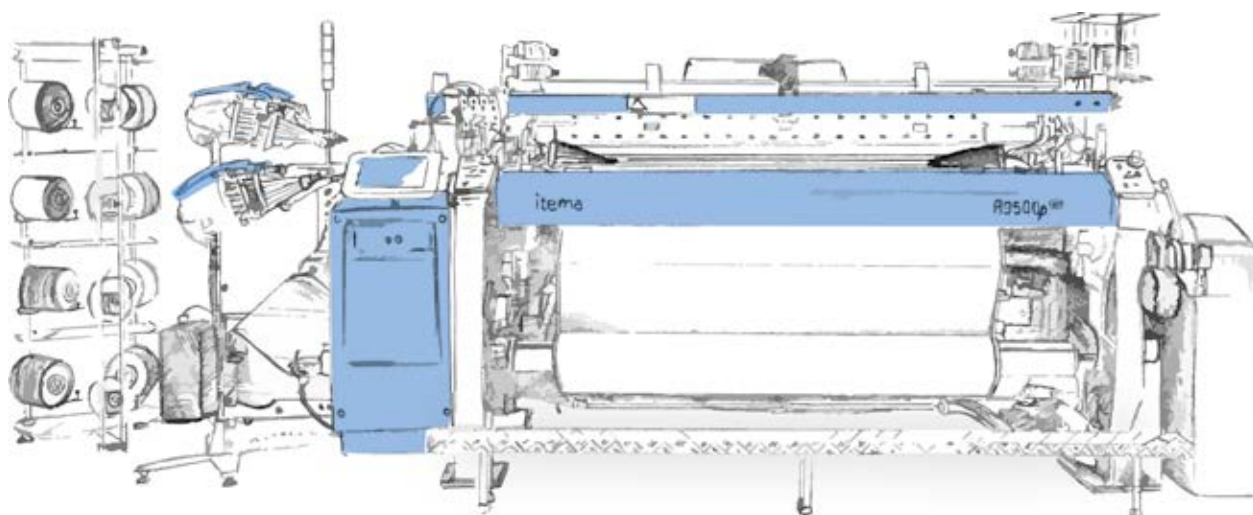
Shedding

- T Tappet Motion
- D Dobby
- J Preparation for Motorized Jacquard

Beam Arrangement

- S08 Single Beam 800 mm
- S10 Single Beam 1000 mm
- S11 Single Beam 1100 mm
- D08 Twin Beam 800 mm
- D10 Twin Beam 1000 mm
- D11 Twin Beam 1100 mm

Another perspective



A9500_p



2 Year Warranty
on our **QRP** certified machines



High-speed and technological advancements
to guarantee top fabric quality and
unrivalled machine performance.



AIRJET



Itema is a leading global provider of advanced weaving solutions, including best-in-class weaving machines, spare parts and integrated services.

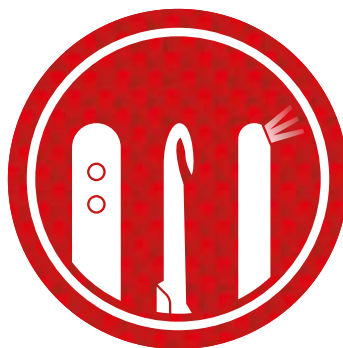
Our Company is the only manufacturer in the world to provide the top three weft insertion technologies: rapier, airjet and projectile, with an ample product portfolio and a commitment to continuous innovation and technological advancement of our weaving machines.

For more information about Itema, to contact our Sales Team in your country, to learn more about our weaving machines or to order spare parts, please visit our website **www.itemagroup.com**.

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3 TECHNOLOGIES



1 BRAND



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