

HIKARI® Innovative Lockstitch Machines

Feel the innovation and efficiency

# H8800D-7C-3/AK

## Standard Innovative Lockstitch Machine

Efficient and Ergonomic



### FEATURES WHAT MAKES HIKARI STANDARD INNOVATIVE LOCKSTITCH MACHINE UNIQUE ON THE MARKET:

- Clip device, which is a new generation of thread wiper, to avoid the bird-nest during backstitching, and it is possible to use it during sewing with special coarse presser foots like compensating- and zipper foots.
- Maintenance free direct drive motor with built-in control box
- Built in the head LED light, for more precise work and better ergonomy



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HIKARI'S PATENTED CLIP DEVICE TO AVOID BIRDNEST AND THREADING



Conventional type wiper

Clip Device - which is a new generation of thread wiper, to avoid the bird-nest during backstitching, and threading



**Instead of the conventional type of thread wiper HIKARI redesigned the clip device, which does not leave thread tail during backstitch, and the threading can be avoided completely.** Besides this, it is possible to use it during sewing with special coarse presser feet like compensating- and zipper feet (In case if the operators wants to use the above mentioned presser feet, they have to switch of the conventional wiper, because it can not work with coarser presser feet.) **With the clip device the operator can use the backstitching all the time, threading does not needed either and this means 5- 8% of efficiency increase.**

BUILT - IN THE HEAD CONTROL BOX



The state of the development and the commitment of HIKARI can be seen here: currently on the world the HIKARI H9180N, the H8800D and the JUKI DDL8700A machines has built-in the head control box. In the next years the other manufacturers will follow us, because this construction offers less malfunction and lower maintenance time and cost for the users.

BUILT - IN THE HEAD LED LIGHT FOR MORE PRECISE WORK AND BETTER ERGONOMY



The LED light is built together with the reverse switch. It is integrated to the machine head for better clearance of the movements of the operator. The LED unit is equipped with 10 LEDs, and it is adjustable in 5 levels to work easier with reflective materials.

AUTOMATIC FOOT LIFTER FOR HIGHER EFFICIENCY



The automatic foot lifter gives an outstanding opportunity to speed up the production, and apply less load on the operator during the working shifts. The machine is equipped with one pedal setup, and this means that the machine operation, the automatic foot lift, and the thread trimmer is operated by the same pedal.



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The power saving technology of HIKARI

In the last few years, there was an exponential growth at the area of industrial sewing machines compared to the past 20 years.

In 2006 HIKARI made it's first direct drive single needle lockstitch machine the H8800A. Today the 4th generation the H8800D is on sale, with built in the head control box.

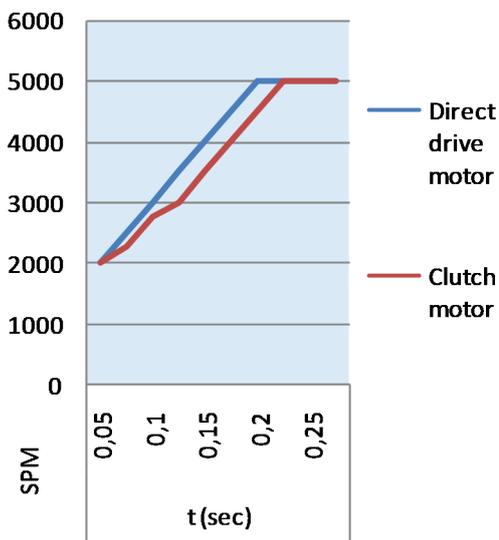
In 2007, the world first direct drive overlock had been released, and now the 3rd generation is on sale, which is the HX6800TA

HIKARI ® is the leading sewing machine manufacturer in the field of innovation with a biggest experience in direct drive technology, which makes bigger profit in your production site.

The Engineers of HIKARI developed their patented ideas in co-operation with one of the Universities in Shanghai.

PRODUCTIVITY GROWTH

Acceleration of motors



The direct drive sewing machines does not have transmission loss like the clutch motor machines. (The belt-drive sewing machine with servo motor has the same transmission loss as well. The increase of the production is about 14,6%. The belt-drive sewing machine sews 1000 meters. Under the same circumstances, the direct-drive sewing machine sews 1146 meters- in every shift.

With one investment, from the beginning, the direct drive motor equipped sewing machines produces extra profit!

REDUCED NEED FOR MAINTANANCE

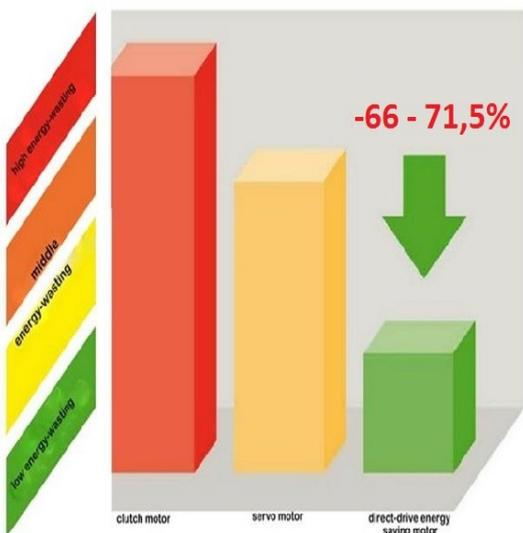
The direct drive motors does not require any maintenance. In Europe it's one of the major priorities, because savings on the operation and the maintenance costs gives higher extra profit, or free sources to distribute on the market.

REDUCED ENERGY CONSUMPTION

Compared to the clutch motors the direct-drive sewing machines saves up to 66 - 71,5% on electricity bills in every shift depending on the application.

REDUCED NOISE LEVEL

The main purpose is to improve the working conditions of the operators, to obtain a win-win situation. If the sewing machine "loads" less on the operator, they are more relaxed in the last 2-3 working hours, so the productivity's will not decrease as much as with a louder machine, and the produced waste will be less as well.



## HIKARI® Innovative Lockstitch Machines

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## What does it mean to use HIKARI machines in production?

Stay focused on the advantages offered by HIKARI:

1. It is possible to build a homogenous plant with HIKARI, because we can supply a wide variety of machines and special machines for the sewing room.
2. The strength of HIKARI is the strong development of the most applicable machines in the sewing room. Therefore, the biggest efficiency, the highest saving on electricity bills, and the lowest maintenance costs is provided in case of using the HIKARI machines:
  - Innovative Single Needle Lock Stitch Machines: H9180 series, H8800D series
  - Innovative Overlock Machines: HX6800TA/AK series

MODEL	H8800D-7C-3/AK	H8800D-7C-3/AK
Application	Light - medium weight materials	Medium - heavy weight materials
Max. Sewing speed	5000	4500
Max. Stitch length	4 mm	6 mm
Needle Bar Stroke	31	35
Needle Type	DPX1	DPX5
Presser Foot Height	6 -16 mm	
Lubrication	Full oil head	Full oil head
Rotary Hook	Normal hook ( Koban, Made in Japan)	Normal hook ( Koban, Made in Japan)
Width x height of the working area	297 *139 mm	
Trimmer and wiper device	Automated round knife, clip device	
Foot lift	Automated	
Machine head driving system	Fully computerized direct drive motor with built-in controller	
Light	10 LED built-in the head adjustable unit	
Power supply	Single phase 220V,550W	
Lubricant	High Speed spindle oil	

