

HIKARI® Innovative Lockstitch Machines

Feel the innovation and efficiency

# H8880-7C-2TC/AK

## Standard Innovative Lockstitch Machine With Edge Cutter



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

- Maintenance free direct drive motor for 14,6 % higher efficiency, and 66 - 71,5% less power consumption compared to clutch motor equipped machines
- Built in the head adjustable LED light, for more precise work and better ergonomy
- Thread trimmer with round knife, for higher flexibility of the trimming



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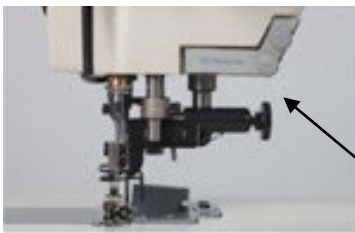
**BUILT IN EDGE CUTTER, WITH ON DEMAND ACTUATION**

The H8880-7C-2TC/AK is a standard single needle lockstitch machine equipped with a built-in edge cutter. The machine has full computer control system, where all the basic and advanced functions can be set, like straight line sewing, cycle sewing, backstitching.

It is possible to modify the cutting width according to the needs of the production. The standard cutting width is 5mm, but it is possible to modify it to 3,2mm, 4,8mm, and 6mm width as well.



The built-in edge cutter, is an on demand cutter, which is possible to switch on and off in case it is needed. If the cutter is switched off, the machine can be used as a regular single needle lockstitch machine.

**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.

**UPPER OR LOWER SUCTION FOR CLEANER WORKING ENVIRONMENT**

In case the edge cutter is working, the wasted material remains on the operation area, which supposed to be transferred manually by the operator to the waste bag. As an option the machine can be equipped with upper or lower suction, and with the help of these devices the waste material is transferred directly to the waste bag without the involvement of the operator. This results much higher efficiency, because the operator can sew with the machine, instead of transferring the waste to the bag as well, and like this a huge amount of efficiency increase can be reported during production.



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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.

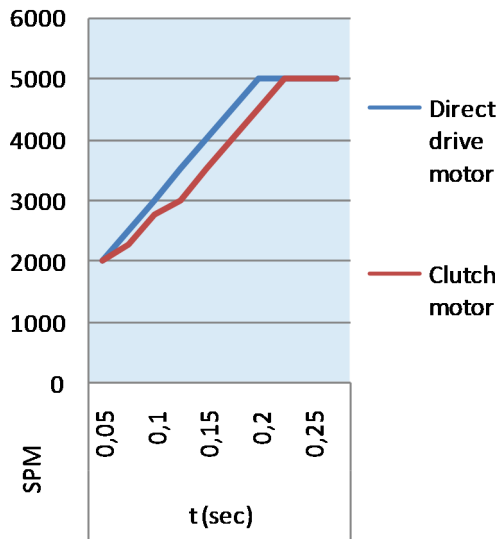
In 2006 HIKARI made it's first direct drive single needle lockstitch machine the H8800A. Today the 4th generation the H8800D is on sale, with built in the head control box.

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.

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

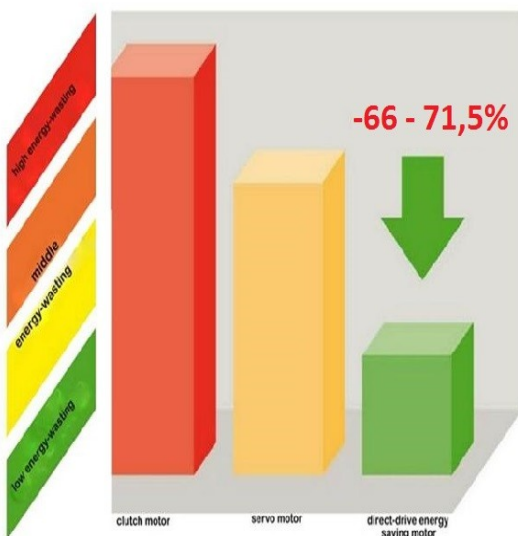
The direct drive motors does not require any maintenance. In Europe it's one of the major priorities, because savings on the operation and the maintenance costs gives higher extra profit, or free sources to distribute on the market.

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.



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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	H8880-7C-2/AK	H8880-7C-2TC/AK
Application	Medium - heavy weight materials	Medium - heavy weight materials
Max. sewing speed	4000	4000
Max. stitch length	4 mm	4 mm
Needle bar stroke	31	31
Needle type	DPX1	DPX1
Presser foot height	5,5 – 13 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	263 *132 mm	
Fabric cutter	Straight knife, standard width 5mm, 3.2/4.8/6.4 mm edge	
Trimmer and wiper device	Automated round knife	
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	
Options	-	Upper (TC) or lower (BC) suction with comp. air
Power supply	Single phase 220V,550W	
Lubricant	High Speed spindle oil	

