

HIKARI® Innovative Direct Drive Overlocks

Feel the innovation and efficiency

**HX6800T-UT2/AK****Innovative Computerized Direct Drive Overlock With Built-in Puller, Automatic Chain Trimmer And Foot Lift**

The HIKARI innovative computerized direct drive overlock machine is optimized for the European requirements: small and middle sized orders, hard to sew fabrics, and high quality production.



**OUTSTANDING TECHNOLOGICAL FLEXIBILITY MAKES HIKARI INNOVATIVE OVERLOCK MACHINE UNIQUE IN THE MARKET!**



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**BUILT - IN THE HEAD PULLER FOR BETTER FABRIC TRANSPORT**

With the built in puller it is available to set up the feed of the fabrics with better accuracy. It is possible to adjust electronically the timing and the duration of the puller operations, at the beginning and at the end of the sew process, and mechanically the push force and the speed of the puller compared to the differential feed device. This system even allows to stretch the fabrics in case it is needed.

**ON DEMAND SENSOR OPERATED AUTOMATIC FOOT LIFT, CHAIN CUTTER AND ECO SUCTION FOR HIGHER EFFICIENCY, LESS WORKLOAD AND CLEANER ENVIRONMENT**

The machine works with manual, semi-automatic and automatic mode with the help of the full computer control, and the two sensors installed on the needle plate. These sensors controls on demand, the automatic foot lift, the chain cutter and the complete eco suction system during operation. Due to the setup ability of the timing and the duration of the above mentioned automations, a significant increase can be measured on the efficiency of the production. As far as the suction works just when it is needed (only at the beginning and end of the seam) it makes less load on the operator as well. The machine collects the waste to an „easy to empty” waste bag, and this reduces the dust in the sewing room

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

The LED light is built over the working area, together with the manual chain cutter switch. It is integrated to the machine head for better clearance of the movements of the operator. The LED unit is equipped with 9 LEDs, and it is adjustable in 9 levels to work easier with reflective materials.

**FULL COMPUTERIZED USER – FRIENDLY CONTROL PANEL**

Full computerized, easy to use, user friendly control panel. The functions are grouped, and distributed according to the needs of the operator. The position of the functions are clearly separated, which helps the operator to use it faster to save time, and increase the efficiency. The functions can be set up with the help of the LCD screen.

**SAFETY FEATURES ACCORDING TO THE HIGHEST EUROPEAN STANDARDS**

The machine is designed according to the highest European safety standards. The presser foot is equipped with finger protection, and unintentional operation during open state. The door of the working area is equipped with safety switches, to avoid operation during maintenance. The electronic devices, and the complete machine is constructed according to the CE regulations.



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The power saving technology of HIKARI

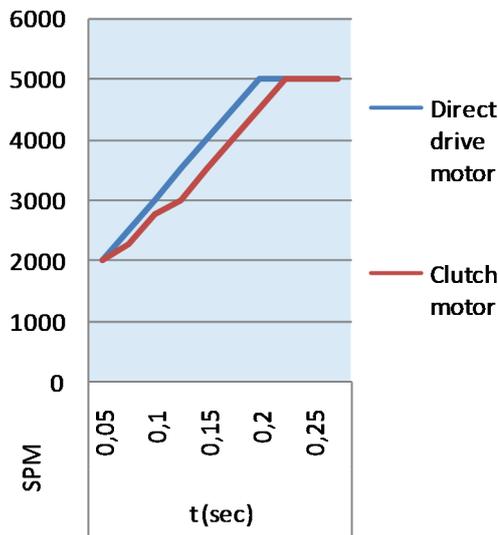
COMPUTERIZED DIRECT - DRIVE MOTOR



HIKARI designed, and patented the world's first direct drive overlock in 2007. The use of the maintenance free direct drive motor offers 14,6 % higher efficiency, and 66 - 71,5% less power consumption compared to clutch motor equipped machines. 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.

PRODUCTIVITY AND EFFICIENCY 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

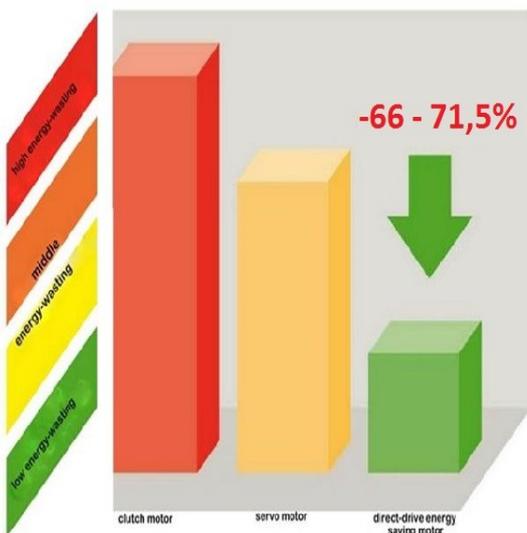
The direct drive motors does not require any maintenance. In Europe it's one of the major priorities, because savings on the operation and the maintenance costs gives higher extra profit, or free sources to distribute on the market.

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.



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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

HOW TO ORDER THE MACHINE

Machine type				Drive mode		Type									
Model type	Modell	Stitch type	Motor mode			Usage		Materials application		Fabric type		Connection equipment		Option 1.	Option 2.
HX	68	XX	XX			X		X		X		XXX		XX	XX
Description	International stitch code	Code	Code	Description		Code	Description	Code	Description	Code	Description	Code	Description	Automatic presser foot lifter	Built in puller
3 thread classic overlock stitch	504	04	X	Belt drive motor		0	General sewing	2	Light-weight materials	X	Standard fabric	UTC	Lower air suction, with pneumatic guillotine type cutter	AK	PP
4 thread classic overlock stitch	514	14	T	Direct Drive motor.		3	Handkerchief sewing	3	Light-weight materials to medium-weight materials	B	Wide edge seam	UTD	Lower air suction, with electric guillotine type cutter		
5 thread overlock stitch	516	16	TA	Direct Drive motor with optional puller		5	Sewing cloth	4	Heavy-weight materials to super heavy-weight materials	N	Non-woven fabric	KSC	Lower air suction, with pneumatic side cutter		
6 thread overlock stitch: 2 thread chainstitch with safety stitch and 4 thread classic overlock stitch	401+514	18			8	Back latching	T			Fall	KHC	Lower air suction, with pneumatic flat cutter			
										Q	Ribbon folder	C	Pneumatic operated ionjunctions		
												D	Electric operated fuctions		

