

GOAL
SINGLE CYLINDER
GK523H



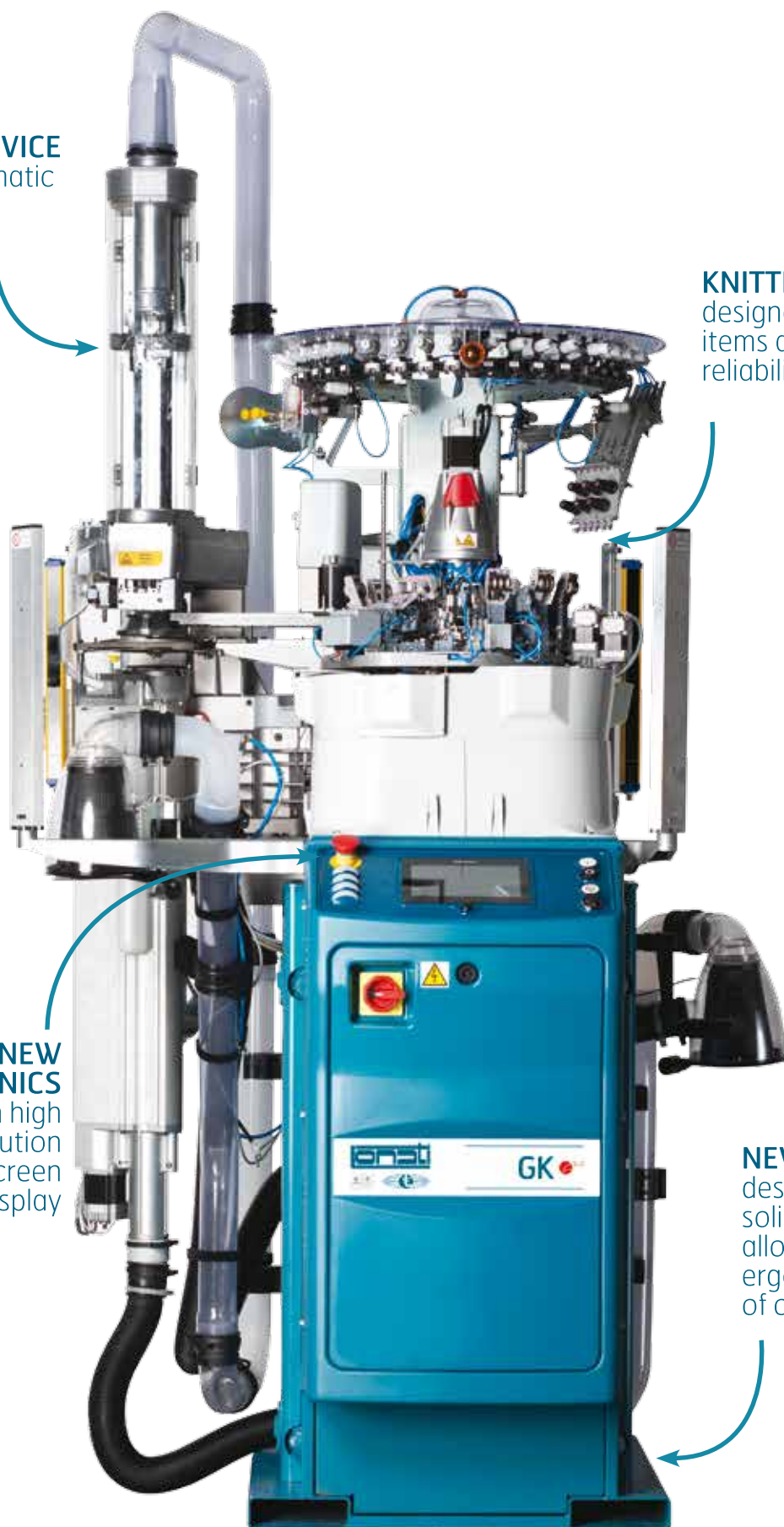
SINGLE CYLINDER GK523H

SBYS DEVICE
for automatic
linking

KNITTING HEAD
designed to knit high quality
items and ensure constant
reliability over time.

**NEW
ELECTRONICS**
with high
resolution
touch screen
display

NEW BASE
designed to increase
solidity and rigidity,
allows a more
ergonomic assembling
of components





All images in this brochure are indicative and not binding.

SINGLE CYLINDER GK523H

A new machine for 2 feeds items with 3 colors pattern. Automatic linking with SBYS device, performing a “real linking” technique. Advantages are remarkable: superior quality sock finishing, more comfort and resistance compared to socks made using conventional systems. Latest generation electronics provides control and execution of all machine commands. Drawings and articles are created and managed by Digraph 3 Plus software package, which contains a full collection of styles the operator can combine in different ways to obtain the desired results.

- 3 colors pattern with 2 feeds, plain knit
- Reciprocated heel and toe in different sizes and 3D effects
- 36 yarn fingers
- Rising dial and finger plate with stepping motor
- 9 electronic actuators for needle selection
- Brushless coaxial main motor

MACHINE DIMENSIONS



Length max cm 127.3
Depth max cm 114.8
Height max cm 228

MACHINE WEIGHT



ca. 320 Kg

SINGLE CYLINDER

GK523H

TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GK523H	4"	from 8 1/2 to 19	0.85 - 0.70 - 0.60 mm

Above data are indicative and not binding.

STANDARD DEVICES

- Stepper motor electric dial with adjustable height
- Motorized stitch cams
- Motorized sinker cap for sinker pressure and angular position
- High resolution touch screen display
- Yarn sliding sensors guard cleaning device
- Heel yarn recover device with four positions
- 16 color yarn fingers
- 2 stepper motor controlled adjustable suction valves
- 9 yarn fingers on both stitch feed
- Yarn creel
- USB port
- Circular yarn cutter with mechanical stop
- 2 yarn finger for laid-in elastic

MAIN OPTIONAL DEVICES

- LGL Eco Power or Eco Compact yarn storage feeder
- Dinema YoYo positive yarn feeders
- Elastic yarn positive feeders, for compression socks
- Dinema Plus elastane positive feeders
- Antitwist device
- Footlet device
- Inside-out sock ejection device
- Elastane extra pliers device, feed 1 and 2
- Recover yarn device, 6 positions
- Yarn trimming circular cutter with adjustable speed
- Knitting device inspection lamp
- Preparation for storage feeder "Unifeeder 2" by BTR
- Ethernet board for connection to Dinema Nautilus data collector system
- Yarn sliding control sensors, Dinema ISPY
- Pneumatic yarn tensioner for covered elastane
- Suction fan

POSSIBLE KNITTING

The standard machine can perform the following knittings

- Mesh, tuck and float stitch, jacquard, 2 feeds, plain knit
- 3 colors pattern plus ground color, mesh, tuck and float stitch, jacquard, 2 feeds, plain knit
- 2 colors pattern plus ground color, mesh, tuck and float stitch, jacquard, 2 feeds, plain knit
- With laid-in elastic: 2 colors pattern plus ground color, tuck and float stitch, 2 feed, plain knit
- With laid-in elastic: 1 color pattern plus ground color, mesh, tuck and float stitch, 2 feeds, plain knit

SINGLE CYLINDER GK523H

NUMBER OF COLORS

Number of colors	3 colors on course plus ground color, two feeds
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PERFORMANCES

	4" CYLINDERS
KNITTING FEATURES	Patterns or selections 300 rpm
MAXIMUM SPEED	300 rpm

Above data are indicative and not binding.

DISCLAIMER: maximum speed may vary depending on yarn, knitting, lubrication etc.

GAUGE

		GAUGE																											
Model	∅	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12	12½	13	13½	14	14½	15	15½	16	16½	17	17½	18	18½	19	20	
GK523H	4"					108		116		128	136	144		156		168	176	180	188	192	200		216	220				240	
		Needle thickness 0.85 mm																											
		Needle thickness 0.70 mm							Needle thickness 0.70 mm						Needle thickness 0.60 mm														

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DISCLAIMER:

All features in the brochure are for information only and subject to change without any prior notice.
For a complete list of available options, please contact Lonati sales network.
The Company accepts no liability for improper use of machinery.

SINGLE CYLINDER GK523H

ELECTRIC POWER CONSUMPTION

With program for medium length socks.

MACHINE MODEL	CONSUMPTION kWh
GK523H	0.50 – 0.55

COMPRESSED AIR CONSUMPTION

Gauge pressure 6,5 bar humidity 0% and dryer outlet temperature 18°C-21°C.

MACHINE MODEL	CYCLE TIME	CONSUMPTION FOR STANDARD SOCK	CONSUMPTION FOR PANTYHOSE*	CONSUMPTION PER MINUTE FOR STANDARD SOCK	CONSUMPTION PER MINUTE FOR PANTYHOSE*
GK523H	3'00"	NI 25 - ft ³ 0.882	NI 35 - ft ³ 1.236	NI 8 - Cfm 0.282	NI 12 - Cfm 0.423

*Sock ejection blow open

SUCTION CONSUMPTION

Cylinder suction value = 850 mm/H2O - Holding yarns nozzle suction value = 850mm/H2O - Average consumption = 3 m³/min.

NOISE LEVEL (Maximum noise output for GK series models)

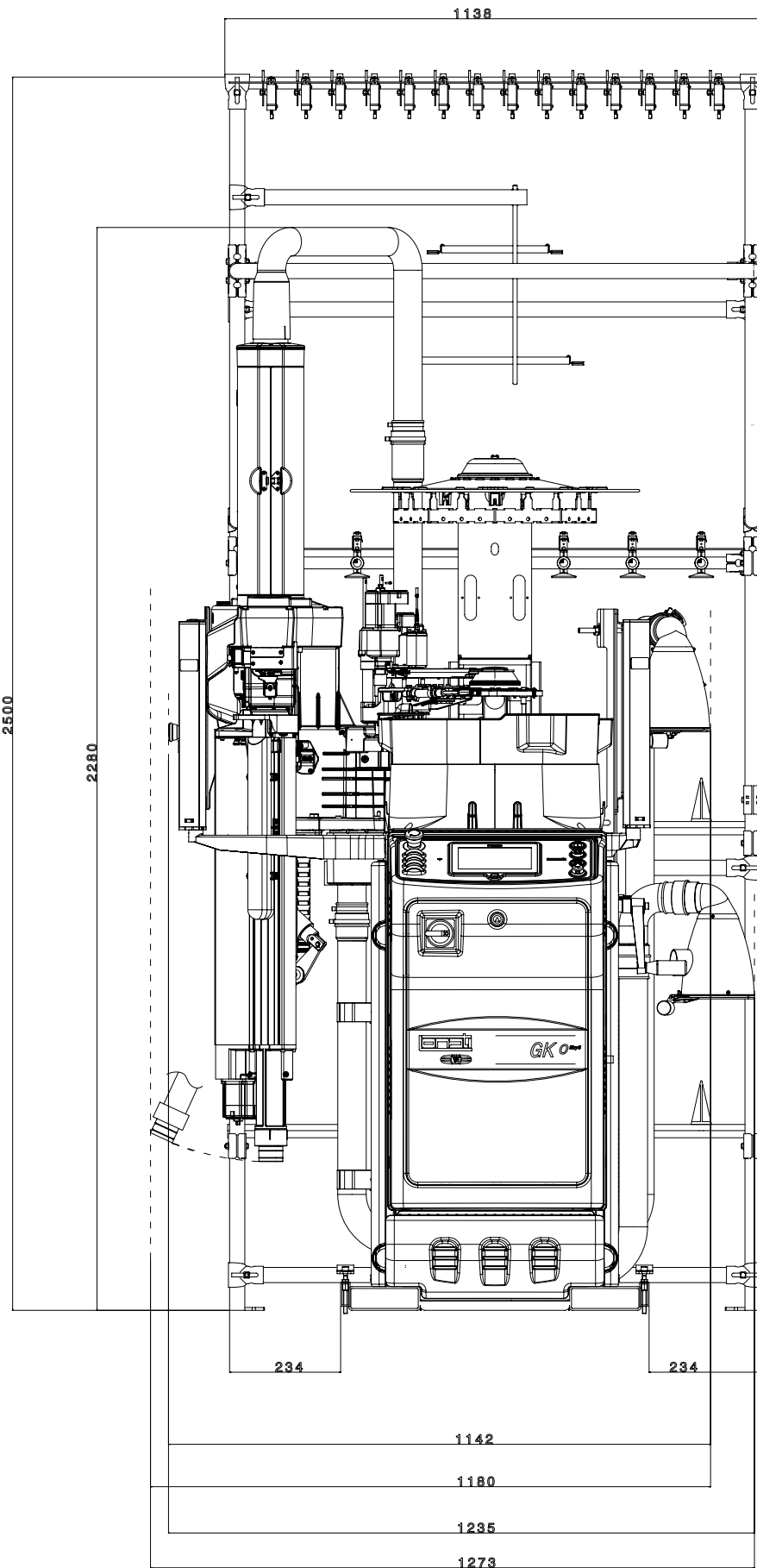
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

LUBRICANTS

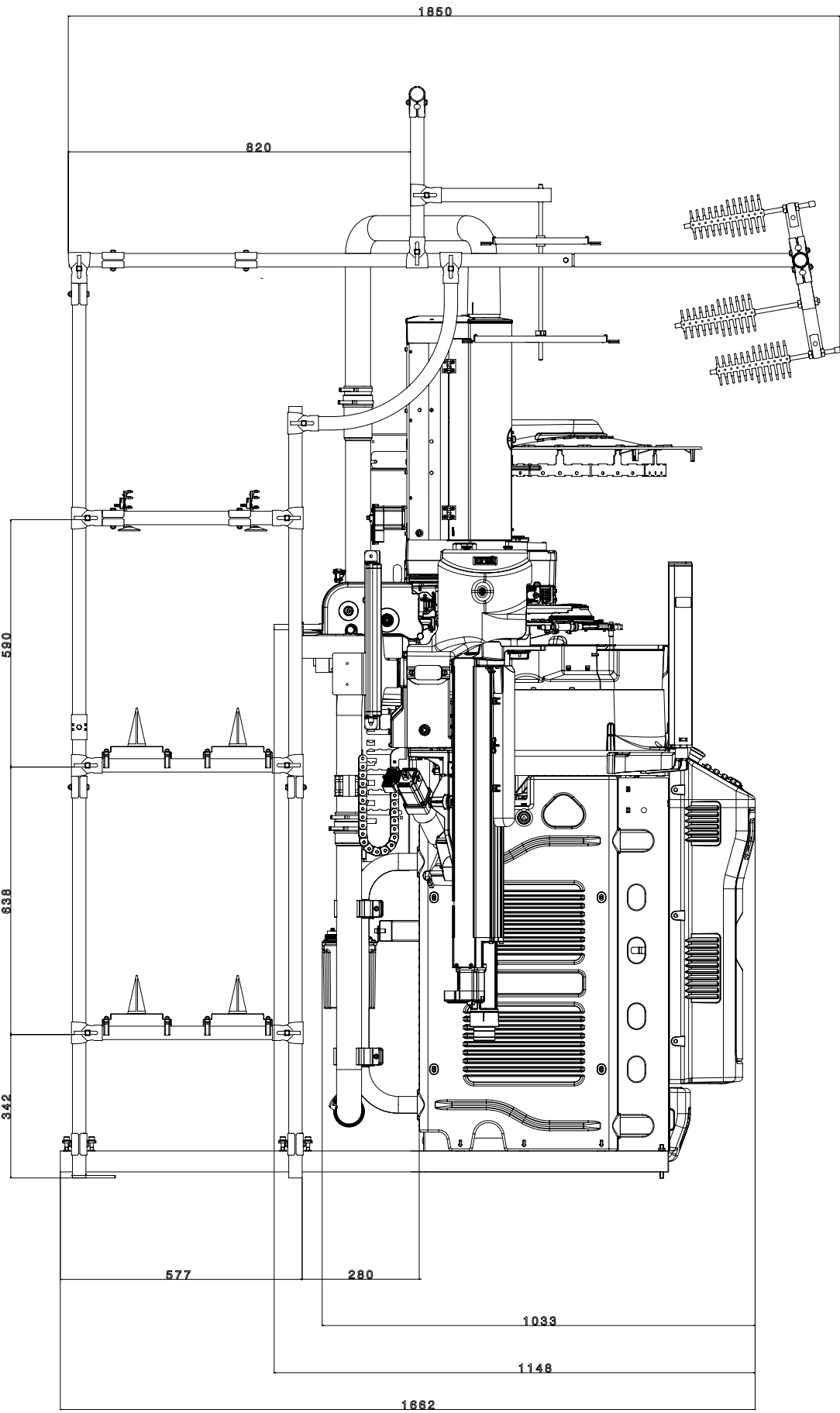
Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Trax 16C

GREASE

Foe seals, bearings etc: Lonati recommends:TechnolubeSeals Damping grease Nyogel 774F-1



DESCRIPTION	CODE	NR. OF REELS	WEIGHT KG.	NOTES
Yarn creel	G3930061	28	51	Standard version
Yarn creel	G3930062	28	51	Version with BTSR sensors



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NOTE

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