

GOSHORES 

SINGLE CYLINDER
GK616D3S - GK516D3S



SINGLE CYLINDER

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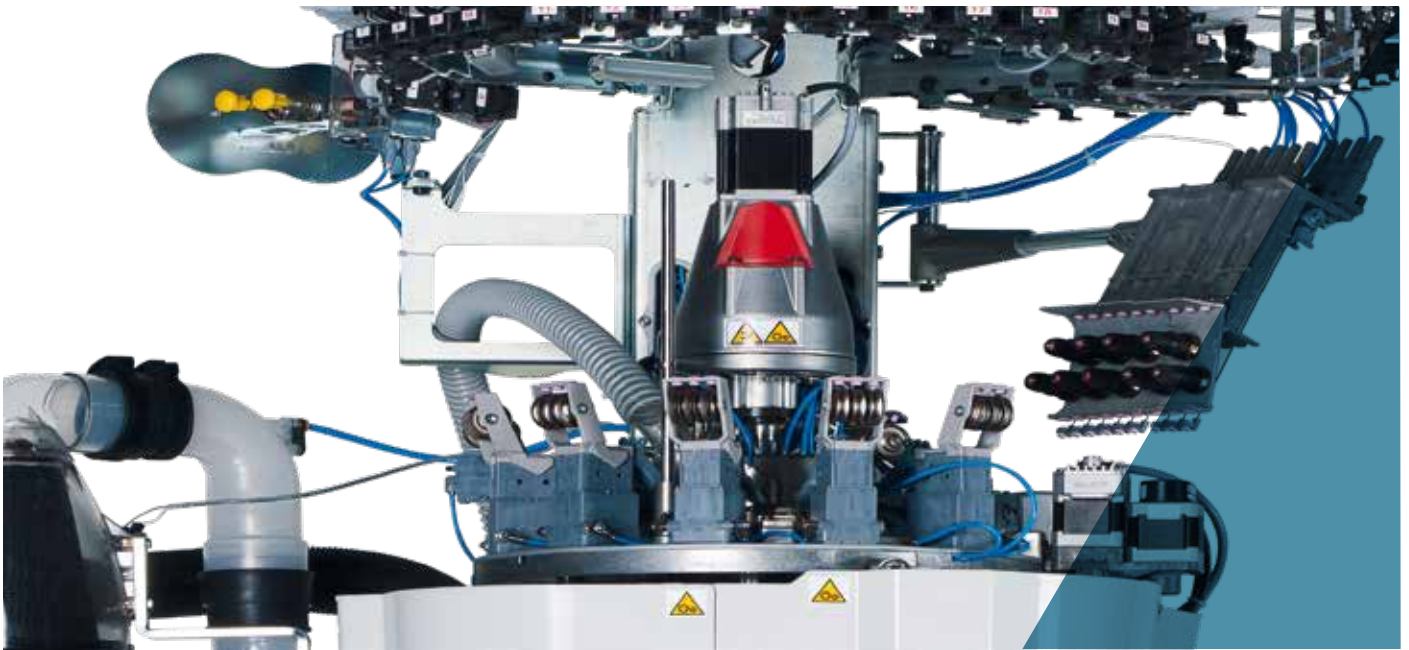


KNITTING HEAD
specifically designed to produce top-quality uppers and ensure constant reliability over time.

SINKER CAP
for selected terry.

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 GK616D3S - GK516D3S

Model designed specifically to produce shoe uppers. These models come in two diameters and in different numbers of needles. 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 that the operator can combine in different ways to obtain the desired results.

- 6 colors pattern on course, plain knit or selected terry, selected terry also on reciprocating areas.
- Reciprocated heel and toe in different sizes and 3D effects.
- Number of yarn fingers: twenty-nine.
- Rising dial and finger plate with stepping motor.
- 10 electronic actuators for needle selection plus 1 electronic actuator for sinker selection.
- Brushless motor for cylinder movement, coaxial with cylinder holder.

MACHINE DIMENSIONS



Max. length cm 94.5
Max. depth cm 103.3
Max. height cm 180

MACHINE WEIGHT



ca. 230 Kg

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TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GK616D3S	3 3/4"	9 to 12	0.85
GK516D3S	4"	8 1/2 to 12 1/2	0.85

The 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
- 18 color yarn fingers
- High resolution color touch screen display
- Yarn sliding sensors guard cleaning device
- Nine-position heel yarn recover device
- 2 yarn fingers on laid-in elastic feed
- 9 yarn fingers on stitch feed
- Yarn creel
- USB port
- Circular yarn cutter with adjustable speed
- Stepper motor controlled adjustable suction valve

MAIN OPTIONAL DEVICES

- LGL Eco Power or Eco Compact yarn storage feeder
- Dinema GRYF positive yarn feeders
- Elastic positive yarn feeders for compression shoe uppers
- Dinema Plus elastane positive feeders
- G-Flot device
- G-Flot 2 device
- Elastane extra pliers device
- Preparation for storage feeder "Unifeeder 2" by BTSR
- Ethernet board for connection to Dinema Nautilus data collector system
- Yarn sliding control sensors, Dinema ISPY
- Pneumatic yarn tensioners for covered elastane
- Suction fan

POSSIBLE KNITTING

The standard machine can perform the following knittings

- 6 colors pattern plus ground, mesh, tuck and float stitch, plain knit or plating selected terry.
- With laid-in elastic: 6 colors pattern plus ground, tuck and float stitch, plain knit or plating selected terry.
- With laid-in elastic: 5 colors pattern plus ground, mesh, tuck and float stitch, plain knit or plating selected terry.
- Selected heel, with possible jacquard pattern .

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NUMBER OF COLORS

Number of colors

Six colors on course plus ground

PERFORMANCES

	3"3/4 - 4" CYLINDERS
KNITTING FEATURES	Pattern, selection or terry 250 rpm
	Plain knit with high speed sinkers cap 250 rpm
MAXIMUM SPEED	250 rpm

The above data are indicative and not binding.

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

GAUGES

Model	ø	GAUGE								
		8½	9	9½	10	10½	11	11½	12	12½
GK516D3S	4"	108		116		128	136	144		156
		112		120		132				
Needle thickness 0.85 mm										
GK616D3S	3"3/4		108	112	116	120	132	136	144	
						128				
Needle thickness 0.85 mm										

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.

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ELECTRIC POWER CONSUMPTION

With program for medium length shoe uppers

MACHINE MODEL	CONSUMPTION KWH
GK616D3S - GK516D3S	0.40 - 0.45

COMPRESSED AIR CONSUMPTION

Gauge pressure 6.5 bar, humidity 0% and dryer outlet temperature 18°C-21°C.

MACHINE MODEL	CYCLE TIME	CONSUMPTION FOR SHOE UPPER	CONSUMPTION PER MINUTE
GK616D3S - GK516D3S	2'45"	NI 11 - ft ³ 0.388	NI 4 - Cfm 0.141

SUCTION CONSUMPTION

Cylinder suction value = 850 mm/H₂O – Holding yarns nozzle suction value = 850 mm/H₂O - Average consumption = 2.5 m³/min.

NOISE LEVEL (Maximum noise output for GK series models)

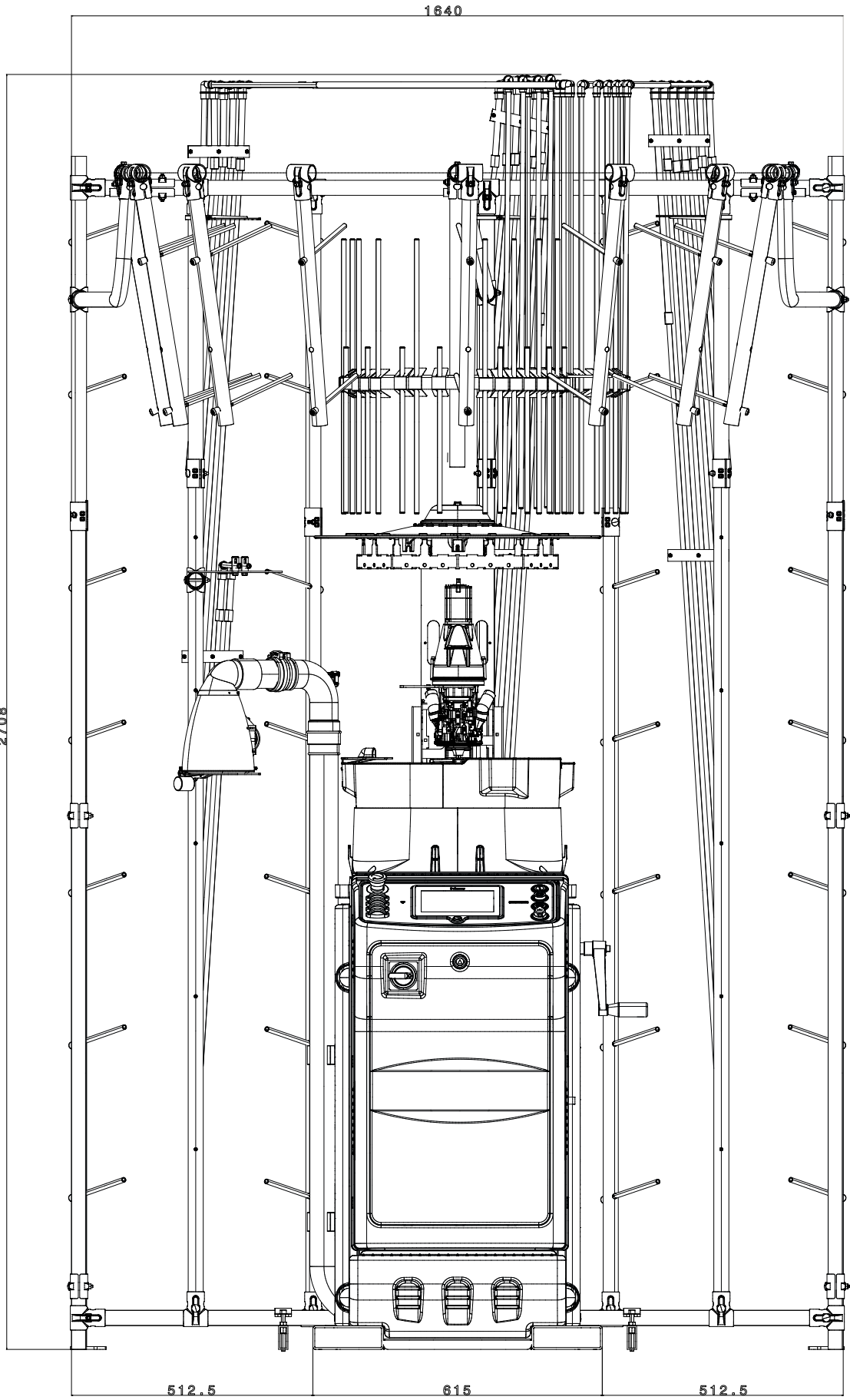
Noise pressure level on reference surface = LpA 79.5 dB – Noise power level = LWA 96.6 dB - Peak = 109.3 dB

LUBRICANTS

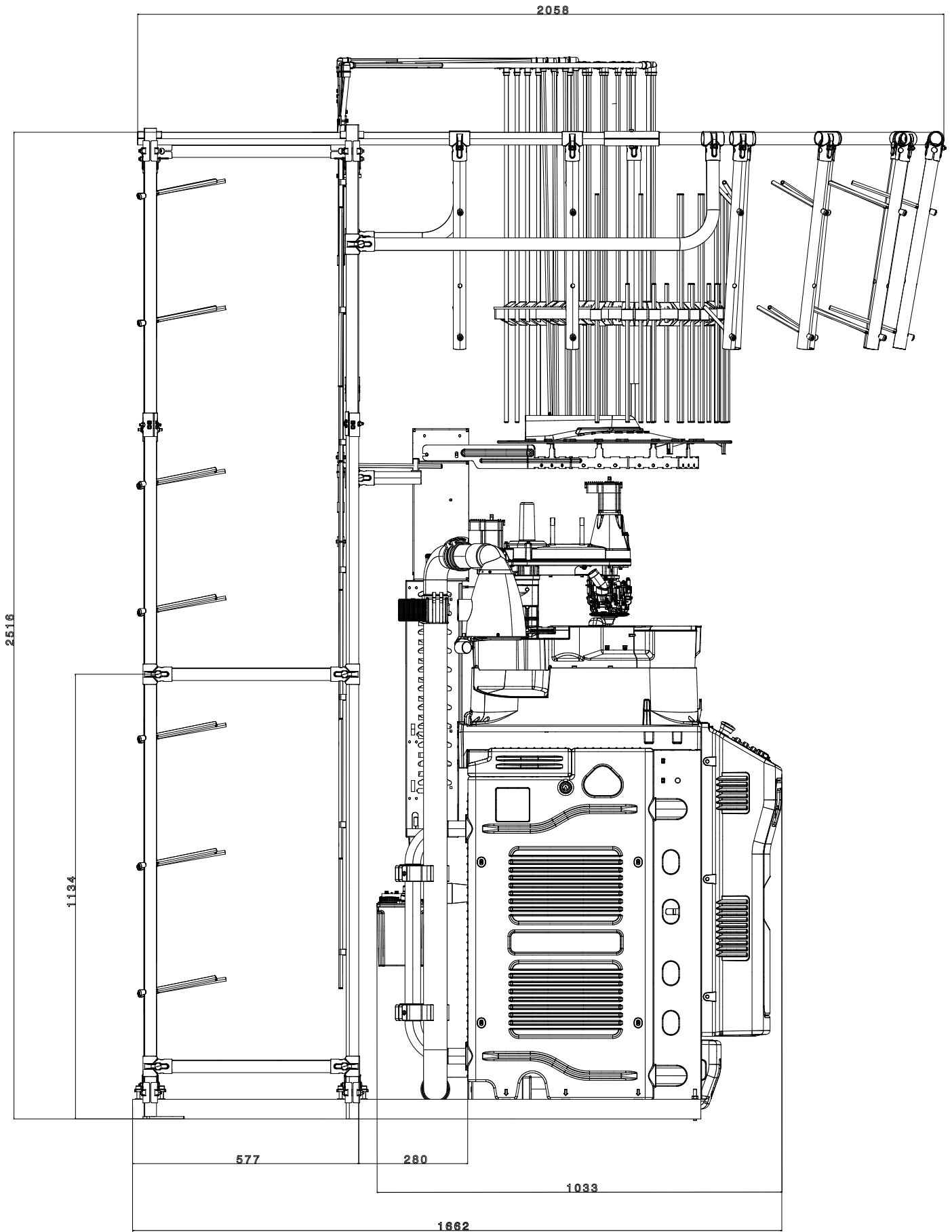
Average consumption for 100 dozens = 270 g. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Trax 16C

GREASE

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



DESCRIPTION	CODE	NR. OF REELS	WEIGHT KG.	NOTES
Yarn creel	G1930157	53	70	-



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Yarn creel	G1930157	53	70	-





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