

**GOAL**  
**SINGLE CYLINDER**  
**GK725S - GK625S - GK525S**



# SINGLE CYLINDER

GK725S - GK625S - GK525S

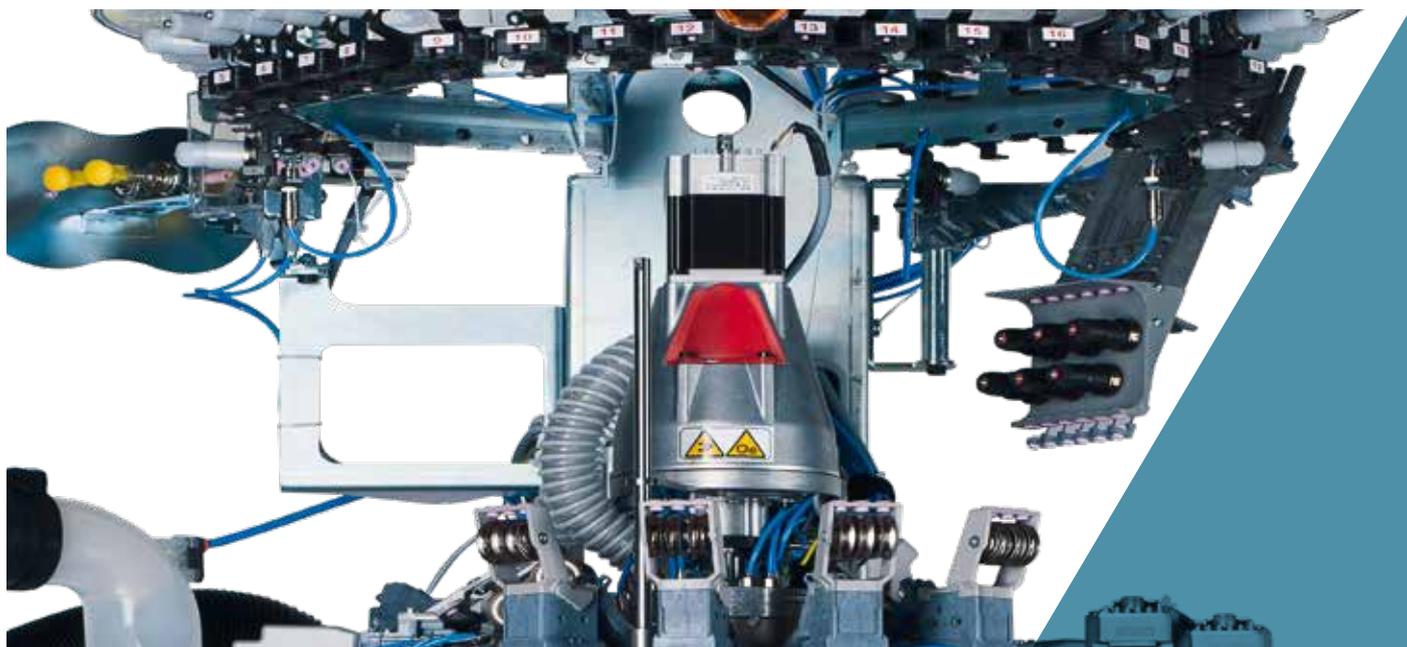


**KNITTING HEAD**  
designed to knit high quality items and ensure constant reliability over time.

**SINKERS CAP**  
standard terry or plating

**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 GK725S - GK625S - GK525S

Goal Series 2 feeds machines are designed to offer maximum productivity. They are available in different diameters with 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 the operator can combine in different ways to obtain the desired results.

- 5 colors pattern on single feed course, plain knit or terry
- Reciprocated heel and toe in different sizes, 3D effects
- 28 yarn fingers
- Rising dial and finger plate with stepping motor
- 9 electronic actuators for needle selection
- Brushless coaxial main motor

### MACHINE DIMENSIONS



Lenght max cm 94.5  
Depth max cm 103.3  
Height max cm 180

### MACHINE WEIGHT



ca. 230 Kg

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### TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GK725S	3"1/2	7 1/2 to 14	0.85 - 0.70 - 0.60 mm
GK625S	3"3/4	from 9 to 17	0.85 - 0.70 - 0.60 mm
GK525S	4"	from 6 1/2 to 16	0.85 - 0.70 - 0.60 mm

Above data are indicative and not binding.

### STANDARD DEVICES

- ⊖ Stepper motor electric dial with adjustable height
- ⊖ Stitch cam feeds 1 and 2 with 3 different heights.
- ⊖ 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
- ⊖ 14 color yarn fingers
- ⊖ 9 yarn fingers on first feed, 6 on second feed
- ⊖ Yarn creel
- ⊖ USB port
- ⊖ Circular yarn cutter with mechanical stop
- ⊖ 1 yarn finger on inlaid elastic feed
- ⊖ Stepper motor controlled adjustable suction valve

### 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 elastan positive feeders
- Motorized stitch cams
- Antitwist device
- Footlet device
- G-Flot device
- G-Flot 2 device
- Elastane extra pliers device
- Recover yarn device, 6 positions
- Yarn trimming circular cutter with adjustable speed
- Preparation for storage feeder "Unifeeder 2" by BTSR
- Ethernet board for connection to Dinema Nautilus data collector system
- Second elastic yarn finger, on second feed
- 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 or terry
- 5 colors pattern plus ground color, mesh, tuck and float stitch, 1 feed, plain knit or terry
- With laid-in elastic: 5 colors pattern plus ground color, tuck and float stitch, 1 feed, plain knit or terry
- With laid-in elastic: mesh, tuck and float stitch, 4 colors pattern plus ground, 1 feed, plain knit or terry
- Laid-in elastic on 2 feeds, that is one course elastic every two knitted course, on plain knit or terry
- With the second elastic yarn finger 4 colors pattern on course plus ground, tuck and float stitch, one feed, plain knit or terry
- With the second elastic yarn finger 3 colors pattern on course plus ground, mesh, tuck and float stitch, one feed, plain knit and terry

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### NUMBER OF COLORS

Number of colors	5 colors on course plus ground color, one feed
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### PERFORMANCES

	3" 1/2 3" 3/4 4" CYLINDERS
KNITTING FEATURES	Patterns or selections 300rpm Plain knit without pattern 350rpm
MAXIMUM SPEED	350 rpm

Above data are indicative and not binding.

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

### GAUGE

		GAUGE																						
Model	ø	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12	12½	13	13½	14	14½	15	15½	16	16½	17	
GK525S	4"	84	88	96		108		116		128	136	144		156		168	176	180	188	192	200			
		Needle thickness 0.85 mm																						
		Needle thickness 0.70 mm											Needle thickness 0.70 mm						Needle thickness 0.60 mm					
GK625S	3"3/4		84	88	96		108	112	116	120	128	132		144		156	160	168		176	180	188	192	200
		Needle thickness 0.85 mm																						
		Needle thickness 0.70 mm																		Needle thickness 0.60 mm				
GK725S	3"1/2			84	88	96	100		108	116	120	128	132		144		156							
		Needle thickness 0.85 mm																						
		Needle thickness 0.70 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.

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## GK725S - GK625S - GK525S

### ELECTRIC POWER CONSUMPTION

With program for medium length socks.

MACHINE MODEL	CONSUMPTION kWh
GK725S - GK625S - GK525S	0.45 - 0.50

### COMPRESSED AIR CONSUMPTION

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

MACHINE MODEL	CYCLE TIME	CONSUMPTION FOR SOCK	CONSUMPTION PER MINUTE
GK725S - GK625S - GK525S	2'45"	NI 11 - ft <sup>3</sup> 0.388	NI 4 - Cfm 0.141

### SUCTION CONSUMPTION

Cylinder suction value = 850 mm/H2O - Holding yarns nozzle suction value = 850mm/H2O - Average consumption = 2.5 m<sup>3</sup>/min.

### NOISE LEVEL (Maximum noise output for GK series models)

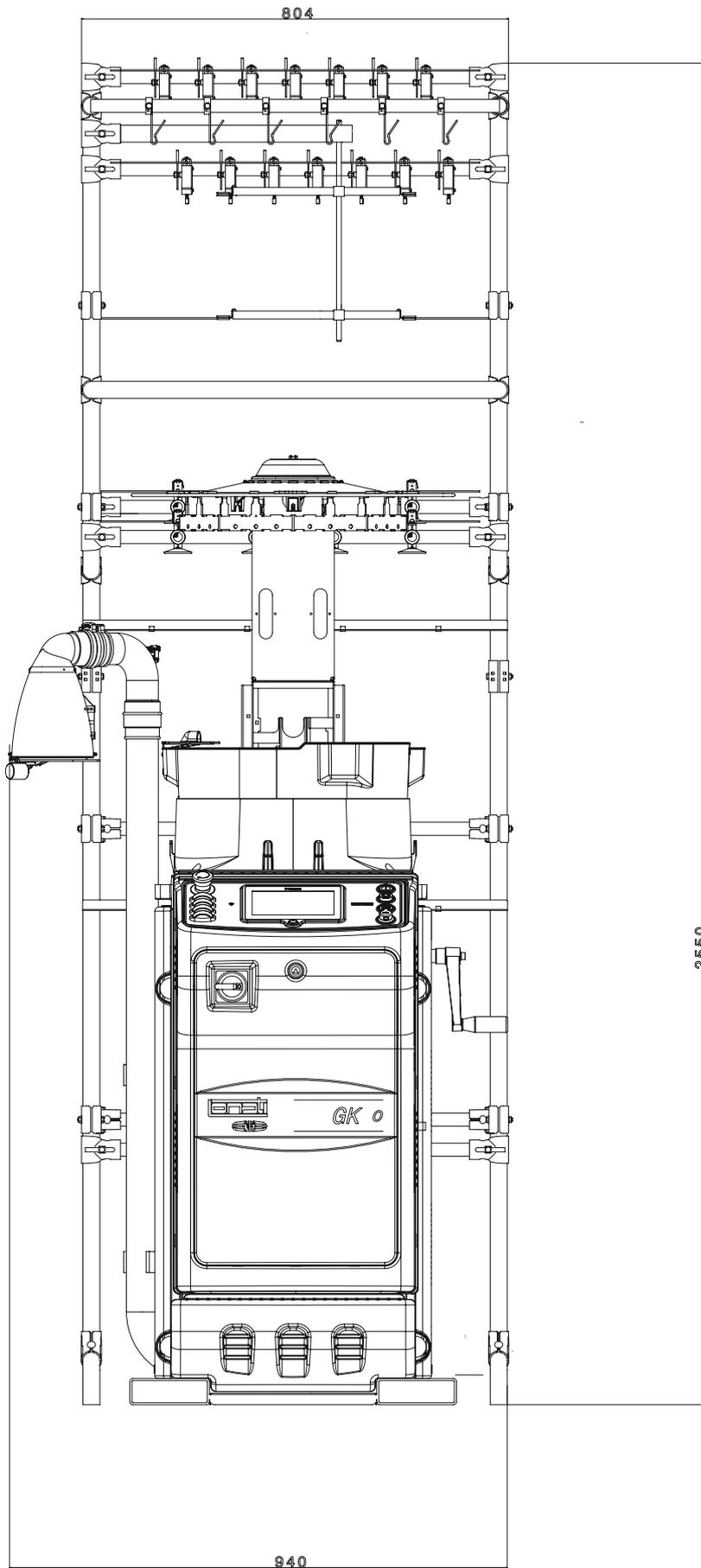
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

### LUBRICANTS

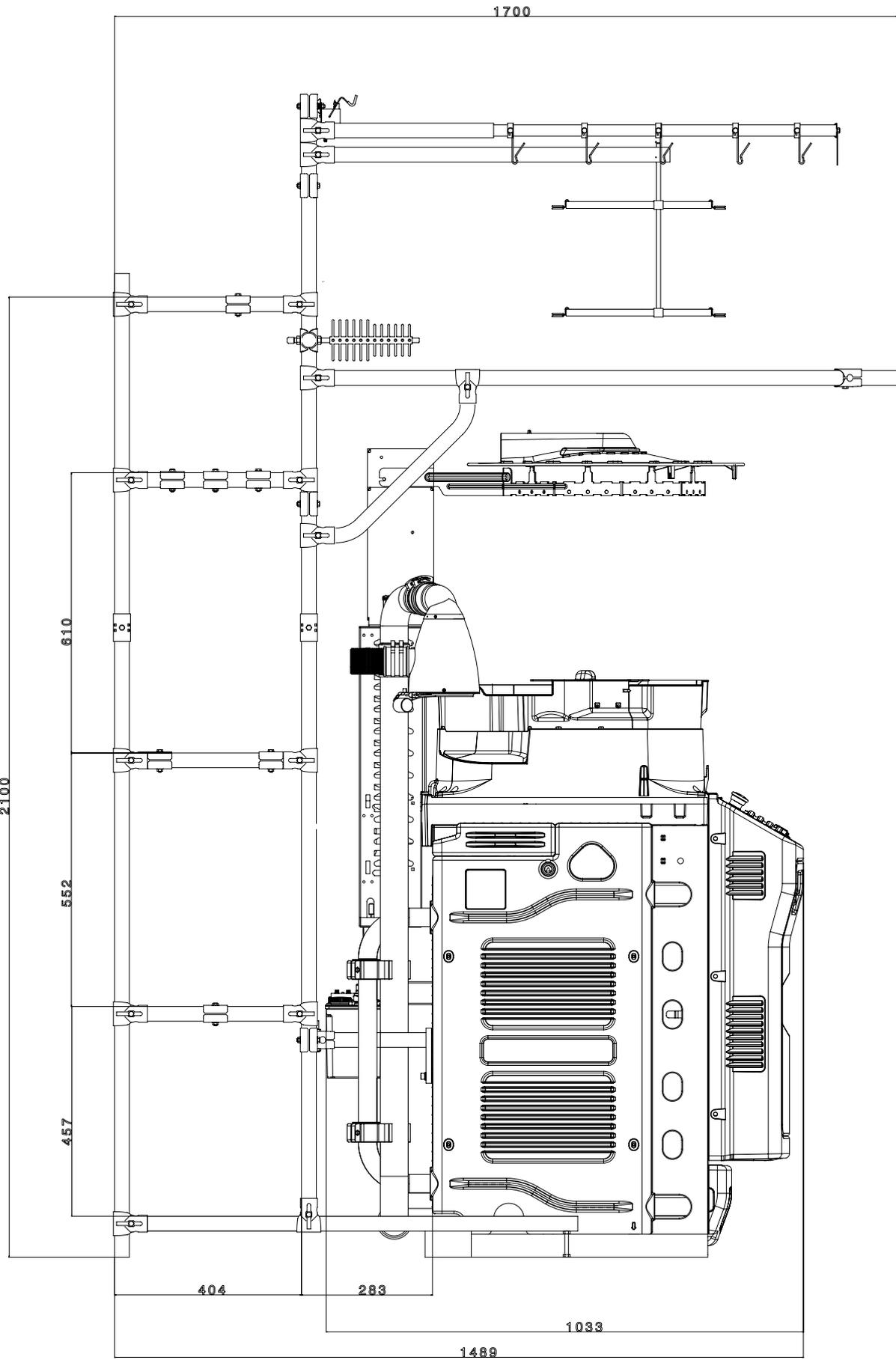
Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Trax 16C

### GREASE

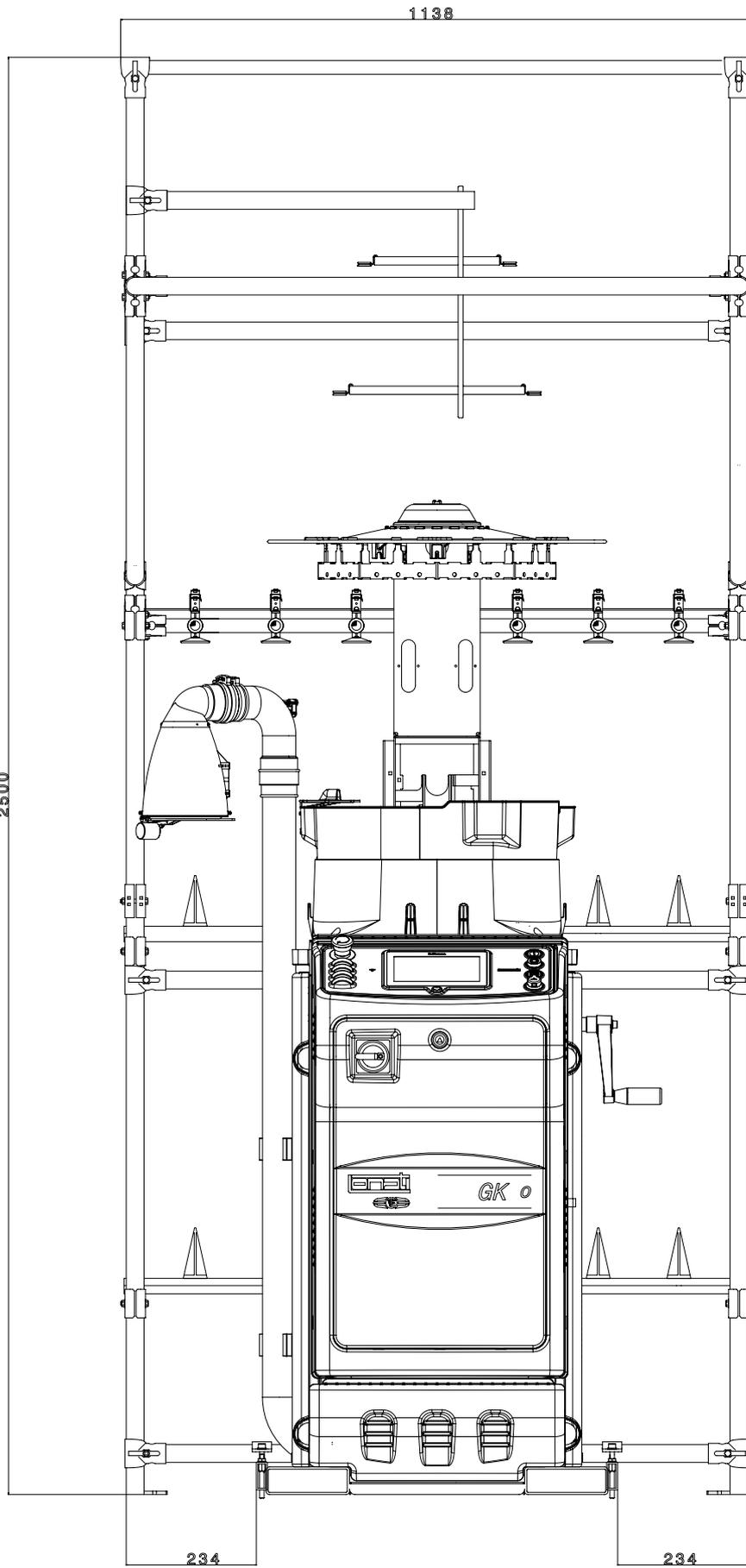
Foe seals, bearings etc: Lonati recommends:TechnolubeSeals Damping grease Nyogel 774F-1



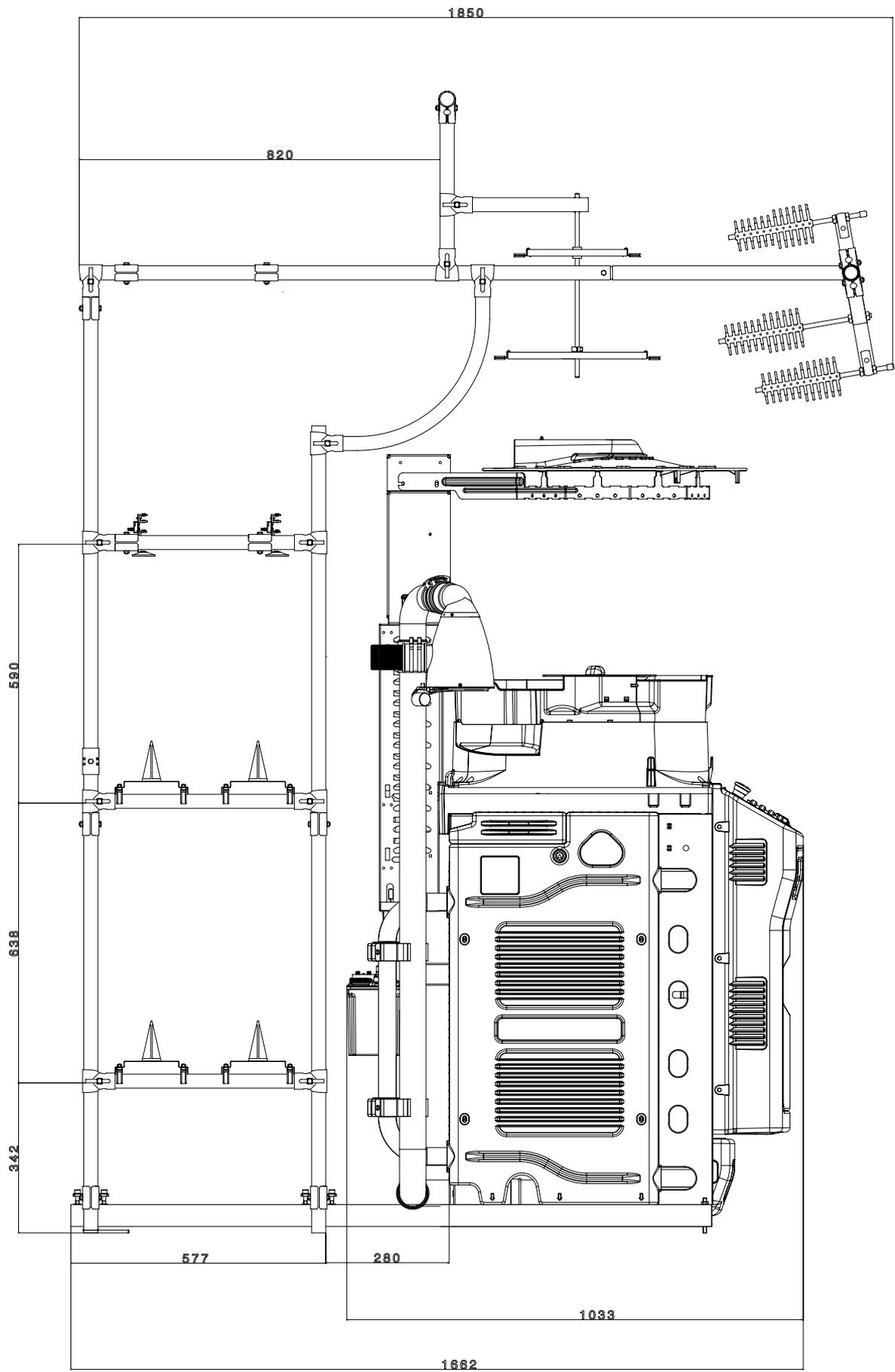
DESCRIPTION	CODE	NR. OF REELS	WEIGHT KG.	NOTES
Yarn creel	G1930040	28	20	Standard version
Yarn creel	G1930041	28	20	Version with BTR sensors



DESCRIPTION	CODE	NR. OF REELS	WEIGHT KG.	NOTES
Yarn creel	G1930040	28	20	Standard version
Yarn creel	G1930041	28	20	Version with BTSR sensors



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



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

# NOTE

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