

GOAL
SINGLE CYLINDER
GK616DF - GK616DF3 - GK516DF



SINGLE CYLINDER

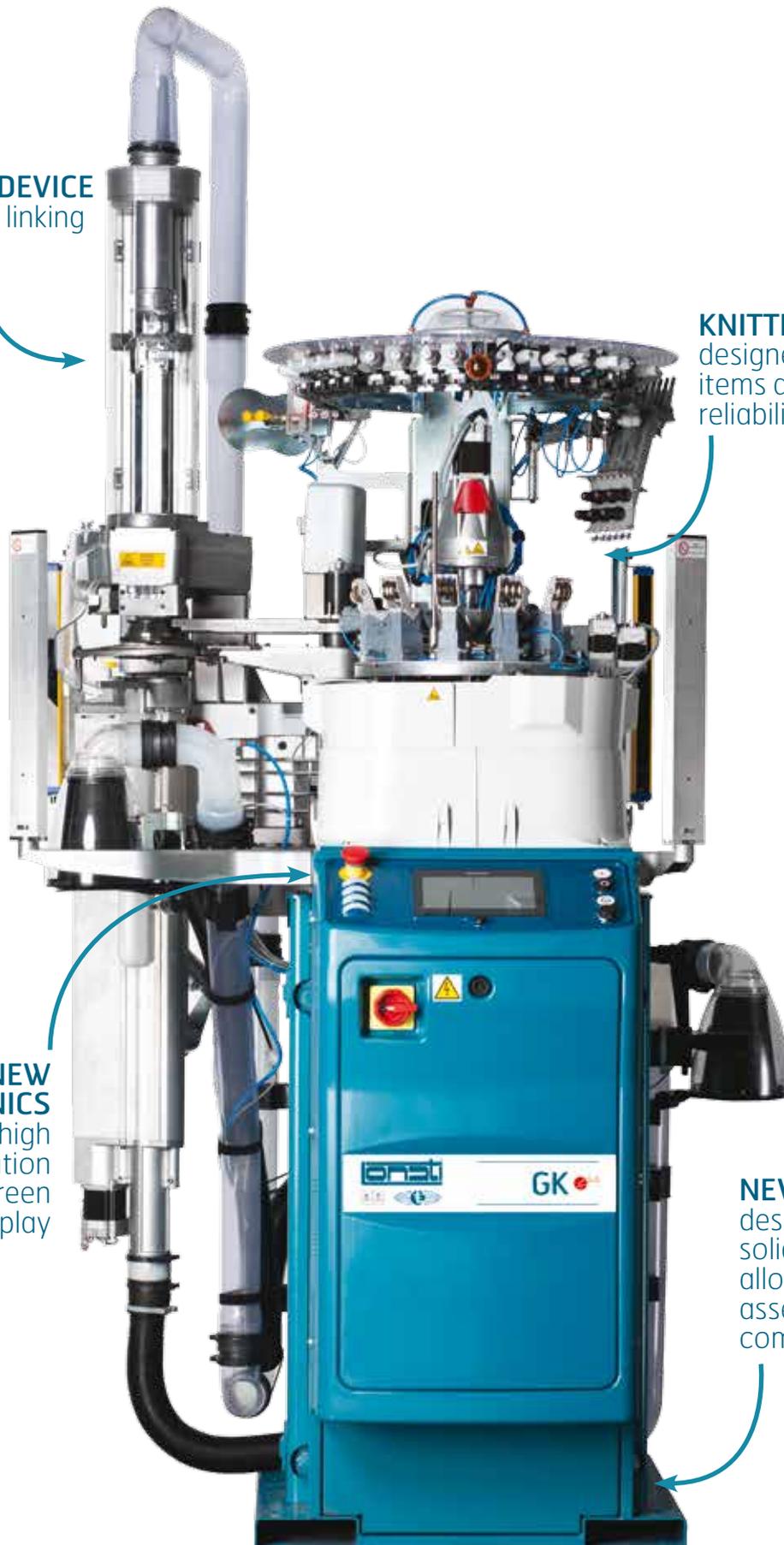
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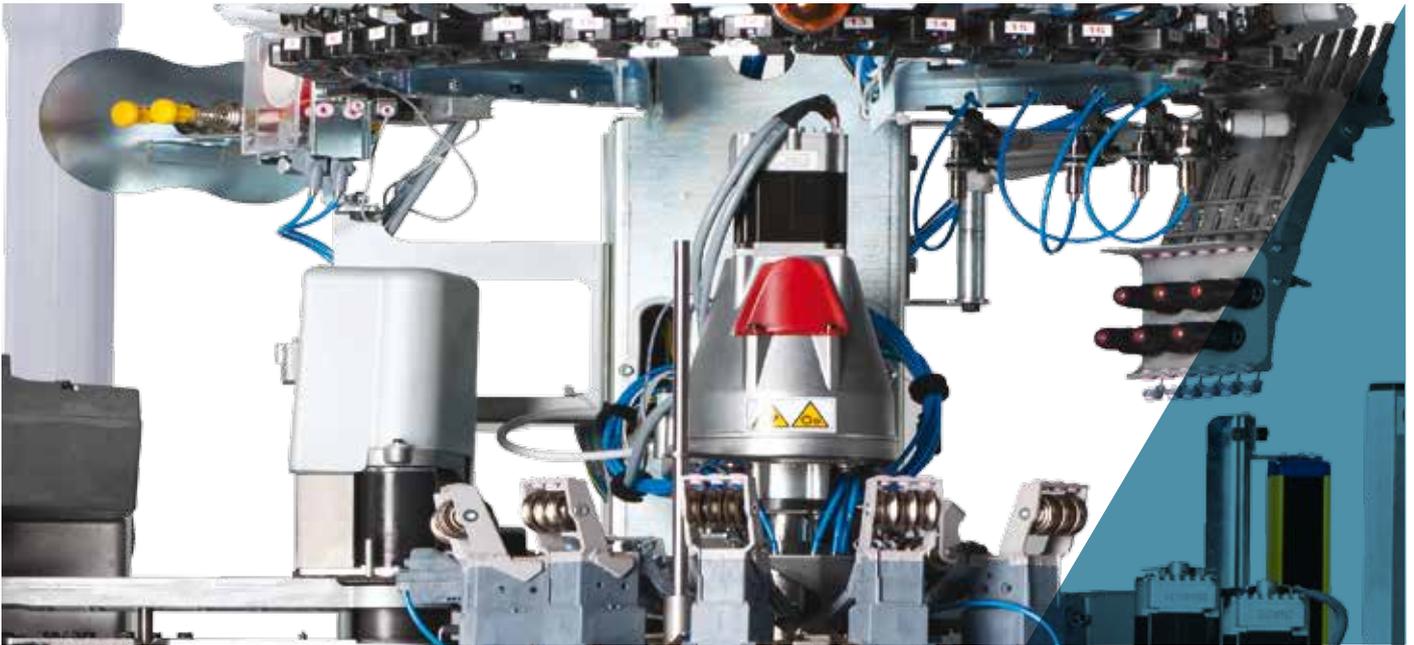
SBYS DEVICE
for automatic linking

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 GK616DF - GK616DF3 - GK516DF

1 feed machines are the best sellers of the Goal Line as, thanks to their versatility, they can produce several different items, from the very simple to the most complex, without compromising on quality and efficiency. They are available in different diameters and numbers of needles. 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.

- 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
- 28 or 29 yarn fingers, according to the model
- Rising dial and finger plate with stepping motor
- GK616DF GK516DF 9 electronic actuators for needle selection plus 1 electronic actuator
- GK616DF3 10 actuators for needle selection plus 1 electronic actuator for sinker selection
- Brushless coaxial main motor

MACHINE DIMENSIONS



Lenght max cm 127.3
Depth max cm 114.8
Height max cm 228

MACHINE WEIGHT



ca. 320 Kg

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TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GK616DF	3"3/4	from 9 to 17	0.85 - 0.70 - 0.60 mm
GK616DF3	3"3/4"	from 9 to 17	0.85 - 0.70 - 0.60 mm
GK516DF	4"	from 8 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 feed: 1 with 3 different heights.
- Motorized stitch cam, on GK616DF3 only
- 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
- 2 yarn fingers on laid-in elastiv feed, on GK616DF3 only
- 2 stepper motor controlled adjustable suction valves
- 9 yarnfingers on stitch feed
- Yarn creel
- USB port
- 18 color yarnfingers
- circular yarn cutter with mechanical stop
- Circular yarn cutter with adjustable speed, on GK616DF3 only
- 1 yarnfinger on laid-in elastic feed

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
- Motorized stitch cams, on GK616DF and GK516DF
- Antitwist device
- Footlet device, on GK616DF and GK516DF only
- Inside-out sock ejection device
- G-Flot device
- G-Flot 2 device
- Elastane extra pliers device
- Yarn recover device, 6 positions
- Yarn trimming circular cutter with adjustable speed
- Linking device inspection lamp
- Preparation for storage feeder "Unifeeder 2" by B TSR
- Ethernet board for connection to Dinema Nautilus data collector system
- Second elastic yarn finger, on GK616DF only
- Yarn sliding control sensors, Dinema ISPY
- Pneumatic yarn tensioner 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.
- On GK616DF3 only: selected heel with 2 colors jacquard pattern

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NUMBER OF COLORS

Number of colors	6 colors on course plus ground
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PERFORMANCES

	3"3/4, 4" CYLINDERS
KNITTING FEATURES	Patterns or selection 250 rpm
	Plain knit with high speed sinkers cap 250 rpm
MAXIMUM SPEED	250 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	
GK516DF	4"					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																						
GK616DF	3"3/4						108	112	116	120	128	132	136	144		156	160	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																						
GK616DF3	3"3/4						108	112	116	120	128	132	136	144		156	160	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																						

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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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ELECTRIC POWER CONSUMPTION

With program for medium length socks.

MACHINE MODEL	CONSUMPTION kWh
GK616DF - GK616DF3 - GK516DF	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 STANDARD SOCK	CONSUMPTION FOR PANTYHOSE*	CONSUMPTION PER MINUTE FOR STANDARD SOCK	CONSUMPTION PER MINUTE FOR PANTYHOSE*
GK616DF - GK616DF3 - GK516DF	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)

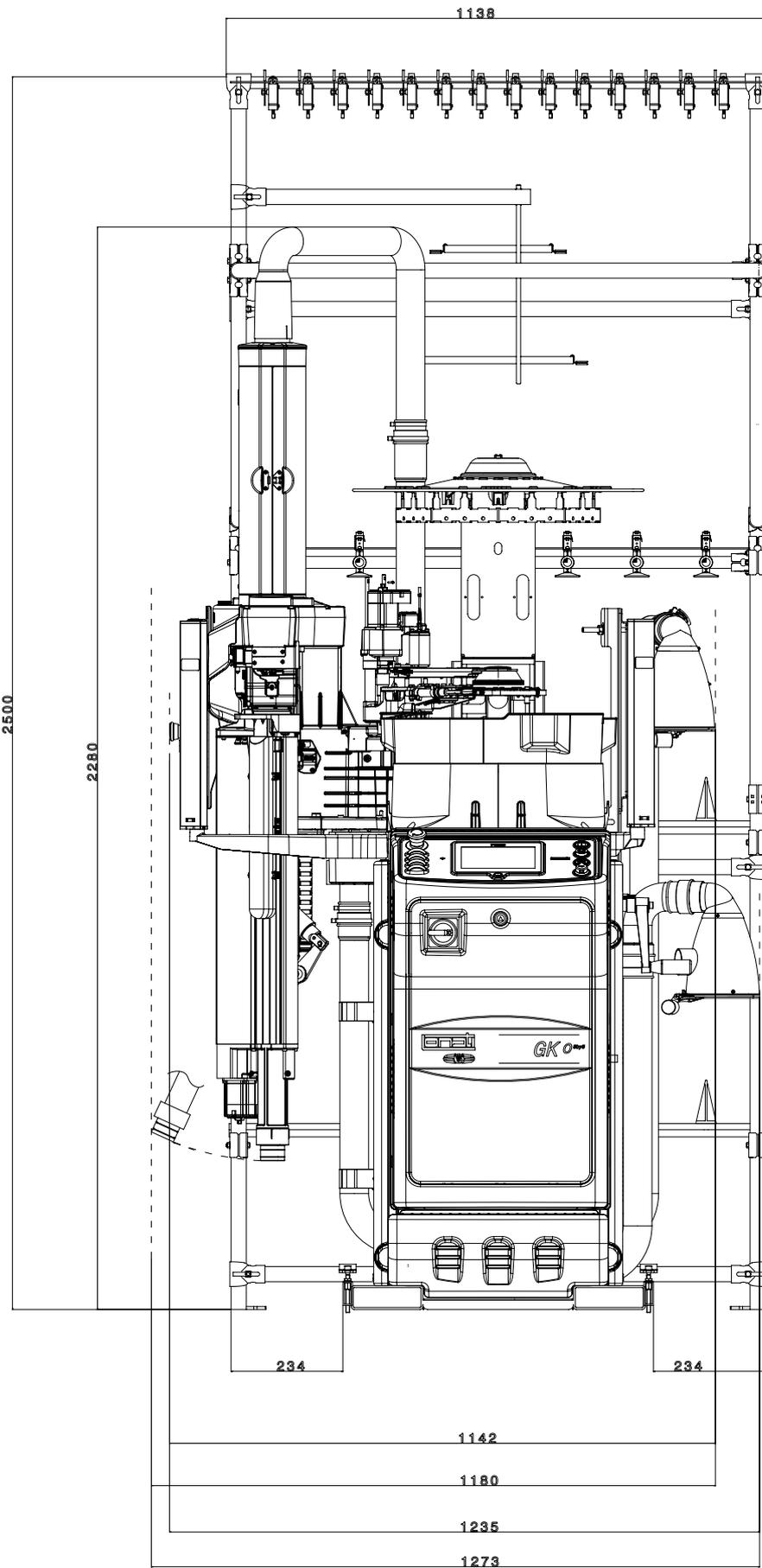
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

LUBRICANTS

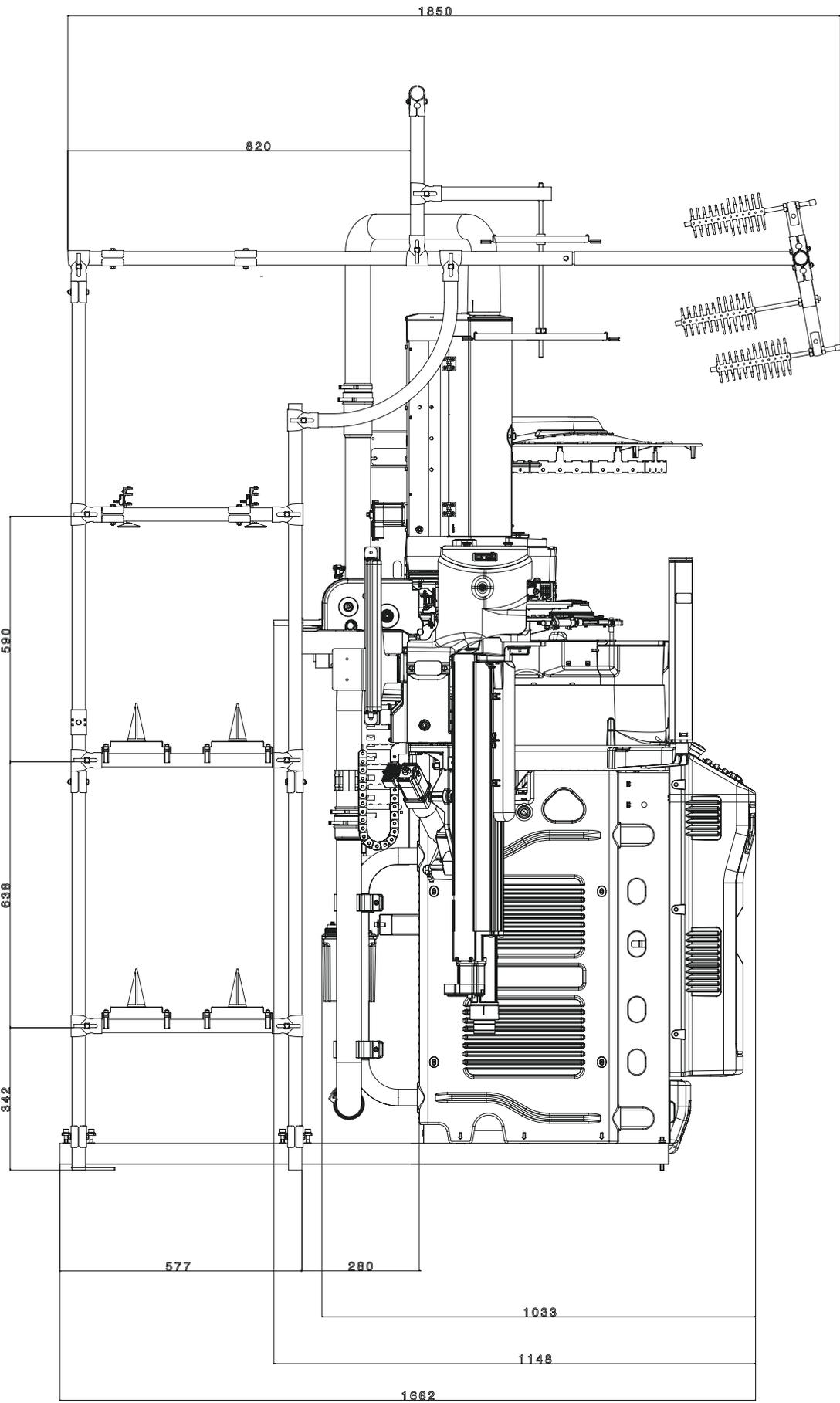
Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Trax 16C

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 BTR 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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