

GOAL
SINGLE CYLINDER
GK616D - GK516D



SINGLE CYLINDER

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

SINKERS CAP
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 GK616D - GK516D

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. Available in different diameters and 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.

- 6 colors pattern on course, selected terry or plain knit. selected terry also on reciprocating areas
- Reciprocated heel and toe in different sizes and 3D effects
- Yarnfingers: 28 or 29 depending on the model
- Rising dial and finger plate with stepping motor
- 9 electronic actuators for needle selection plus 1 electronic actuator for sinker 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

CERTIFICATION

SINGLE CYLINDER

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TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GK616D	3 3/4"	7 to 17	0.85 - 0.70 - 0.60 mm
GK516D	4"	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.
- ⊖ Selected terry motorized sinkers 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
- ⊖ 9 yarnfingers on stitch feed
- ⊖ Yarn creel
- ⊖ USB port
- ⊖ 18 color yarnfingers
- ⊖ Circular yarn cutter with mechanical stop
- ⊖ 1 yarnfinger on laid-in 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 elastane positive feeders
- Motorized stitch cams
- Antitwist device
- Footlet device
- G-Flot device
- G-Flot 2 device
- Elastane extra tweezers device
- Yarn recover device, 6 positions
- Yarn trimming circular cutter with adjustable speed
- Preparation for storage feeder "Unifeeder 2" by BTR
- Ethernet board for connection to Dinema Nautilus data collector system
- Second elastic yarnfinger
- 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 color, mesh, tuck and float stitch, plain knit or terry
- With laid-in elastic: 6 colors pattern plus ground color, tuck and float stitch, plain knit or plating selected terry
- With laid-in elastic: 5 colors pattern plus ground color, mesh, tuck and float stitch, plain knit or plating selected terry

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NUMBER OF COLORS

Number of colors	6 on course plus ground
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PERFORMANCES

	3" 3/4 4" CYLINDERS
KNITTING FEATURES	Patterns or selections or terry 250 rpm Plain knit without pattern, high speed sinker 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
GK516D	4"	84	88	96		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							
GK616D	3"3/4	84	88	96		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
GK616D - GK516D	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 SOCK	CONSUMPTION PER MINUTE
GK616D - GK516D	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 = 850mm/H2O - Average consumption = 2.5 m³/min.

NOISE LEVEL (Maximum noise output for GK series models)

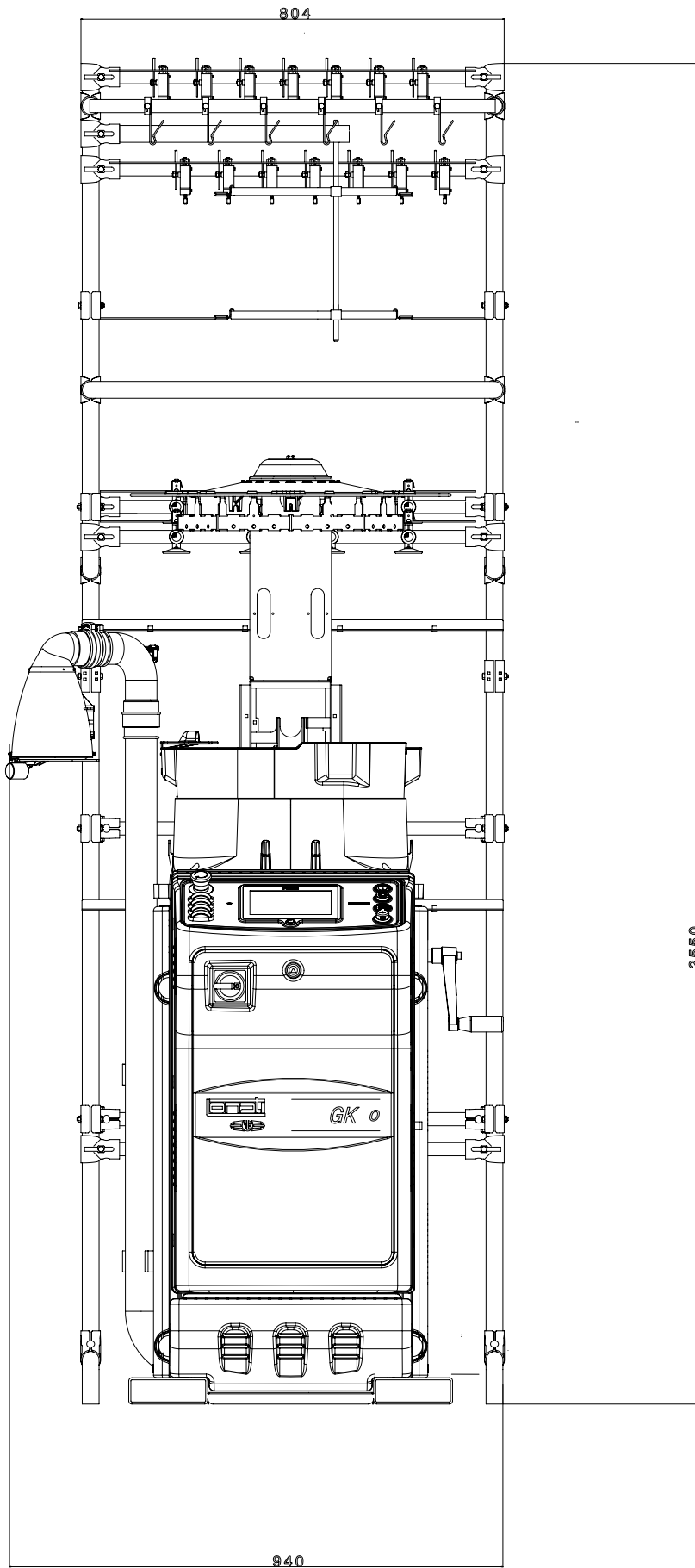
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

LUBRICANTS

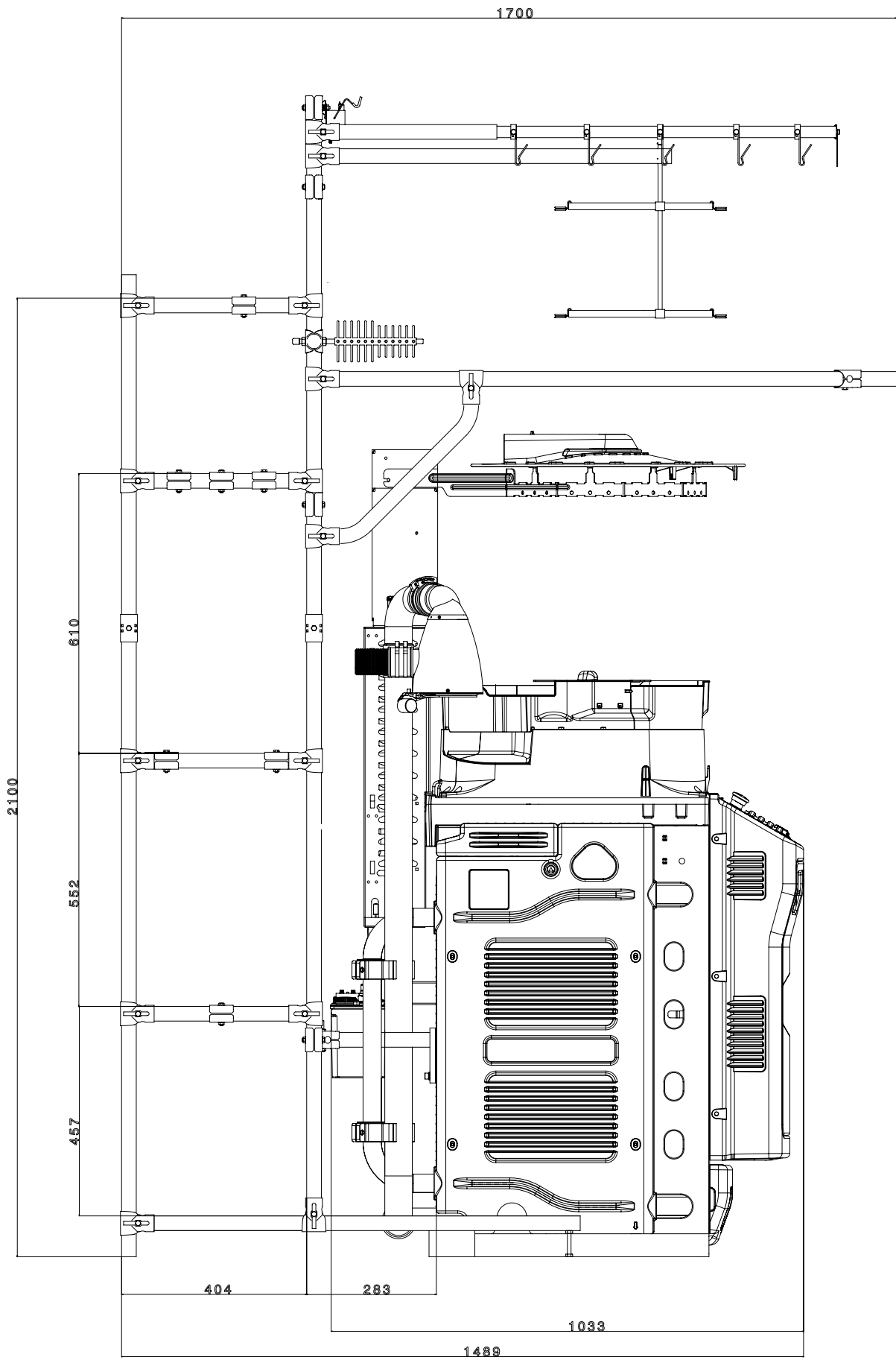
Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Trax 16C

GREASE

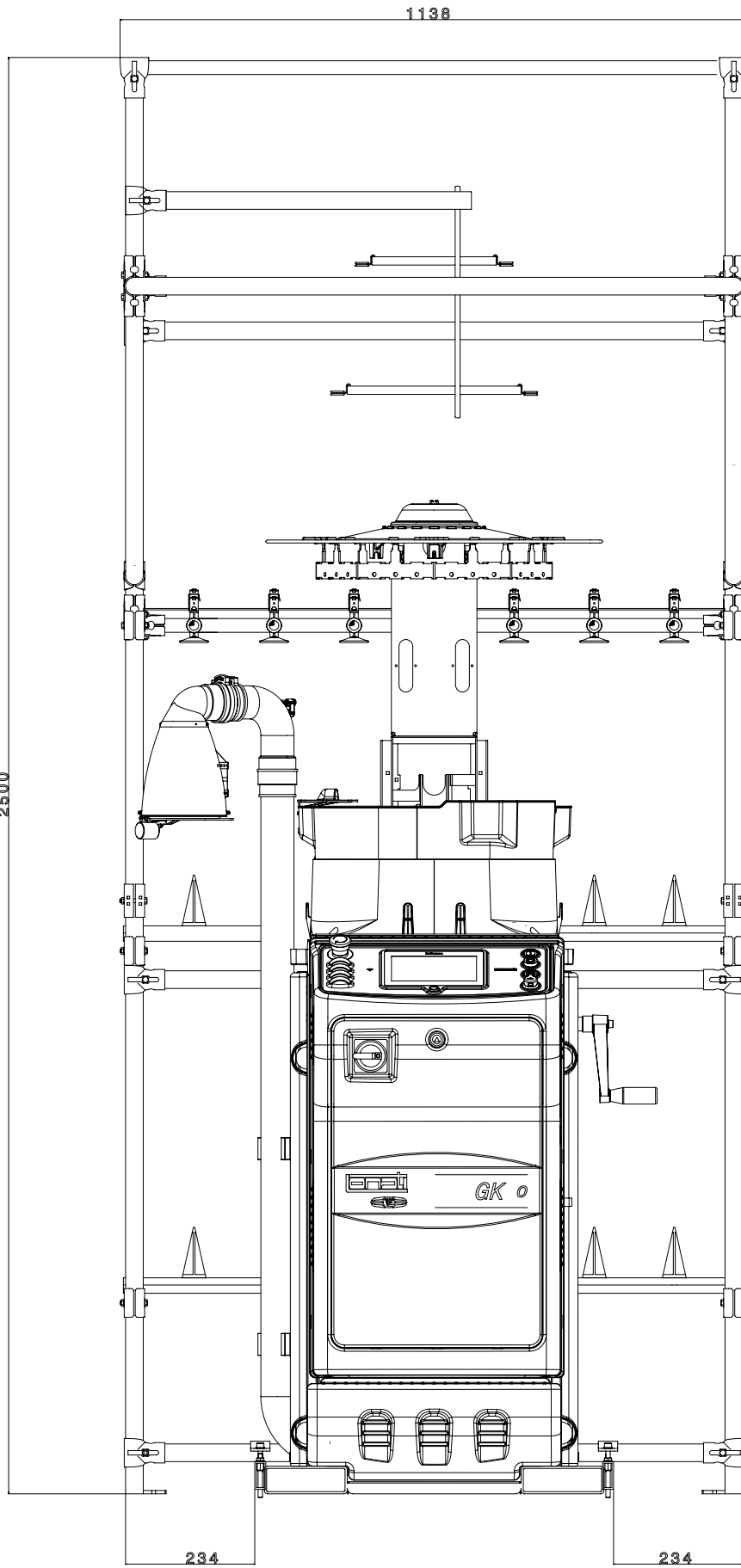
Foe seals, bearings etc: Lonati recommends:TechnolubeSeals Damping grease Nyogel 774F-1



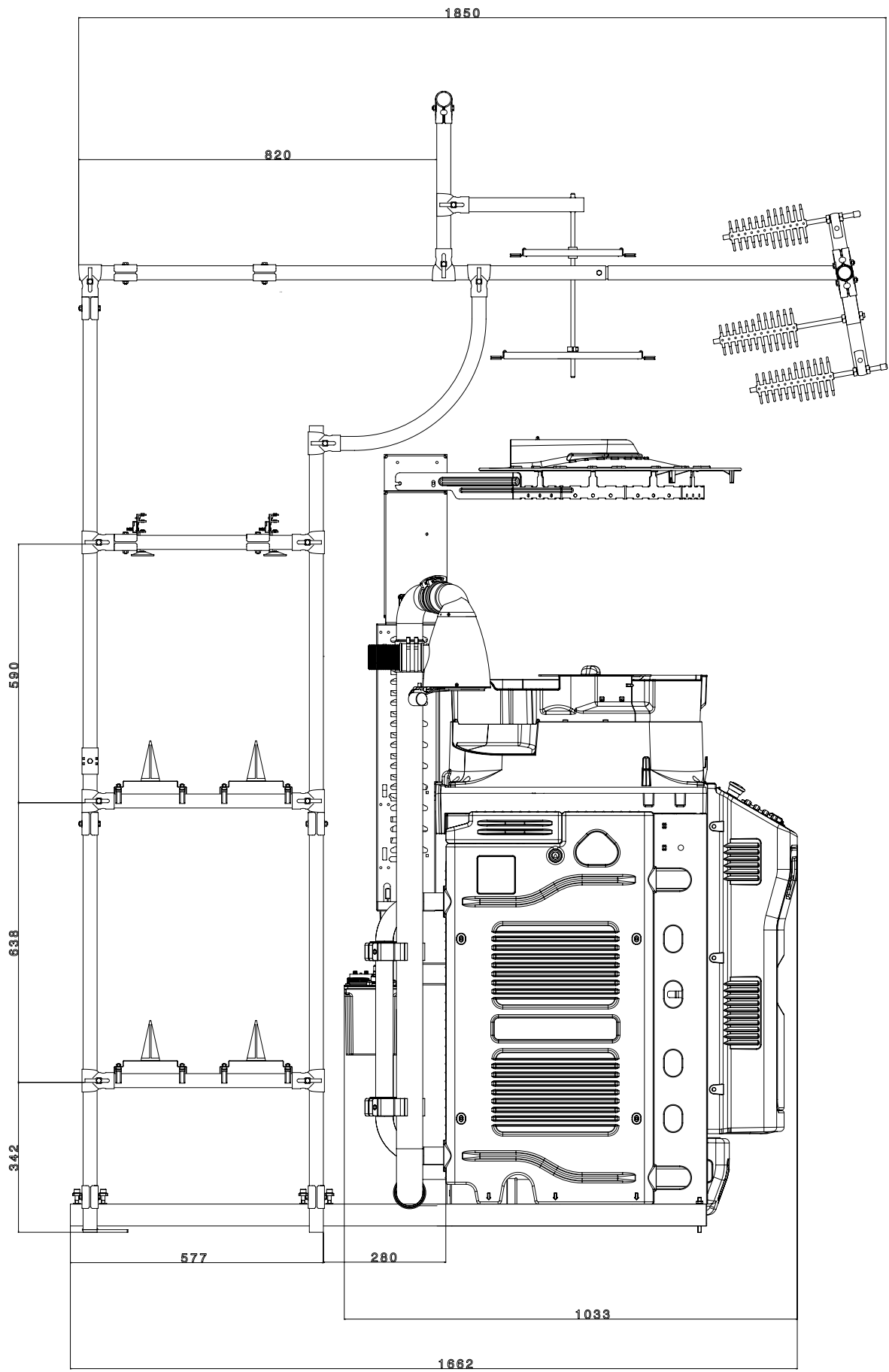
DESCRIPTION	CODE	NR. OF REELS	WEIGHT KG.	NOTES
Yarn creel	G1930040	28	20	Standard version
Yarn creel	G1930041	28	20	Version with BTR sensors



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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