

G E series
SINGLE CYLINDER
GE544S



SINGLE CYLINDER

GE544S



KNITTING HEAD

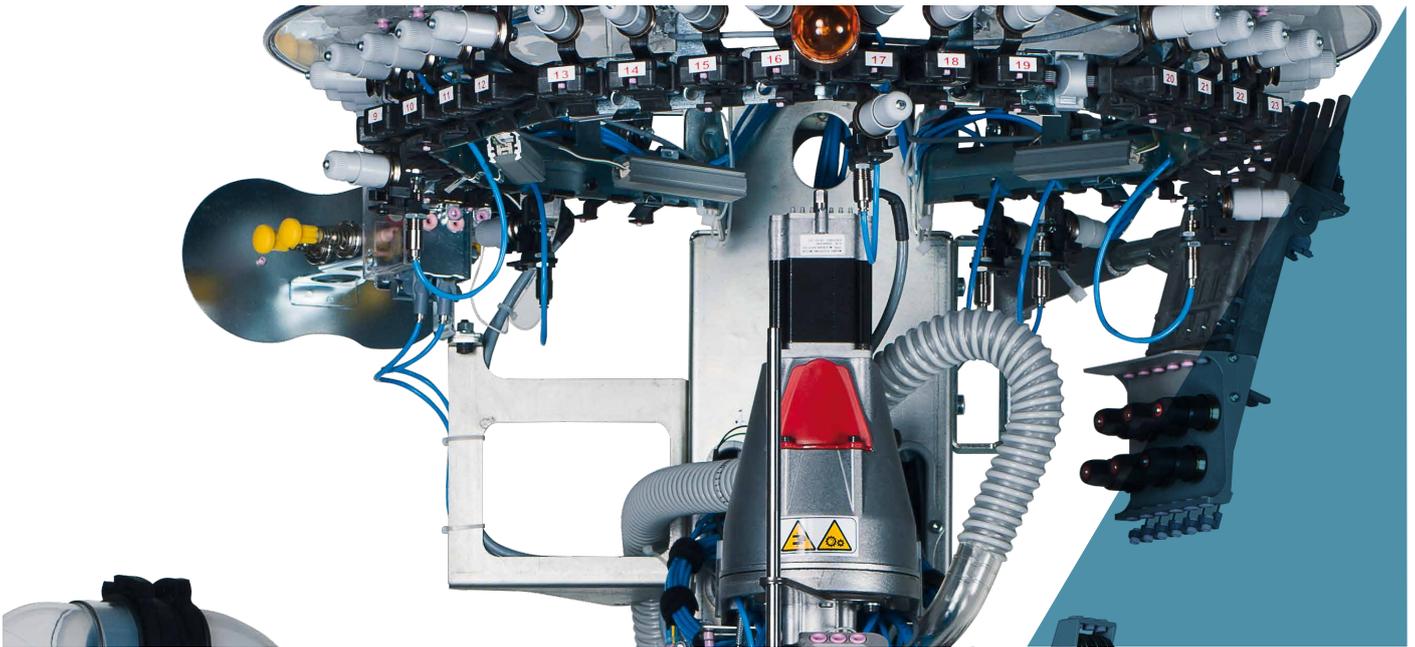
designed to knit high quality items and ensure constant reliability over time

SINKERS CAP

standard terry or plating

NEW ELECTRONICS

9" high resolution touch screen display. New user friendly interface. Ethernet, WiFi, NFC connections, Bluetooth is also available for future developments



All images in this brochure are indicative and not binding.

SINGLE CYLINDER GE544S

4 feeds single cylinder for men's socks machines are designed to offer maximum productivity. They are available in 4" diameter with different numbers of needles. New 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.

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

MACHINE DIMENSIONS



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

MACHINE WEIGHT



ca. 230 Kg

SINGLE CYLINDER

GE544S

TECHNICAL DATA

| MODEL | CYLINDER DIAMETER | GAUGE | NEEDLE THICKNESS |
|--------|-------------------|----------------------|-----------------------|
| GE544S | 4" | from 8 1/2 to 13 1/2 | 1.00 - 0.85 - 0.70 mm |

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STANDARD DEVICES

- Stepper motor electric dial with adjustable height
- Stitch cam feeds: 1,2,3,4 with 3 different heights.
- Motorized sinkers cap for sinker pressure and angular position
- 9" high resolution touch screen display
- Yarn sliding sensors guard cleaning device
- Heel yarn recover device with four positions
- 9 yarn fingers on first feed, 6 on second, third, fourth feed
- Yarn creel
- USB port
- Circular yarn cutter with mechanical stop
- Stepper motor controlled adjustable suction valve

MAIN OPTIONAL DEVICES

- LGL Eco Power or Eco Compact yarn storage feeder, also available with "Attivo" electronic brake version
- 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
- Recover yarn device, 6 positions
- Yarn trimming circular cutter with adjustable speed
- Led inspection lamps
- Dial with 5 pliers for bare or coated elastane
- Preparation for storage feeder "Unifeeder 2" by B TSR
- Ethernet board for connection to Dinema Nautilus data collector system
- Yarn sliding control sensors, Dinema ISPY
- 4 feeds for reinforced sole
- Pneumatic yarn tensioner for covered elastane
- Suction fan

POSSIBLE KNITTING

The standard machine can perform the following knittings

- 4 colors pattern plus ground color, tuck and float stitch, 1 feed, plain knit or terry
- 3 colors pattern plus ground color, mesh, tuck and float stitch, 1 feed, plain knit or terry
- With laid-in elastic: 2 colors pattern plus ground color, tuck and float stitch, 1 feed, plain knit or terry
- With laid-in elastic: 2 colors pattern plus ground color, mesh, tuck and float stitch, 1 feed, plain knit or terry
- Tuck and float stitch, jacquard, 4 feeds, plain knit or terry
- Elastic on 2 feeds, plain knit and terry
- Mesh on 2 feeds, plain knit and terry

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NUMBER OF COLORS

| | |
|------------------|------------------------------------------------|
| Number of colors | 4 colors on course plus ground color, one feed |
|------------------|------------------------------------------------|

PERFORMANCES

| | 4" CYLINDER |
|-------------------|------------------------------------------------------------------------------------------------------|
| KNITTING FEATURES | Patterns or selections or terry 300 rpm Plain knit without pattern, high speed sinker cap 350 rpm |
| 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 |
| GE544S | 4" | 84 | 88 | 96 | | 108 112 | | 116 120 | | 132 | | 144 | | 156 | | 168 | 176 |
| | | Needle thickness 1 mm | | | | | | | | | | | | | | | |
| | | 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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NOISE LEVEL (Maximum noise output for GE series models)

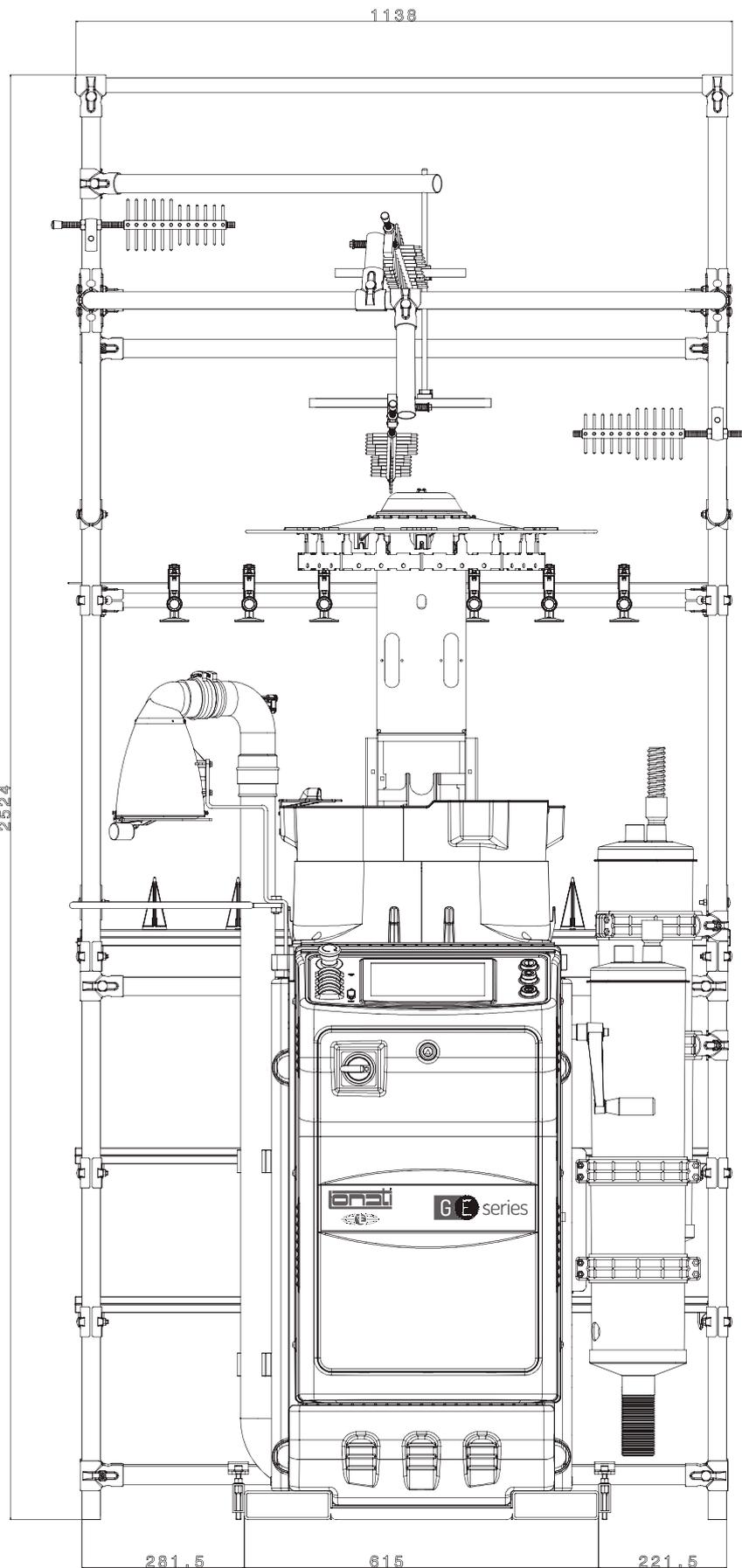
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

LUBRICANTS

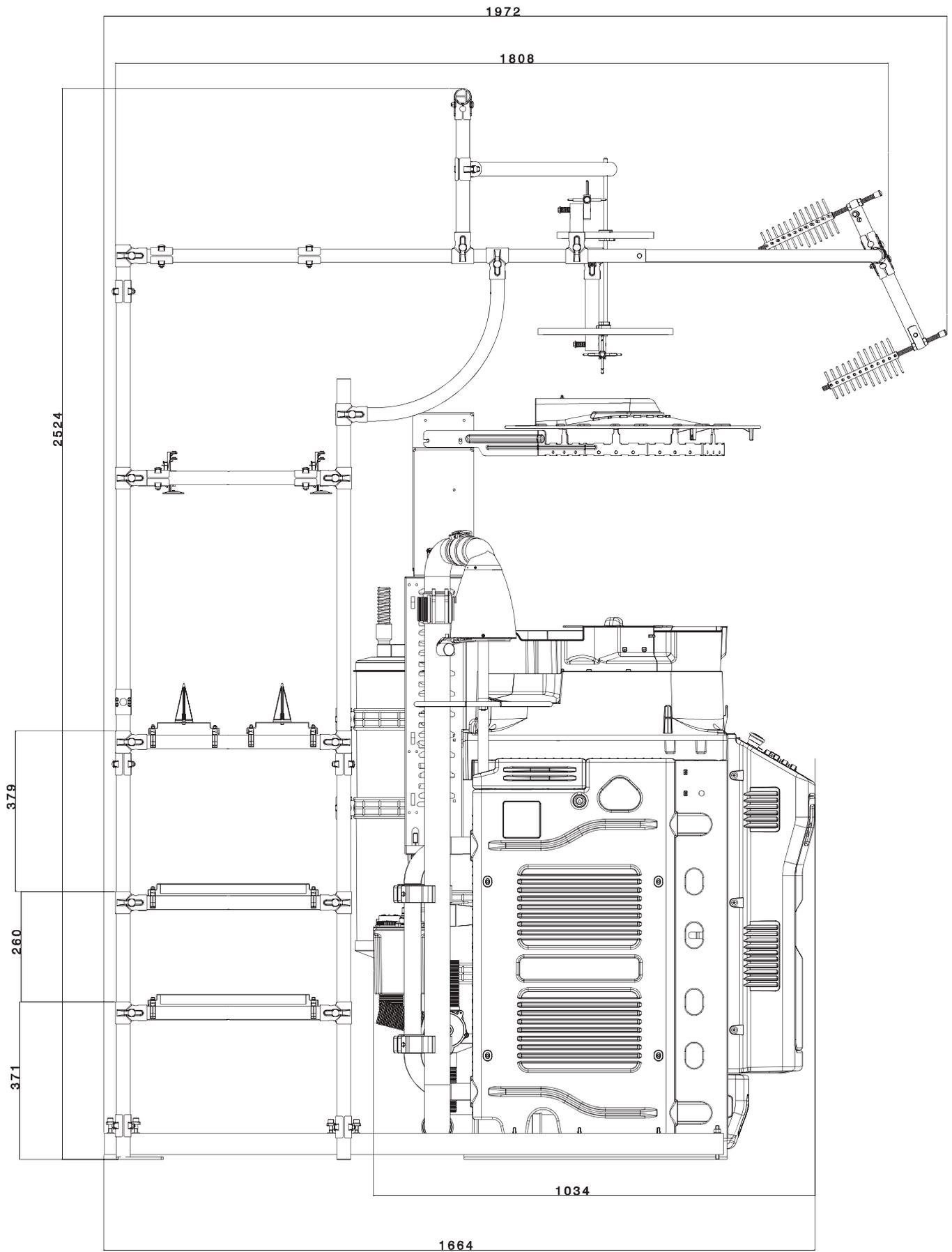
Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Renolin Trax 16C - VICKERLUBE SOCK 46

GREASE

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



| DESCRIZIONE | CODICE | NR. ROCHE | PESO KG. | NOTE |
|--------------|----------|-----------|----------|---------------------------------|
| Porta rocche | G3930706 | 23 | 20 | Versione standard |
| Porta rocche | G3930707 | 23 | 20 | Versione con antistrappo by BTR |



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