

WOMEN'S

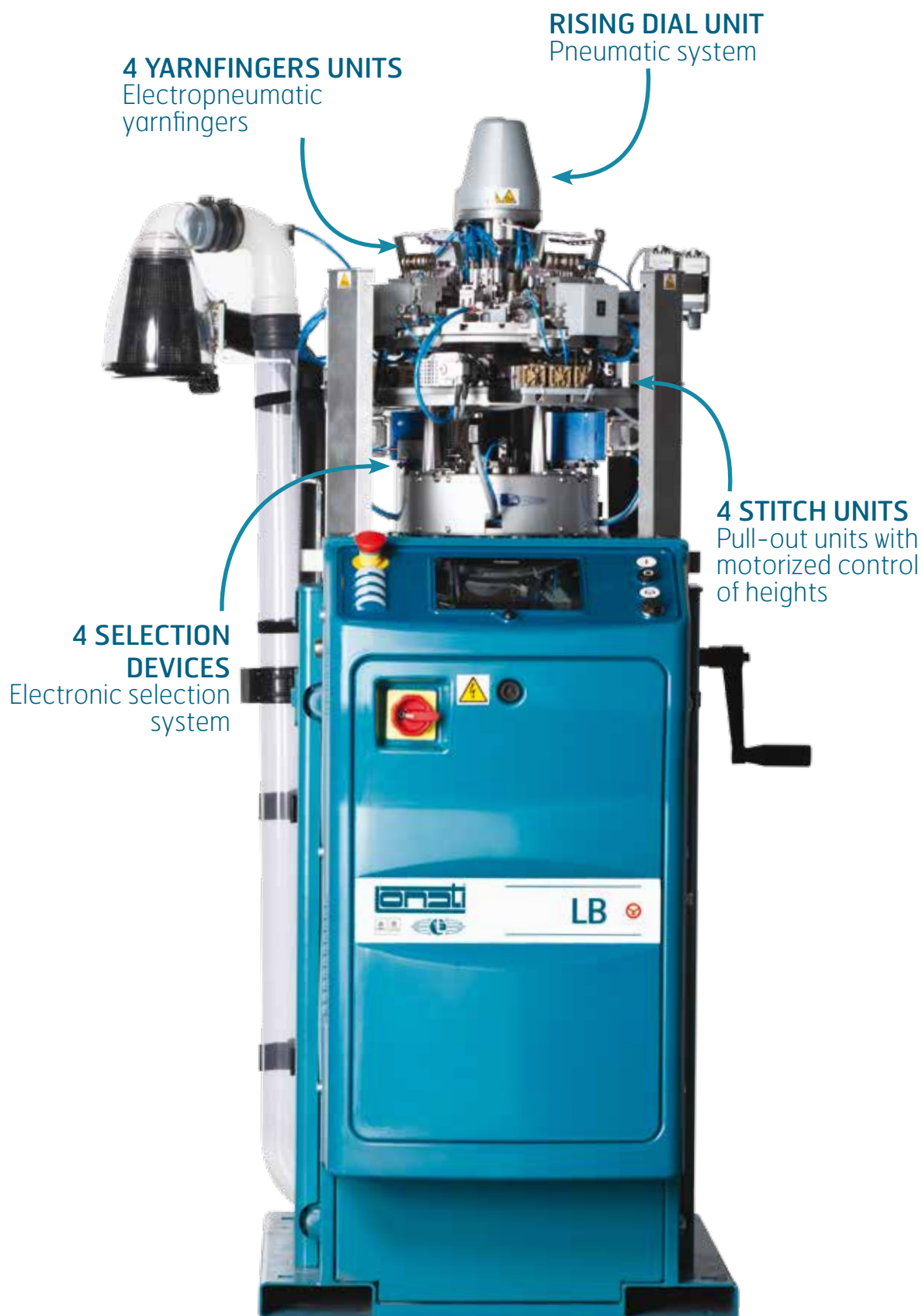
WOMEN'S SINGLE CYLINDER

LB04JS



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All images in this brochure are indicative and not binding.

WOMEN'S SINGLE CYLINDER LB04JS

Electropneumatic single cylinder 4 feeds machine for the production of knitted fabrics in natural fibers (cotton, wool, etc) with 1 needle-needle selection unit on each feed (4 in total) for the production of pantyhose and knee high with baguette, tucked and jacquard pattern. 5 yarnfingers with dual pneumatic control are available on each feed plus one plating motorized yarnfinger for angular movement and 2 pneumatic control for height and depth. Stitch cams are controlled by stepper motors to tighten or loosen stitches gradually or partially in any part of the sock. Mobile stitch cams to produce pantyhose and knee high with 2 colors on each course, cut boss. Single or double dial jacks. Electronic device to maintain size at any temperature on the machine.

- 4 feeds single cylinder machine
- 6 pliers suction unit
- 24 yarnfingers
- Motorized sinkers cap, 2 motorsi
- 4 stitch cams with motorized control of heights
- 1 pneumatic selection unit on each feed

MACHINE DIMENSIONS



Length 60 cm + yarn creel cm 145
Depth 60 cm + yarn creel cm 180
Height 136 cm + yarn creel 265 cm

MACHINE WEIGHT



Machine 230 kg
Yarn creel 48 kg

CERTIFICATION



Green
Label

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TECHNICAL DATA

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
LB04JS (Needle latch 7 mm)	4"	19	0.6 mm

Above data are indicative and not binding.

TECHNICAL FEATURES

- 42 reels "cotton" yarn creel;
- Sock ejection hood;
- Yarn waste filter;
- Stepper motor controlled suction valve;
- Rotary or fixed antitwist device;
- 4 pull-out stitch units with motorized height control;
- 6 pliers suction unit (plates, hooks and cut-pick);
- 8 yarn sliding sensors;
- Motorized radial plating on first yarnfinger ;
- Extra latch-opener for open-work mesh;
- Mechanical laid-in elastomer device on each feed;

OPTIONAL DEVICES

- DREAM or DREAM ONE device for stretching socks in ejection
- 2,2 Kw suction fan
- Ethernet board for connection to Dinema Nautilus data collector system
- Dinema YoYo yarn feeder, 12 max
- Dinema Plus medical or bare elastomer yarn feeders, 4 max
- Yarn sensors, 24 max
- Motorized rising dial unit
- Knit-in course device kit
- LGL unwind yarn device kit - 8 max

SUITABLE YARNS

The machine is designed to be used with the following yarns

- Cotton;
- Wool;
- Natural fibers yarn;
- Elastomers (bare, single or double cover);
- Filanca
- Nylon

POSSIBLE KNITTINGS

The standard machine can perform the following knittings

- Plain knit;
- 1:1, 3:1, 5:1, 7:1, 1:3 fixed mesh, micromesh and diagonal mesh;
- Several selections for vertical bands for cutting;
- Several pattern on 1:1, 2:2 etc, cut boss, bikini, pattern heel, pushup, etc.;
- Supp-hose on 2 or 4 feeds;
- Plating on plain knit on 2 or 4 feeds;

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NUMBER OF COLORS

Number of colors

- Working feeds 1-2-3-4: 1 color each course
- Working feeds 1-3 o 2-4: 2 colors each course
- Working feeds 4-1: 3 colors on feed 4 and 1 color on feed 1 each course
- Working feed 4: 4 colors on feed 4 each course

PERFORMANCES

	4" CYLINDER DIAMETER
GAUGE	from 10 to 32
KNITTING FEATURES	400 rpm maximum in pattern
	450 rpm maximum in plain knit without pattern
MAXIMUM SPEED	450 RPM

Above data are indicative and not binding.

DISCLAIMER:

speed may need to be adjusted according to the inclination of the stitch cams, to the mechanical parts in use and to the yarn.
N.B. All data in the brochure are for information only and subject to change without any prior notice from Lonati SpA.

ALLOWED PERFORMANCES

CHART OF MAXIMUM ALLOWED SPEED IN PLAIN KNIT IN RELATION TO THE INCLINATION TO THE STITCH CAMS	
Stitch cam inclination	Maximum allowed speed in plain knit
58°	450

NUMBER OF POSSIBLE COLORS ON EACH COURSE ACCORDING TO THE NUMBER OF WORKING FEEDS	
Working feeds	Number of colors
1° - 2° - 3° - 4°	1 each course
1° - 3° o 2° - 4°	2 each course
4° - 1°	Feed 4 (3 colors) feed 1 (1 color)
4°	4 each course

AVAILABLE CYLINDERS	
GG75-0,34	400
GG70-0,41	288 - 336
GG54-0,50	208 - 240 - 288
GG48-0,60	208 - 240 - 256
GG36-0,70	128 - 144 - 160 - 176

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DISCLAIMER:

All data related to maximum allowed mechanical speed may require to be reduced (to be adjusted according to functional tests on the machine) when using specific particular yarns and/or knitting features.

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ELECTRIC POWER CONSUMPTION

Machine maximum speed 400 r/m, "Average" standard pantyhose program for 1 hour.

MACHINE MODEL	CONSUMPTION kWh
LB04JS	0.380

COMPRESSED AIR CONSUMPTION

Gauge pressure 6 bar, humidity 0% dryer outlet temperature 18° C – 21° C. With pantyhose ejection blow and suction mouth cleaning.

MACHINE MODEL	CYCLE TIME	CONSUMPTION PER PANTYHOSE	CONSUMPTION PER MINUTE
LB04JS	200"	NI 42	NI 13

SUCTION CONSUMPTION

Cylinder = 650/700 mm/H2O - **Suction mouth** = 650/700 mm/H2O - **Average consumption for all models** = 3 m³/min.

NOISE LEVEL

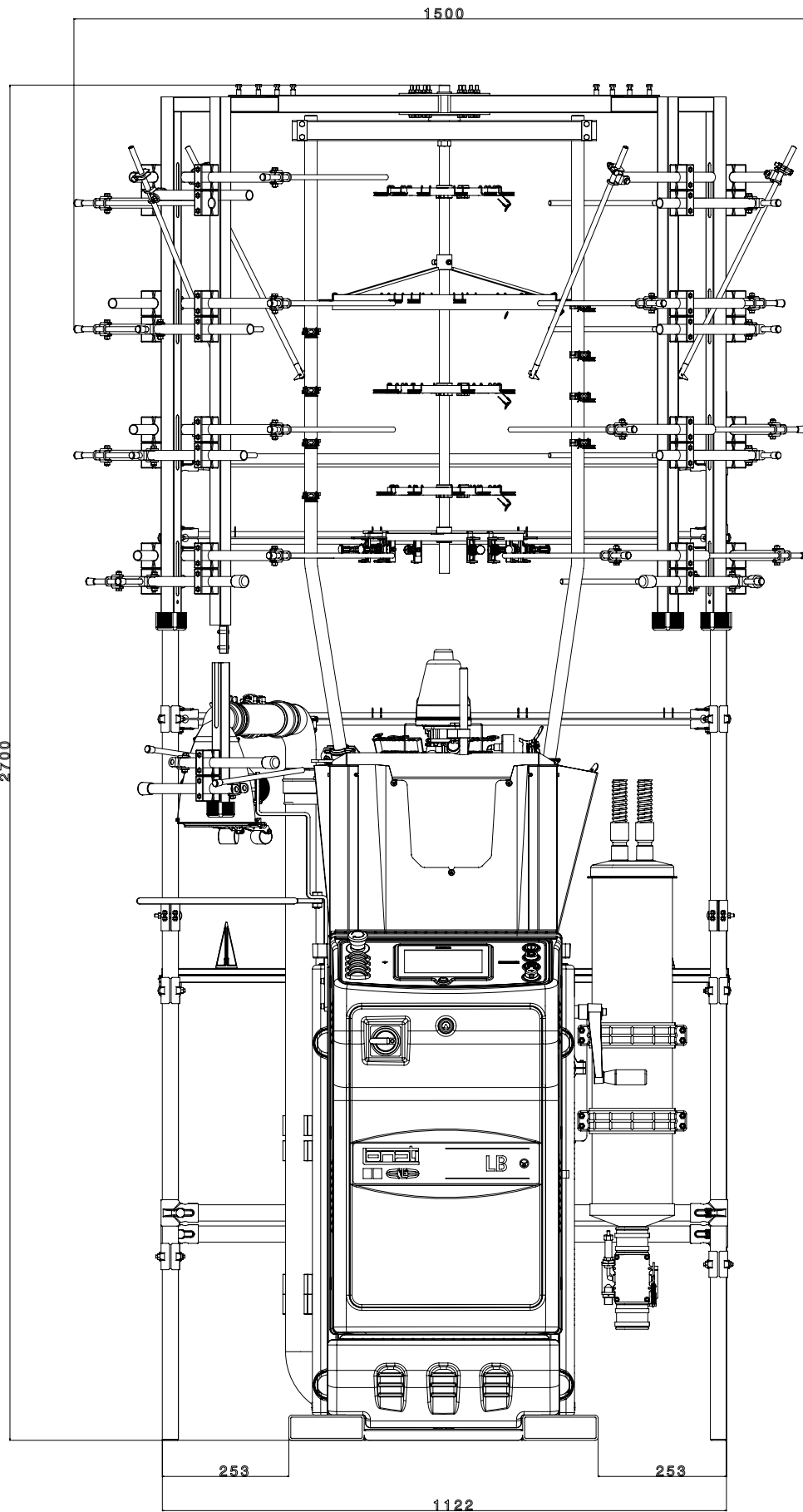
Machine average noise level, suction included LeqA = 74dBA

LUBRICANTS

Average consumption for 500/600 dozens: 1000 gr. - Lonati recommends: Fuchs Trax 14C - Kluber Tex Sintheso M32 – Esso Eil 0287

GREASE

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

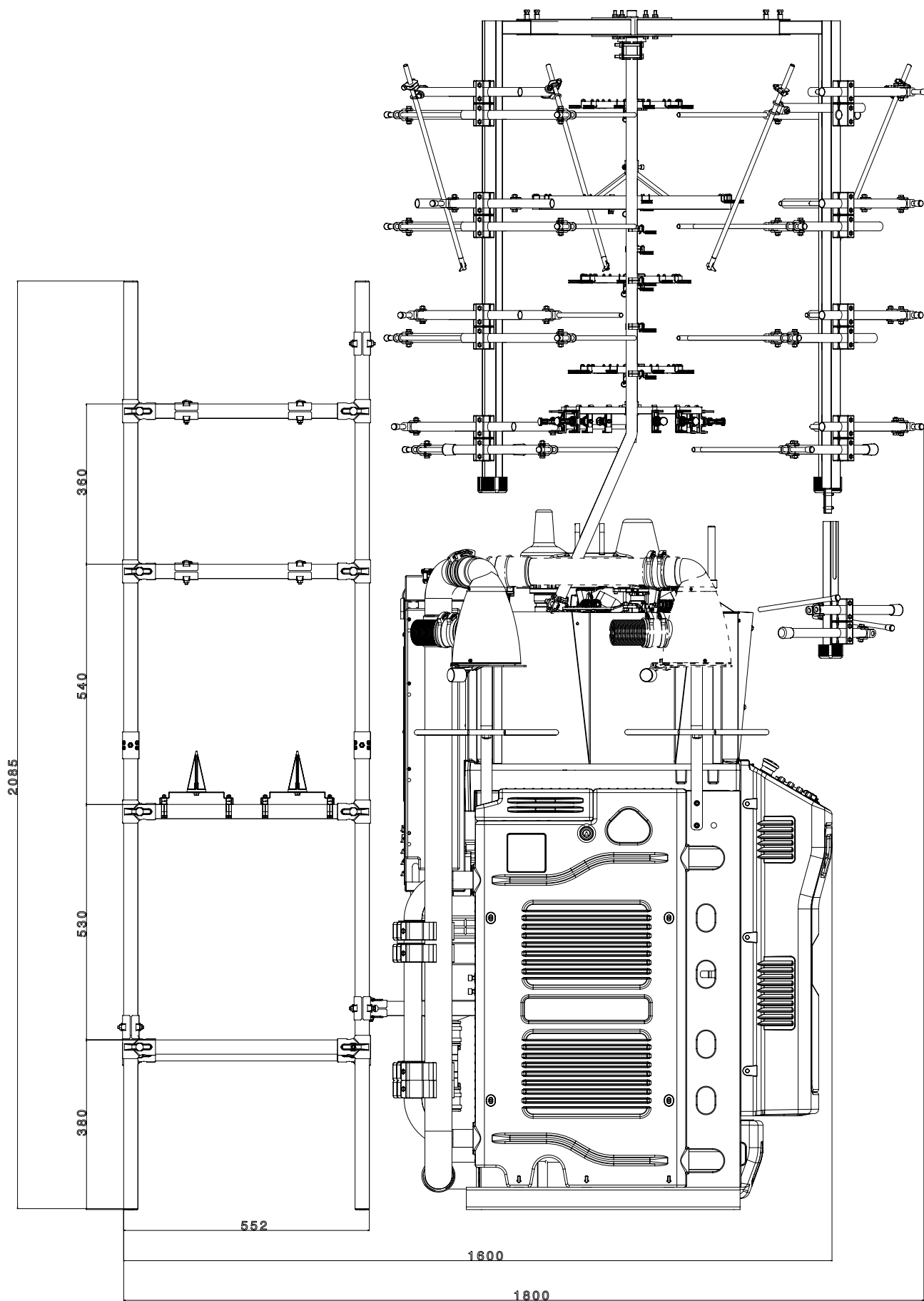


FRONT VIEW

Machine dimensions with cotton yarn creel

NOTE:

The picture may show fittings and equipment that are supplied on demand and not.



SIDE VIEW

Machine dimensions with cotton yarn creel

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