

[Instruction Manual]

Sodick WIRE-CUT EDM

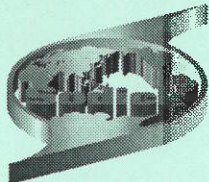
AQ400L(s)

AQ600L(s)

MACHINE TOOL · SUPPLY TANK

Before operating the machine, read this manual carefully and make sure that you fully understand the information it contains.

Appoint someone to be responsible for this manual and keep it in a designated place so that it is accessible at all times.



Total Manufacturing Solution

Sodick

Ver. 1.2

Original Instruction

SECTION 2 MACHINE SPECIFICATIONS AND INSTALLATION LAYOUT

2. AQ600L(s)

2-1. Machine Specifications

[1] Specifications of Machine Tool

Max. workpiece dimensions (width × depth × height)	790 × 550 × 300 mm (flushing) 790 × 550 × 250 mm (submerged)
Max. workpiece weight	930 kg (flushing) 790 kg (submerged)
Machining tank inside dimensions	1,135 × 890 mm
X-axis travel	600 mm
Y-axis travel	400 mm
Z-axis travel	300 mm
U-axis × V-axis travel	80 × 80 mm
Taper control angle (for workpiece thickness 80 mm)	±20° *
Wire electrode diameter	φ0.15 - φ0.3 mm
Wire feed speed	420 mm/sec
Wire tension	3 - 23 N
Machining method	Top & bottom flushing / submerged
Distance from the floor to the table top	1,000 mm
Wire bobbin weight	8 kg
Machine dimensions (width × depth × height) (including power supply unit and supply tank)	2,400 × 2,930 × 2,185 mm
Machine installation space (width × depth)	3,350 × 4,005 mm
Machine weight (Incl. machine, supply tank and power supply unit)	4,830 kg
Air supply pressure	0.5 MPa 30 NL/min
Electric capacity	3-phase, 50/60 Hz 13 kVA

* Nozzle replacement may be necessary.

SECTION 2 MACHINE SPECIFICATIONS AND INSTALLATION LAYOUT

[2] Supply Tank

External dimensions (width × depth)	L: 685 × 1,635 mm, R: 595 × 1,640 mm, sub tank: 400 × 1,930 mm
Tank capacity	875 (L: 360, R: 255, sub tank: 260) liters
Dielectric fluid filtration method	Replaceable paper filter (internal-pressure 2-cylinder type)
ECO-ION	Ion exchange resin (18-liter type)

Note: The specifications above are subject to change without notice.

SECTION 2 MACHINE SPECIFICATIONS AND INSTALLATION LAYOUT

2-2. General View of Machine

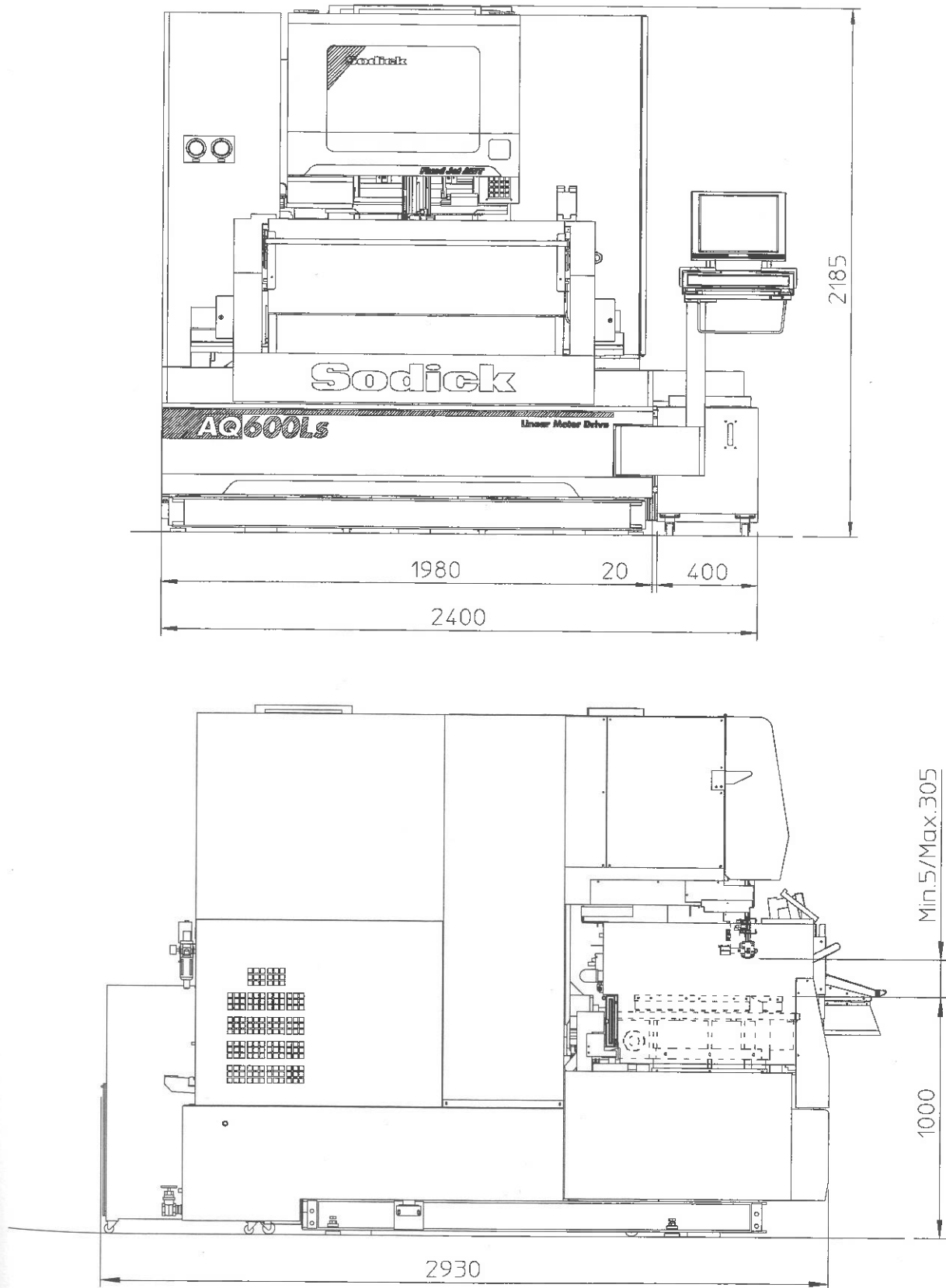


Fig. 2-5 AQ600L(s) External Drawing