

Dimensions for Installation



CNC- Profiling-Center

SOLID CNC CR500V

Power

Electric cable:	4-pole (3 x phase & 1 x protective ground)
Connected load:	50 kW
Electric current:	100 A
Pre-fuse:	125 A

Compressed Air

Nominal pressure - supply:	8 bar
Operating pressure - machine:	6 bar
Number of connections:	1 with an inside diameter of 25 mm
Min. diameter of fix installed supply (by client):	Ø 28 mm (1 1/4")

NOTE:

No bottlenecks (too small valves) shall be installed within the supply line.
Use only dry and filtered compressed air!

Required supplying quantity of the compressor:	700 l / min
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NOTE:

The supplying quantity must be selected larger if further machines / consumers are installed in the same supply line.

Min. container volume of the compressor:	200 l
Short-term peak value of the air consumption:	2500 l / min
Air consumption (averaged):	600 l / min

Extraction

Differential pressure	1.800 Pa
Required air velocity at the extraction sockets:	30 m/s
Number of extraction sockets Ø 140mm	7x (9x with an additional 5-axis spindle)
Height above ground:	6x 800mm (8x 800mm) / 1x 2900mm
Required air volume per socket Ø 140 mm:	1.680 m³/h
During operation active	6x (8x)
Socket for cleaning tube	1x
Total required air volume:	10.080 m³/h (13.440 m³/h)

Network

Type of connection:	RJ 45
Connection position:	Control cabinet (see abbr. EDV on the floor plan)