

SECTION 1 PLANER/MOULDER SPECIFICATIONS

1.1 Overall dimensions

See figure 1-1. The overall dimensions of the MP260 Planer/moulder are shown below (all dimensions in millimeters).

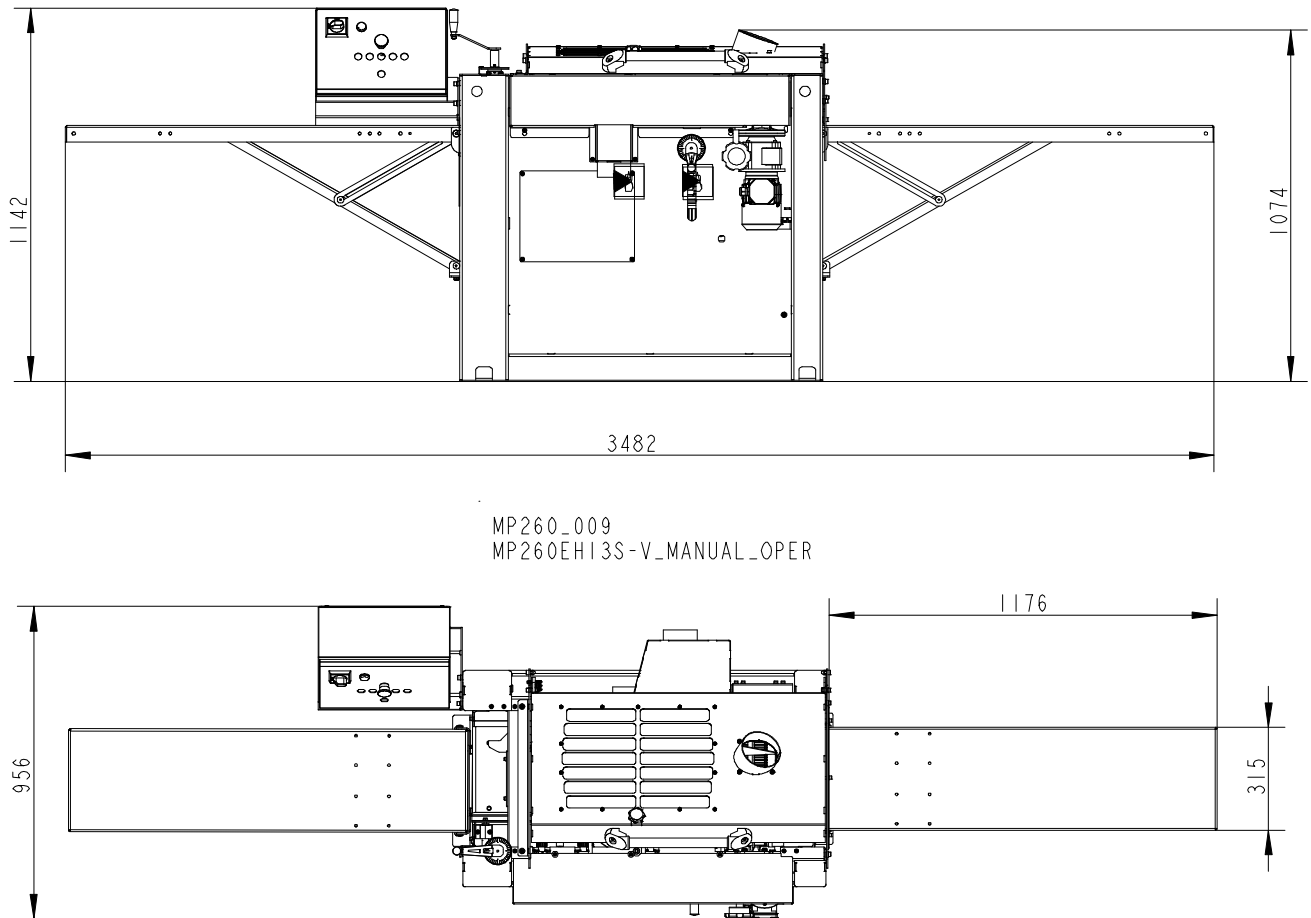


FIG. 1-1 MP260

PLANER/MOULDER SPECIFICATIONS

Specifications of the planer/moulder

1

See table 1-1. Weight of the MP260 planer/moulder are given in the table below.

Planer/moulder type	MP260
Weight	440 kg

TABLE 1-1

1.2 Specifications of the planer/moulder

See table 1-2. Wood-Mizer MP260 planer/moulder nomenclature is given in the table below.

	Volts
MP260EA10S-V MP260EA11S-V	1 ph 230V, CE Standard
MP260EA13U MP260EA13U-V	1 ph 230V, UL Standard
MP260EB12S MP260EB13S	3 ph 230V, CE Standard
MP260EB12U	3 ph 230V, UL Standard
MP260EB13U MP260EB13U-V	3 ph 230V, UL Standard
MP260EC13U MP260EC13U-V	3 ph 460V, UL Standard
MP260EH12S MP260EH13S-V	3 ph 400V, CE Standard

TABLE 1-2

See table 1-3. See the table below for specifications of the MP260 planer/moulder motors.

	MP260EH12S				
	Upper cutter motor specifications	Lower cutter motor specifications	Side, fixed cutter motor specifications	Side, movable cutter motor specifications	Feed motor specifications
Motor Type	Electric Motor	Electric Motor	Electric Motor	Electric Motor	Electric Motor
Rated Voltage	3x400V	3x400V	3x400V	3x400V	3x400V
Rated motor revolutions	2900 r.p.m.	2900 r.p.m.	2900 r.p.m.	2900 r.p.m.	2800 r.p.m.
Rated cutter revolutions	6000 r.p.m.	6000 r.p.m.	6000 r.p.m.	6000 r.p.m.	---
Rated power	4kW	3kW	3kW	3kW	0,37kW
Wood-Mizer Part #	532811	533644	533646	533646	533642

TABLE 1-3

1

PLANER/MOULDER SPECIFICATIONS

Specifications of the planer/moulder

MP260EB13U					
	Upper cutter motor specifications	Lower cutter motor specifications	Side, fixed cutter motor specifications	Side, movable cutter motor specifications	Feed motor specifications
Motor Type	Electric Motor	Electric Motor	Electric Motor	Electric Motor	Electric Motor
Rated Voltage	3x230V	3x230V	3x230V	3x230V	3x230V
Rated motor revolutions	2900 r.p.m.	2900 r.p.m.	2900 r.p.m.	2900 r.p.m.	2780 r.p.m.
Rated cutter revolutions	6000 r.p.m.	6000 r.p.m.	6000 r.p.m.	6000 r.p.m.	---
Rated power	4kW	3kW	3kW	3kW	0,37kW
Wood-Mizer Part #	537387-UL	537386-UL	537385-UL	537385-UL	533640-UL

TABLE 1-3

MP260EA12U					
	Upper cutter motor specifications	Lower cutter motor specifications	Side, fixed cutter motor specifications	Side, movable cutter motor specifications	Feed motor specifications
Motor Type	Electric Motor	Electric Motor	Electric Motor	Electric Motor	Electric Motor
Rated Voltage	3x460V	3x460V	3x460V	3x460V	3x460V
Rated motor revolutions	3480 r.p.m.	3480 r.p.m.	3480 r.p.m.	3480 r.p.m.	3340 r.p.m.
Rated cutter revolutions	7100 r.p.m.	7100 r.p.m.	7100 r.p.m.	7100 r.p.m.	---
Rated power	2,7kW	2,7kW	2,7kW	2,7kW	0,37kW
Wood-Mizer Part #	533651-UL	533651-UL	533651-UL	533651-UL	532808-UL

TABLE 1-3

See table 1-4. Feed rate

Planer/moulder type	MP260 with constant feed speed	MP260 with adjustable feed speed
Feed Speed	5 m/min	2-12 m/min

TABLE 1-4

See table 1-5. The noise level generated by Wood-Mizer planer/moulder is given in the table below^{1 2 3}

	Noise Level
Planer/Moulder MP260 Equipped with electric motor	L _{pA} = 82,2 dB (A) L _{WA} = 100 dB (A)

TABLE 1-5



IMPORTANT! The total value of hand-arm vibration the operator may be exposed to does not exceed 2.5 m/s². The highest root mean square value of weighted acceleration to which the whole operator's body is subjected does not exceed 0.5 m/s².

See table 1-6. See the table below for planing/moulding material specifications

	One-sided planing	Double-sided planing	Four-sided planing
Minimum Cant Height	10mm	10 mm	10 mm
Maximum Cant Height	230 mm	230 mm	100mm
Maximum Cant Width	410 mm	280 mm	260 mm

TABLE 1-6

1. The noise level measurement was taken in accordance with PN-EN ISO 3746 Standard . Value for associated uncertainty K=2.

2. The measured values refer to emission levels, not necessarily to noise levels in the workplace. Although there is a relation between emission levels and exposure levels, it is not possible to determine with certainty if preventives are needed or are not needed. Factors that influence the actual level of exposure of the workforce include the characteristics of the work room and the other sources of noise etc. i.e. the number of machines and other adjacent processes. Also, the permissible exposure level value may vary depending on country. This information enables the machine's user to better identify hazards and a risk.

3. The total value of hand-arm vibration the operator may be exposed to does not exceed 2.5 m/s². The highest root mean square value of weighted acceleration to which the whole operator's body is subjected does not exceed 0.5 m/s².

1 PLANER/MOULDER SPECIFICATIONS

Specifications of the planer/moulder

See table 1-7. Other specifications of the planer/moulder are listed below

Cutter Specifications	
Number of knife sockets	4
Upper cutter diameter	88 mm
Upper cutter width	410 mm
Upper cutter max. planing depth	4 mm
Upper cutter max. moulding depth	20 mm
Lower cutter diameter	72 mm
Lower cutter width	300 mm
Lower cutter max. planing depth	4 mm
Lower cutter max. moulding depth	10 mm
Side cutter diameter	90 mm
Maximum Height	40 mm
Side cutter max. planing depth	5 mm
Side cutter max. moulding depth	30mm
Cutter rotations	6000 r.p.m.
Knives Specifications	
Straight knife height "A"	20 mm
Straight knife thickness "B"	3 mm
Straight knife protrusion "C"	1 mm
Pattern knife protrusion "C"	depends on the knife thickness (see table 1-8)

TABLE 1-7

See figure 1-2.

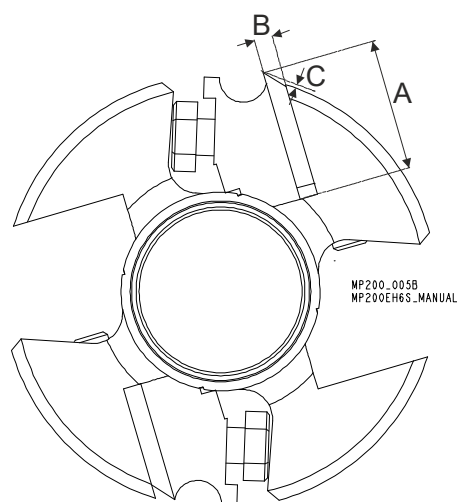


FIG. 1-2

See table 1-8. A relation between the pattern knife protrusion and the thickness is shown below.

Pattern knife thickness	Pattern knife max. protrusion ¹
3 mm	13 mm
4 mm	21 mm
5mm	29 mm

TABLE 1-8

¹ According to EN 847-1:2005 European Standard

1.3 Dust/Chip Extractor Specifications

See Table 1-9. Specifications of the dust/chip extractors used on the MP260 are listed below.

Airflow	4000 m ³ /h
Inlet diameter	3x100mm 1x125 mm
Motor power	3 kW
Number of sacks	4 pcs
Sack capacity	--
Recommended conveying air velocity in the duct	25 m/s

TABLE 1-9

The pressure drop between the inlet of the capture device and the connection to the CADES should be maximum 1,5 kPa (for the nominal air flow rate). If the pressure drop exceeds 1,5 kPa the machine might not be compatible with conventional CADES.



IMPORTANT! The dust extractor hoses must be grounded or made with materials not accumulating electrostatic charge.



CAUTION! Always turn on the dust extractor before starting the machine