

WIDOS 12000



1.4. Machine overview



No.	Denomination
1	Planer
2	Heating element
3	Protection box
4	Naked hydraulic aggregate (optional)
5	Enclosed hydraulic aggregate (optional)
6	Crane (optional)
7	Basic machine

1.5. Designation of the product

The product is designated by type labels which are attached at the aggregate, at the heating element, at the planer and at the basic machine.

They contain the type, the serial number and the year of construction of the machine.

1.5.1. Technical data

All important technical data of each machine part is listed.

This allows quick information on performance and installation.

WIDOS 12000 General data

Material which can be welded:	PP, PE80, PE 100, PVC
Pipe diameter range:	$\varnothing_{\text{outside}} = 710 - 1200$ mm
Weight (without accessories, without crane):	appr. 2.250 kg
Weight crane including holder:	appr. 510 kg
Emission	<ul style="list-style-type: none"> - Noise exceeding 80 dB (A) may occur; during planing it is obligatory to wear ear protection! - When using the named pipe materials and when welding below 260°C / 500°F no toxic damp arises
Ambient conditions in the welding area	<ul style="list-style-type: none"> - take care for cleanness (no dust at the welding area) - If secured by an appropriate measurement that allowed conditions for welding are indicated, it is possible to work in any outside temperature condition as far as the welder is not constrained in its manual skill. - avoid humidity, if necessary use a welding tent - avoid strong sun ray influence - protect from wind, shut the pipe ends

Basic frame

Material frame:	Structural steel
Material reduction inserts:	Steel
\varnothing cylinder / \varnothing piston rod:	63 mm / 32 mm
Cylinder stroke length:	450 mm
Max. force ($F = P \times A$):	46 kN (at p= 100 bar)
Weight	appr. 1400 kg
Movement speed:	1.15 / 2.27 cm/s

Hydraulic aggregate naked (optional)

Feeding:	CEE 63 A
Power:	23 kW
Voltage:	400 V (+-10%)
Frequency:	50 Hz
Hydraulic oil tank:	appr. 10 L
Insulation system	IP 54
Electromotor and pump:	
Speed:	1400 rpm
Max. working pressure of pump:	appr. 160 bar
Working pressure:	0-160 bar adjustable
Volume flow rate:	3.2 / 6.3 L/min
Weight:	appr. 45 kg

Hydraulic aggregate enclosed (optional)

Feeding:	CEE-63 A – phase converter
Power:	31 kW
Voltage:	400 V (+- 10%)
Frequency:	50 Hz (+- 10%)
Safety class:	IP 54
Displacement of phase:	appr. 18°
Electric motor and pump:	
Power:	1,5 / 2 kW
Current:	5,2 / 4,0 A
Speed:	1450 / 2900 (U/min)
Max. working pressure of pump:	appr. 160 bar
Operating pressure:	0- 160 bar adjustable
Working pressure:	3,8 L / min
Volume velocity:	appr. 10 l
Weight:	appr. 55 kg

Heating element

Feeding:	CEE 63A
Power:	23 kW
Voltage:	400V (+-10%)
Current:	100 A (+-10%)
Frequency:	50 Hz
Outside-Ø:	1280 mm
Surface:	anti-stick coated
Attached elements:	<ul style="list-style-type: none"> - Electronic temperature control - Control lamps, on/off-switch - Connecting cable with plug
Weight:	appr. 172 kg

Planer

Feeding:	CEE 16A – motor protector
Motor:	Three-phase alternating current motor
Power:	4.0 kW
Voltage:	400 V (+-10%)
Nominal current:	9,1 A
Frequency:	50 Hz (+-10%)
Speed:	appr. 12 rpm
Weight:	appr. 500 kg
Attached elements:	<ul style="list-style-type: none"> - Connecting cable with plug - On / OFF switch - Locking device

Reception box

Dimension:	appr. 1540 x 1050 x 1370 mm
Weight:	appr. 110 kg