



Smart Hot-Air Unit 30–50 kW

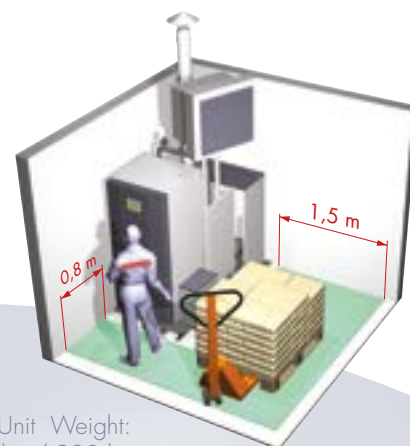
Wood Pellet Air Handling Biomass Boiler Unit

- Steel supporting pallet and covering structure
- Automatic Wood Pellet Boiler with automatic cleaning and deashing
- Efficiency >90 %
- Output Modulation 30–100 %
- 400 l fuel bin
- Electronically controlled Hot-Air fan unit with 0–270° movement
- Complete chimney supply
- Complete hydraulics supply
- Special operation visualisation
- Mobile phone control
- Internet control

Smart Hot-Air Unit 30–50 kW

Installation Space Requirements:

Smart Hot-Air Unit Dimensions:
1 900 x 1 130 x 2 885 mm



Smart Hot-Air Unit Weight:
815 kg / 920 kg

Thermal and technical parametres	Unit	Smart Hot-Air Unit 30 kW	Smart Hot-Air Unit 50 kW
Rated output	kW	29	49,5
Output range	kW	8,6–29	14,6–49,5
Fuel consumption	kg x hrs-1	1,9–6,6	3,44–11,63
Effeciency (rated output)	%	90,9	90,4
Flue Gas temperature rated output	°C	94–148	110–153
Class of the boiler		5	5
Burning time min/rated output (based on fuel storage of 250 kg)	hours	147–42	80–24
Technical parameters of products			
Weight	kg	815	920
Water content	litres	140	190
Flue duct diameter	mm	150	160
Dimension (widthxdept) excluding ash box	mm	1130 x 1900	1130 x 1900
Maximum water presure	bar	up to 3	up to 3
Required flue draught	mbar	0,1–0,2	0,1–0,3
Recommendeded operating temperature of heating water	°C	60–80	60–80
Lowest temperature of incoming water	°C	55	55
Sound power level	dB	57	57
Output power 70/50 °C, 10 °C	kW	32,48	53,91
Air circulation range in open space	m	22,5	17,5
Middle level of sound pressure	dB	64,5	67,2
Electrical parametres of products			
Connection voltage		230VAC ±10%, 50Hz ± 2Hz	230VAC ±10%, 50Hz ± 2Hz
Maximum electrical input – ignition	V	1200	1200
Electrical protection of the control unit		IP54	IP54
Electrical protection of the boiler wiring		IP20	IP20
Fuel and it's parametres			
Wood pellets diameter	mm	6,0–8,5	6,0–8,5
Calorific value	MJ/kg	approximately 16–18	approximately 16–18
Water content		Up to 10 %	Up to 10 %
Ash content		Up to 1 % (0,8–1,0 %)	Up to 1 % (0,8–1,0 %)

Smart Hot-Air Unit Delivery Description:

- Compact steel supporting pallet for easy handling & positioning
- Smart 30/50 kW Wood Pellet Boiler
- 250 kg fuel store including fuel auger
- 2 000 mm 3-layers chimney set
- Ho-Air fan unit with 0–270 degree movement range
- Circulation pump
- Drain valve
- Pressure control
- Expansion tank
- Pressure release valve
- Automatic control vent
- Heat meter – Optional

Smart 30/50 kW Wood Pellet Boiler Features:

- Steel construction with heavy duty coxite coating for long life
- Multiple fuelling options: auger, vacuum or manually fed
- Advanced Control Unit for automatic operation
- High efficiency – over 90 %
- Output Modulation from 30–100 % depending on actual heat demand
- Cast Iron burner construction with exchangeable burner surface
- Automatic electrical ignition
- Self-cleaning, vertical turbulator heat exchanger
- Safety thermostat with automatic cut-off
- Automatic de-ashing c/w wheelie ash bin
- Remote Monitoring via Internet or GSM
- Integral flue fan – Optional

Special Operation Visualisation:



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