

Orte Power Pellets Air Heater 24-250 kW

ADVANTAGES



Dust-gas emission EN 303-5:2012

Green heating



Pellets



Prod. Service



Steel



WiFi / GSM



Burner efficiency



Safety systems



Independent appliance with automatic lighter, self cleaning burner with efficiency over 92%.

Self-cleaning burner

The heater is being cleaned automatically thus warranting proper burning conditions and saving your effort.

Automatic lighting

The heater switches off automatically in the case when there is no more demand for heat. When the demand is detected further on, the heater will light automatically and start regular operation.

Economy

Pellets air heaters reduce heating costs compared to:

- propane gas - over 65%,
- oil - over 65%,
- gas - over 25%.

There is no need to instal or change already existing heating installation.

Ecology

Advanced control system, effective heat exchange, ecological fuel-pellets warrant low emissions of CO₂ and other environmentally hazardous substances. No inconvenient smells.

Orte Power Air Heater 24-250 kW with automated fuel feeding meets the requirements of dust-gas emission contained in PN-EN 303-5:2012 for 5th class.

USAGE

All kinds of buildings: residential, offices, service, industrial (warehouses, workshops), sports (tennis and sports halls), outbuildings (farm, greenhouses) and many others.

**FUEL DELIVERY
COMPREHENSIVE SUPPORT
HELP LINE 24/7**

**We Cut
Heating Costs
up to 70%**

*Heart of
Heating System*



PELLETS AIR HEATER

ORTE HEATER 24-250 with LPGN controller TECHNICAL INFO:

TYPE	Orte Power 24	Orte Power 35	Orte Power 45	Orte Power 80	Orte Power 130	Orte Power 250
TECHNICAL DETAILS						
Power delivered with fuel (kW)	24	35	45,5	80	131,1	246
Power nominal/max.	21	30	38,4	70	117	202,2
Power partial/min.	7	10	13,5	20	34	63,3
Emission class due to EN 303-5:2012	5	5	5	5	5	5
Efficiency for power max (%)	88	86	84,6	86	89	82
Efficiency for power min (%)	95	94	94	90	92,2	86,2
CO emission for power max. (mg/m3)	213	221	209	268	327	199
CO emission for power min. (mg/m3)	277	250	277	332	388	454
Voltage (V)	230	230	230	230	400	400
Air flow (m3)	1500	2100	3400	4100	7600	15200
Depth (mm)	880	880	880	1020	1170	1400
Width (mm)	510	510	510	553	710	1000
Height (mm)	1705	1705	1705	1900	2050	2630
Weight (kg)	124,5	125	138	170	380	550
Fuel consumption (kg/h)	4,8	7,5	9,2	17,2	25,25	49,45
Length of the feeder (m)	1,8	1,8	1,8	1,8	1,8	1,8
Ventilator force (W)	499	595	595	635	1785	3585
Max. power consumption (W)	600	711	796	836	1986	3786
Waste gas temperature for power max. (°C)	190	220	244	235	226	290
Waste gas temperature for power min. (°C)	80	90	91	100	109	172
Waste gas stream for power max. (g/s)	18	26	28	51	73	167
Waste gas stream for power min. (g/s)	6	9	10	20	30	64
Diameter of the waste gas channel (mm)	150	150	150	150	200	250
Temperature safety limit (°C)	90	90	90	90	90	90
Chimney draught needed for power max. (Pa)	30	36	38	41	42	50
Chimney draught needed for power min. (Pa)	20	20	20	31	30	36

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Required protection (A)	5	5	5	5	10	10
Frequency (Hz)	50	50	50	50	50	50
Noise level within 1 meter (dB)	45	53	56,7	58,4	75,1	77,2
Safety Systems	4	4	4	4	5	5
The minimal amount of air required to proper combustion of the fuel (m3)	80	90	120	225	300	600
IP protection	IP20	IP20	IP20	IP20	IP20	IP20
HOPPER	270 l.	270 l.	270 l.	480 l.	480 l.	750 l.
BURNER						
Steel quality: 1.4828	s	s	s	s	s	s
Cilindric burner	s	s	s	s	s	s
Furnace made of heat-proof steel	s	s	s	s	s	s
Chute burner	s	s	s	s	s	s
Automatic ash removing	s	s	s	s	s	s
Ventilator	s	s	s	s	-	-
Pressure Ventilator	-	-	-	-	s	s
Gear motor x 2 pieces	s	s	s	s	s	s
Photocell – flame detection control	s	s	s	s	s	s
Grill for pellet burning	s	s	s	s	s	s
AUTOMATIC EQUIPMENT						
Heater temperature sensor	s	s	s	s	s	s
Burner temperature sensor	s	s	s	s	s	s
Main off-switch	s	s	s	s	s	s
Safety switch	s	s	s	s	s	s
Indicator light	s	s	s	s	s	s
Temperature sensor	s	s	s	s	s	s
Enlargement possibility (extra modules)	s	s	s	s	s	s
Cooperation with GSM module or Wi-Fi	s	s	s	s	s	s
AUTOMATIC CONTROLLER – POSSIBILITIES						
Feeder steering	s	s	s	s	s	s
Burner feeder controller	s	s	s	s	s	s
Pressure ventilator controller	s	s	s	s	s	s
Igniter controller	s	s	s	s	s	s
Heater ventilator controller	s	s	s	s	s	s
AUTOMATIC SYSTEMS						
5-steps burner modulation	s	s	s	s	s	s
Fuel choice (3 possibilities)	s	s	s	s	s	s
Alternative function – “boiler mode”	s	s	s	s	s	s
Output testing	s	s	s	s	s	s
Simple menu	s	s	s	s	s	s
Advance menu	s	s	s	s	s	s
Alarm codes	s	s	s	s	s	s
Service mode	s	s	s	s	s	s
Multi languages	s	s	s	s	s	s

s- standard

Producer may change technical info in offer without prior information.

Prices are valid till 30 12 2017:

TYPE	Orte Power 24	Orte Power 35	Orte Power 45	Orte Power 80	Orte Power 130	Orte Power 250
Power range	7/24	10/35	14/45	24/80	39/131	75/246
NET PRICE	3 571 Euro	3 902 Euro	4 390 Euro	5 609 Euro	9 512 Euro	14 634 Euro