

Datasheet

BM-050

Vertical hot air generator with pellet operation




Technical data

| | DESCRIPTION | UNITS | DATA |
|---------------------|------------------------------|-------------------|------------------------|
| DATA TECHNICIANS | Rated power | kW | 43,00 |
| | Thermal performance | % | 90 |
| | Useful power | kW | 38,70 |
| | Airflow | m ³ /h | 3.900 |
| | Static pressure available | Well | 100 |
| | thermal jump | °C | 28 |
| | Sound level | dB(A) 3m | 60 |
| | Fan type | - | TMD-12/12 6P M 0,75 Kw |
| | Engine power | kW | 0,75 |
| | Electric tension | - | 230-I-50Hz |
| | Working temperatures | °C | 35 a 90 |
| FUELS | Pellet (4.60 kW/kg) | Consumption kg/h | 9,34 (*) |
| | Volume needed for combustion | m ³ /h | 59 |
| DIMENSIONS | Overall dimensions | mm | Consult plan |
| | Extractor outlet | mm | Ø80 |
| | Recommended fireplace | mm | Ø120 |
| | Air supply section | mm | 650x490 |
| | Side suction section | mm | 651x287 |
| | Weight | Kg | 335 |
| CERTIFICATES | | | EC - 2016/2281 |

(*) Consumption at nominal power. With room thermostat control, consumption is reduced by 30%

METALURGICA MANLLEUENSE, SA y Tel. +34 93 851 15 99 y www.metmann.com
 C/Fontcuberta, 32-36 y 08560-Manlleu (Barcelona) SPAIN

Get In Touch

 Call: 0845 6880112
 Email: info@adremit.co.uk

Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
 Settle, North Yorkshire, BD24 9RH

Datasheet

BM-050

Vertical hot air generator with pellet operation

Constructive details

The BM-050 hot air generators are prepared to operate with granulated biomass such as pellets. Its construction characteristics are:

- AISI-304 stainless steel combustion chamber and carbon steel exchanger
- Exterior panel in galvanized steel and painted in polyester powder
- Thermal insulation in the areas most exposed to heat
- Centrifugal fan with integrated motor with low noise level and high efficiency IE3
- Electrical control and safety panel according to European regulations
- Control thermostats and safety (Fan/Burner/Thermal safety)
- Room thermostat
- Smoke extractor to ensure correct depression of the combustion chamber.
- Fuel tank with a capacity of 190 liters or optionally 400 liters.
- Folding front door to access the combustion chamber and heat exchanger
- Automatic ash discharge with auger and collection drawer.

air diffusion

The equipment can be prepared to apply a duct network or with:

- Rotating discharge mouths
- Special ducts (curves, pants, hoppers, etc...)

Air filtration

To prevent the treated air from transporting dust particles, they can be provided with type G4 air filters or according to specifications.

Special manufacturing

Our status as manufacturers allows us to adapt to the needs of each client and we can supply the equipment with:

- Customized air flows and pressures
- Completely stainless steel finish
- High temperature equipment
- Special electrical panels
- Etc.

Certificates

Our hot air generators have the following certificates

- CE Certificate
- Regulation 2016/2281 ecological design

METALURGICA MANLLEUENSE, SA y Tel. +34 93 851 15 99 y www.metmann.com
C/Fontcuberta, 32-36 y 08560-Manlleu (Barcelona) SPAIN



Get In Touch

 Call: [0845 6880112](tel:08456880112)
 Email: info@adremit.co.uk

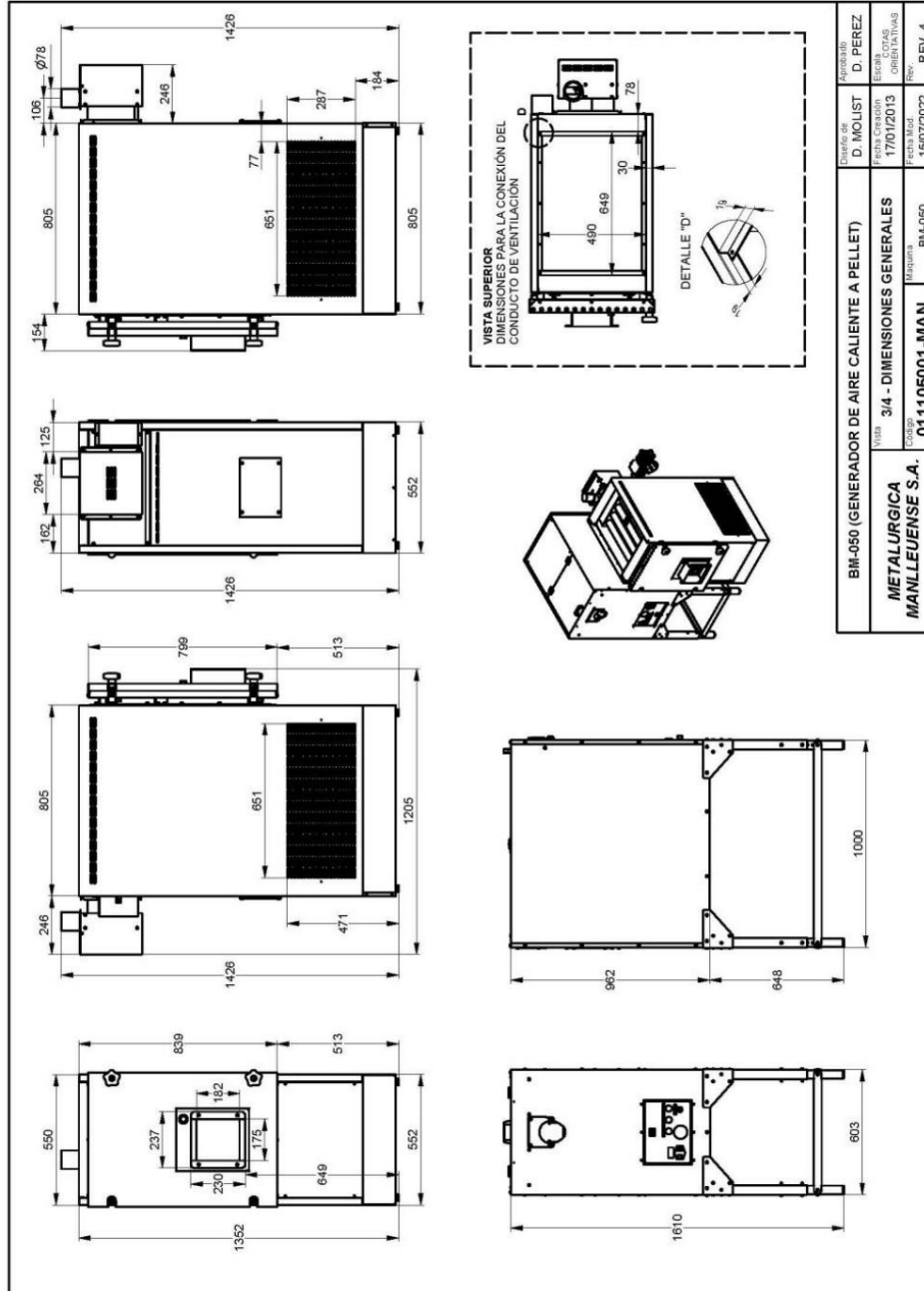
Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
Settle, North Yorkshire, BD24 9RH

Datasheet

BM-050

Vertical hot air generator with pellet operation
General dimensions (for ducts)



METALURGICA MANLLEUENSE, SA y Tel. +34 93 851 15 99 y www.metmann.com
C/Fontcuberta, 32-36 y 08560-Manlleu (Barcelona) SPAIN

Get In Touch

Call: 0845 6880112
Email: info@adremit.co.uk

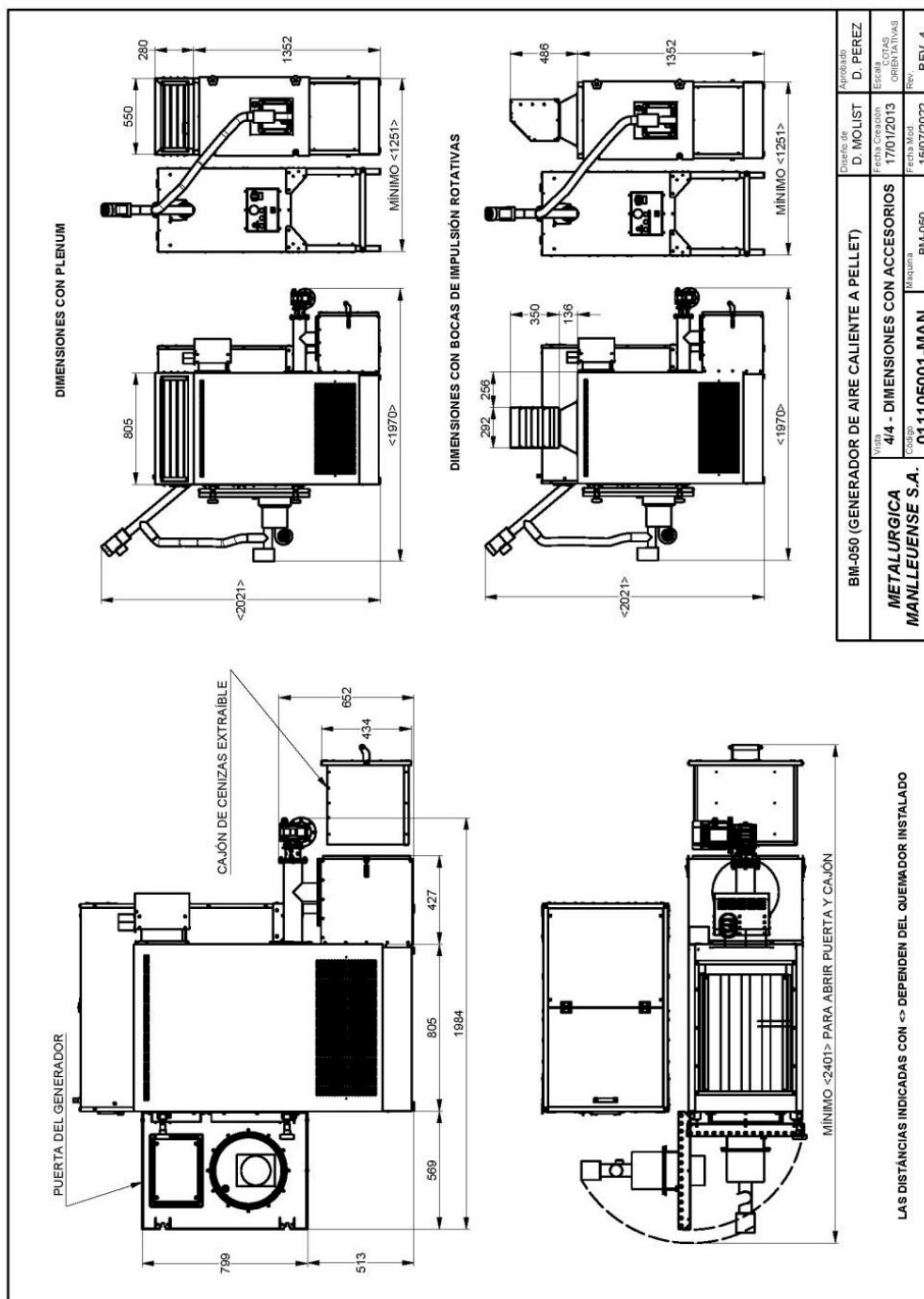
Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
Settle, North Yorkshire, BD24 9RH

BM-050

Vertical hot air generator with pellet operation

General dimensions (plenum and rotating openings)



METALURGICA MANLLEUENSE, SA y Tel. +34 93 851 15 99 y www.metmann.com
C/Fontcuberta, 32-36 y 08560-Manlleu (Barcelona) SPAIN

Get In Touch

Call: 0845 6880112
Email: info@adremit.co.uk

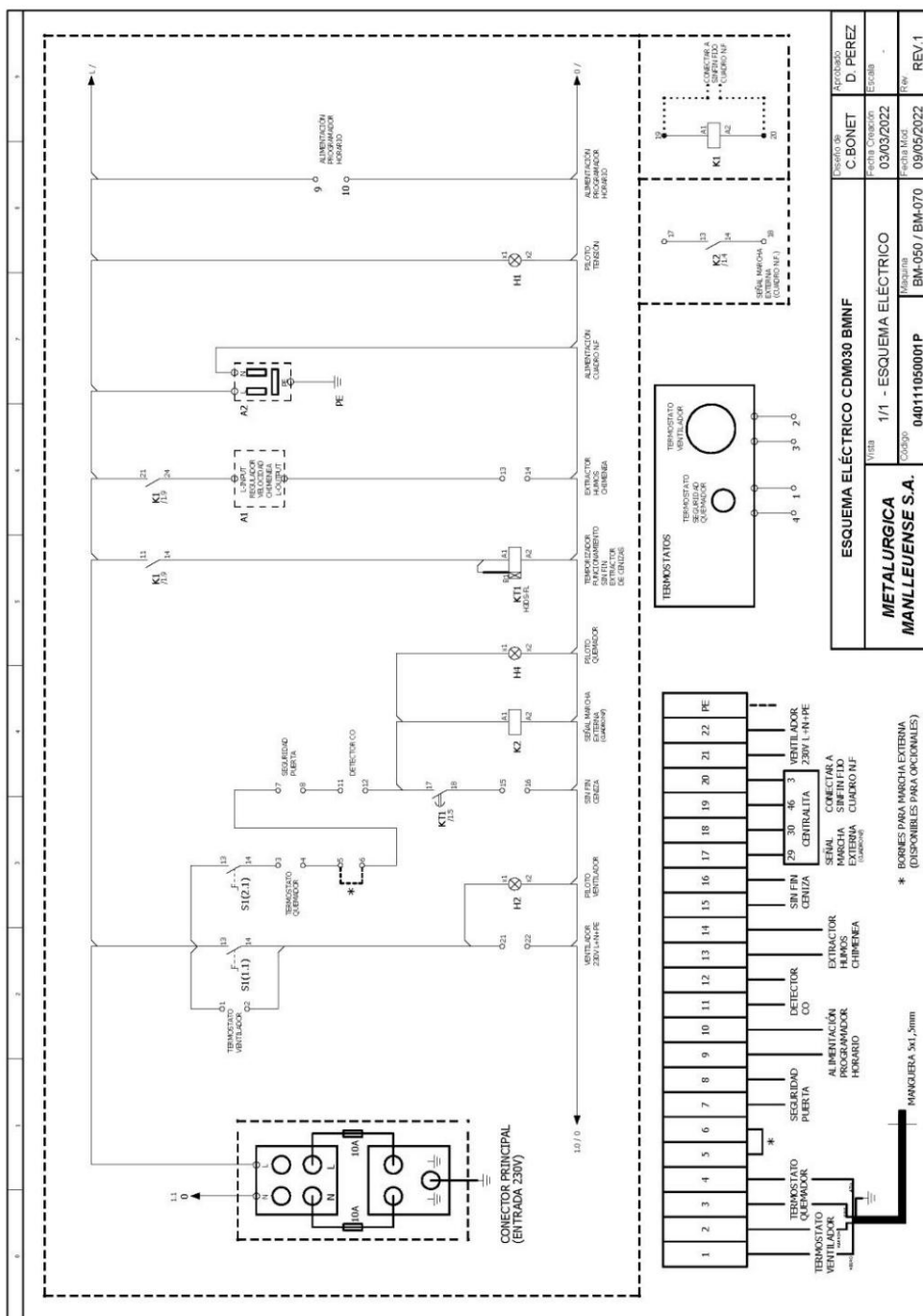
Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
Settle, North Yorkshire, BD24 9RH

BM-050

Vertical hot air generator with pellet operation

Electric scheme



METALURGICA MANLLEUENSE, SA y Tel. +34 93 851 15 99 y www.metmann.com
C/Fontcuberta, 32-36 y 08560-Manlleu (Barcelona) SPAIN

Get In Touch

Call: 0845 6880112
Email: info@adremit.co.uk

Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
Settle, North Yorkshire, BD24 9RH

Datasheet



BM-050

Vertical hot air generator with pellet operation



METALURGICA MANLLEUENSE, SA y Tel. +34 93 851 15 99 y www.metmann.com
C/Fontcuberta, 32-36 y 08560-Manlleu (Barcelona) SPAIN

Get In Touch

 Call: [0845 6880112](tel:08456880112)
 Email: info@adremit.co.uk

Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
Settle, North Yorkshire, BD24 9RH