



Process Data BRU

Patented process (Patent No. :EU PCT/ DE2005/001995; CN 2,586.551; US 11/ 667 720)

Process Temperature:

The intensive aerobic process of the BRU warms the material up to 60-65°C.

Bacterial count of the bedding material:

Harmful germs are reduced in the material by up to 99%.

Retention time in the drum: approx. 12 h

Quantity of bedding material: up to 25 m³/d*

DM content of the bedding material: 40-42%*

Energy consumption: approx. 10kW/h

Electric Data:

Drive Separator: F10632105:F4,8 kW/ 230/480V/ 60Hz

Drive screw conveyor: 1,1kW 230/400 V 50Hz (1,27 kW 254-277/440-480V 60Hz)

Drive drum: F50240138: gear motor F6kW with break, 6kW-100Hz-400V

Ventilating fan: 93741109 0,37 kW/ 230/400V 50Hz, Capacity 2500 m³/h

Control data:

Control options BRU:

Speed adjustment of the drying drum with a frequency converter

Speed adjustment of the Separator drive with a frequency converter, speed control with potentiometer with castor offset; power indication on a digital display

Drum ventilation via a frequency converter

Activation/ Deactivation of the submersible pump 6,6kW with a float switch

Zentrales Auslieferungslager:

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A-8570 Voitsberg / Austria

Geschäftsführer: Dipl.-Ing. Otto Roiss Mag. Andreas Schitter
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Speed control of the fan 0,37 kW with a frequency converter via temperature sensor

Activation/Deactivation of the solids' conveyor 1,5 kW

Activation/Deactivation of the conveyor belt

Activation/Deactivation of the agitator 6,6 kW via pulse – pause relay

All drives are with hand/0/auto - switches, operating + malfunction lights with connections available for thermal contacts

F50241050: Switch cabinet type CDD in a steel sheet housing 1000x1400x300 RAL 7035 IP54, 480V, 60Hz 3Ph. in accordance with UL norm.

Design of the unit in accordance with VDE – requirements inspection records in accordance with VDE 113, EN 60204-1 and IEC204-1.

Installation Data

Sub-structure: see coordination of load points 40ft Container
(Attachment BSA Nr. 850.000.000.001.3)
make frost-resistant
Reinforce the sub-structure sufficiently
Max height tolerance admitted ± 10 mm
Concrete quality: min. P40 (corresponds to min. 40kN /m²), manure-resistant

Ambient temperature: -35 to + 55°Celcius

Pipe connections Separator: Input, Overflow, Effluent: ANSI flange 4“

Power supply: Line voltage (feed) :480V/60Hz/ 50- 63A or 400V/50Hz/ min 40- 63A
Control voltage: 24V DC and 115V AC

* dependent on the quantity, DM content, viscosity, temperature, age of the resource material etc.