

Coal Moisture Control at Mizushima Works

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:

340MJ/t coal
(500 wet t/h)

1.2

2

(1)

(2)

Synopsis :

In order to reduce coal moisture content from 8-12% to 5-6%, a coal moisture control

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要旨

調湿炭設備により、通常8~12%含まれるコークス炉装入炭水分

Table 1 Specifications of Steam-in-tube dryer

Item	Specification
Capacity	100 t/d
Temperature	150°C
Pressure	1.0 MPa
Material	Carbon steel
Dimensions	φ1000 x 10000 mm
Power consumption	1000 kW
Water consumption	1000 t/d
Steam consumption	1000 t/d
Control system	PLC
Safety system	Emergency stop
Insulation	100 mm
Accessories	Pressure gauge, Temperature gauge
Installation	Indoor
Operation	Continuous
Maintenance	Regular inspection
Warranty	1 year
Manufacturer	XXX Co., Ltd.

Constant revolution speed

Variable revolution speed control

Table 2 Comparison of increase in coke strength between

The table content is illegible due to severe horizontal scanning artifacts. The table structure is obscured by multiple thick black lines that appear to be scan artifacts or intentional redactions.

Date	Description	Debit	Credit