

Client:
Plant
Contact person:
Address / phone / fax:
Date:

1.) GENERAL INFORMATION
Supplier of the mill:
Years in operation:
Description of the mill: <input type="checkbox"/> Raw Mill: <input type="checkbox"/> Coal Mill: <input type="checkbox"/> Cement Mill:

Mill Type:

Size:

Installed power: kW

Consumed power: kW

Roller / table diameter: mm

mill feeding, (side, top): mm

Mill Operation:

Automatic, control loops: _____

From hand, semi automatic: _____

Wear:

Roller Liners: _____ g/t hours

Table Liners: _____ g/t hours

Lifetime of table
and roller liners: _____ years

Mill Vibrations:

General level: _____

Problems with dry material: _____

Less throughput: _____

High grinding pressure: _____

Grinding Plant with Vertical Roller Mill Datasheet



Gas Circuit:

	Design	Operation
Mill inlet gas flow:		Nm ³ /h
Mill inlet gas temperature:		°C
Mill inlet gas static pressure:		Pa
Mill outlet gas flow:		Nm ³ /h
Mill outlet gas temperature:		°C
Mill outlet gas static pressure:		Pa
Hot gas to mill:	<i>(from preheater, woler, hot gas generator)</i>	Nm ³ /h
Hot gas temperature:		°C
False air into mill:		Nm ³ /h
Recirculating air:		Nm ³ /h

Grinding Plant with Vertical Roller Mill Datasheet



Production:

	Design	Operation
Capacity:		t/h
Fineness:		% 90µ residue
		% 200µ residue
Cement production (cement type, capacity t/h, fineness cm2/g acc. to Blaine):		
Cement temperature:		°C
Specific Power Consumption of Mill:		KWh/t
Specific Power Consumption of total Grinding Plant:		KWh/t
Reject quantity:		t/h

Description of the feed material:

Type of material: _____

Moisture content of feed material % H₂O: _____

Grindability (Bond/Index/HG/kwh/t): _____

Particle size, average, max.: _____ mm

Additives: (slag, fly ash, gypsum, iron ore, etc.)

Quantity, particle size, moisture content

Coal

Lower heating value _____

Sulfur content of fuel _____

Volatile content _____

Ash content _____

Grinding aid _____ yes _____ no

Quantity _____

Equipment:

Inlet gate:

Triple flap gate / rotary valve:

Clogging problems
(wet material):

Classifier:

Type of classifier:

Installed power / speed range:

Wear protection:

Rotor type:

Type of drive:

Mill housing:

Wear protection:

Grinding table:

Outside diameter: mm

Number of tracks:

Shape of tracks:

Rotation speed: rpm

Table material:

Material of table liners:

Segment of thermal
installation:

Height of dam ring: mm

Ported air ring:

Characteristics:

Adjusting system (description): _____

Roller:

Number of rollers:

Single or double:

Type of lubrication:

Type of rollers
(conical, flat, etc.):

Dimensions (Ø, width):

Liner material:

Bearing protection:

Gearbox:

Supplier:

Design:

Motor installed:

Auxiliary or inching drive: _____

Lubrication station:

Hydraulic station:

Nominal pressure:

Maximal pressure:

Water injection:

Nozzles, amount, pressure:

Grinding Plant:

Reject transport:

Design capacity: t/h

Elevator type:

Air lock:

Notes:

Removing of iron particles / magnet detector:

For the recirculation:

For the mill feeding:

Hot gas generator:

Type of firing:

Capacity:

Cyclone:

Number of cyclone:

Size, Dimensions :

Pressure loss : Pa

Notes:

Mill fan:

Total pressure: Pa

Capacity: Nm³/h

°C

Power absorbed: kW

Motor installed: kW

Motor speed: kW

Flow control: kW

Filter:

Type of filter:

Size, Dimensions :

Pressure loss : Pa

Notes:

Safety devices for coal mill and grinding circuit:

Explosion pressure
resistant: Pa

Explosions vents:

Safety shut off flaps:

Inertizing system:

Location of analyser
(CO/O₂):

Drawings:

If it is possible please submit the following drawings:

General arrangement drawing of the grinding plant
General arrangement drawing of the mill incl. internal parts
Process flow sheet

Remarks: