

 Airslide/fluidized bottom estimation (NOT for design purposes)

Material

Material name : Fly ash2

Suspension velocity m/sec

Airslide

Capacity tons/hr

Airslide length m

Airslide supply pipelength m

Fluidization cloth pressure drop mmWC/(m2.m/sec)

Fluidization velocity airslide m/sec

Plenum width mm

Plenum Area m2

Total airslide width mm

Total airslide height mm

Material height mm

Windbox height mm

Fluidization velocity m/sec

Air supply pipe diam. mm

Fluidization fan volume m3/sec m3/min

Fluidization fan pressure mmWC Pa

Fluidization fan power kW

Fluidization fan e-motor kW

Airslide calculation

