

Molding sand aerator

for aeration of prepared sand



- Rugged and low-maintenance design
- For permanent operation in foundries



Molding sand aerator for aeration of prepared sand

Flexibility in application

- Installation above belt conveyor
- Installation downstream of belt conveyor
- Installation between belt conveyors

Advantages

- Better sand distribution in the molding box
- Better compactability at the molding machine implying better cast quality with reduced aftertreatment costs

Characteristics at a glance

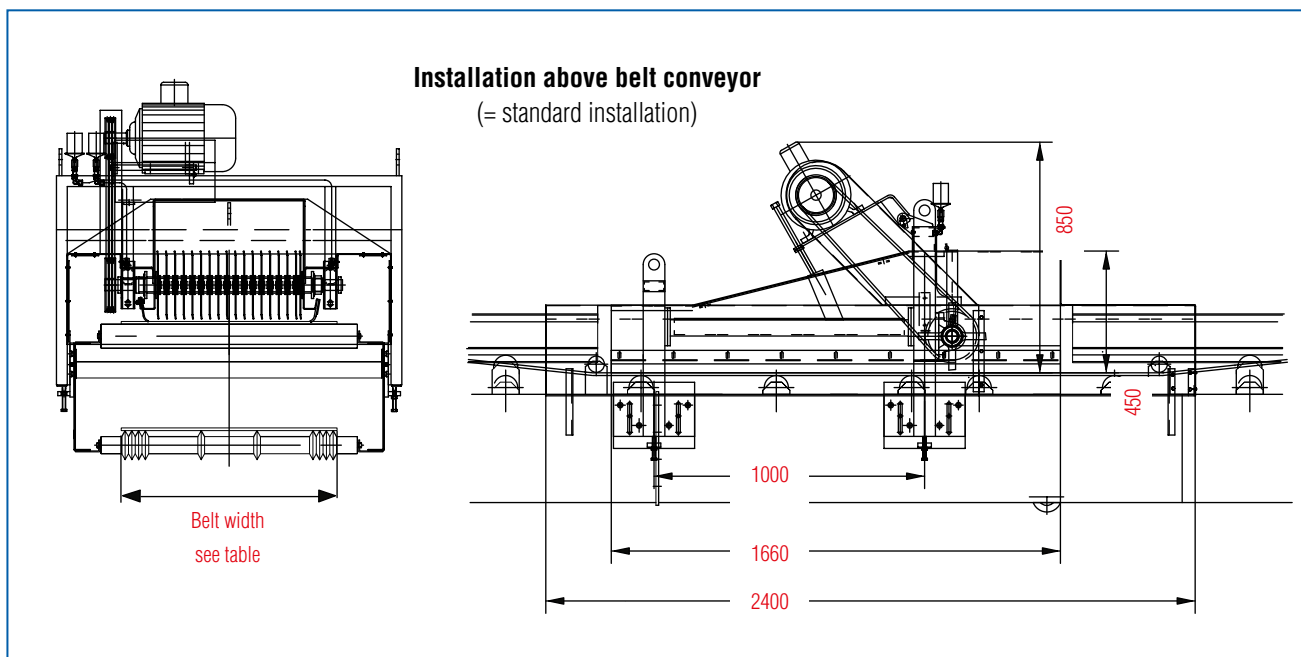
- Efficient and energy saving operation ensured by special disaggregation tool
- Small space requirements, easily adaptable to existing belt constructions
- Favorable installation dimensions
- Low wear
- Low maintenance costs

Configuration / Design

The **molding sand aerator** consists of the aerator tool and the sand collecting tank. The aerator is mounted above a belt conveyor on the prepared sand conveying system or after a mixer. The aerator tool

is equipped with wear-resistant and easily exchangeable tools. The aerator drums are driven by electric motor via V-belts. The sand collecting tank is provided with wear resistant, elastic rubber walls.

Installation examples



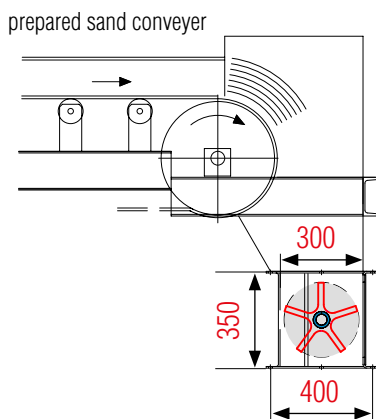
	Type	Rating* (m ³ /h)	Motor (kW)	Belt width (mm)	approx. weight (kg)
Installation above belt conveyor	FS1	25	3.0	400	350
	FS2	40	3.0	500	350
	FS3	75	5.5	650	400
	FS5	100	5.5	800	500
	FS7	160	7.5	1000	600
	FS8	350	7.5	1200	700
	FS9	450	15	1400	900

Installation downstream of belt conveyor	FV1	25	3.0	400	100
	FV2	40	3.0	500	100
	FV3	75	3.0	650	125
	FV5	100	3.0	800	150
	FV7	160	3.0	1000	175
	FV8	350	3.0	1200	200
	FV9	450	3.0	1400	225

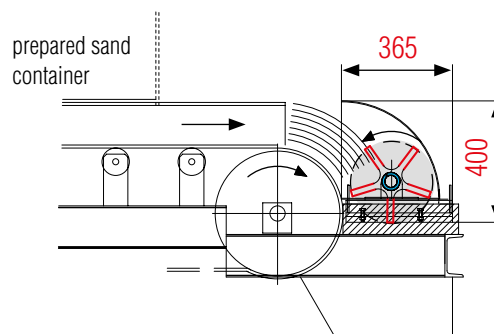
Installation between belt conveyors	FZ1	25	3.0	400	100
	FZ2	40	3.0	500	125
	FZ3	75	3.0	650	150
	FZ5	100	3.0	800	200
	FZ7	160	3.0	1000	250
	FZ8	350	3.0	1200	300
	FZ9	450	3.0	1400	350

*depending on belt speed and material level

Installation between belt conveyors



Installation downstream of belt conveyor



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