

Drag Gathering Conveyor – Type F 285 Sb

Drag conveyor F 285 Sb is determined as a gathering conveyor after high-capacity wall conveyors. The conveyor output can be up to 2 x 250 kW. The recommended maximum length is 200 m. The conveyor can be located directly on the foot-wall or it can be partly suspended in the suspension slot by the suspension unit type ZF285.

In the conveyor route it is possible to add a coal-crusher.

The suspended conveyor including the coal-crusher can be moved by hydraulic equipment SAK 1 (with chains) or by chain-less equipment SAB 1, eventually by a hoisting winch or by a special hydraulic shifting equipment installed on the body of the conveyor route.

At customer's request it is also possible to deliver a configuration with a belt conveyor.

Further parameters of the conveyor are stated in the following table:

Type	F 285 – 689sb	F 285 – 789sb	F 285 – 889sb	F 285 – 989sb
Transported volume				
Drive – max. output	2x 160kW	2x 200kW	2x 250kW	2x 250kW
Recommended output	2x 100kW	2x 160kW	2x 200kW	2x 250kW
Used gear-boxes	PKPL 15	PKPL 15	PKPL 25	PKPL 25
Clutch	Flexible double			
Used motor	100kW air cooled	80/160kW	65/200kW	85/250kW
Chain belt speed	0,32/0,96 - 0,4/1,2			
Used chain	2 x 30 x 108	2 x 30 x 108	2 x 34 x 126	2 x 34 x 126
Chain spacing	130 mm	130 mm	145 mm	145 mm
Trough width	689 mm	789 mm	889 mm	989 mm
E profile height	285 mm			
Slide shoe thickness	40 mm			
Length of the troughs	1500 mm			
Troughs connection	dumbbell 2x 3000 kN			
Max. tension in the connecting element	3000 kN			
Turn-around terminal	Alternatively with racking or without racking			
Suspension type in the suspension slot	ZF285-689	ZF285-789	ZF285-889	ZF285-989
Side guidance height	600 mm	700 mm	800 mm	800 mm
Lower branch closing	On the suspended part (removable)			
Telescopic racking trough	Yes, at the customer's request			
Suspension of the drive	yes			
Shifting	Shifting equipment type SAK, hoisting winch, shifting equipment type PZ			