



SLB1500X8
ASPHALT MIXING PLANT

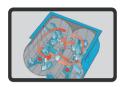
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## **Dual cycle boiling-type mixing technology**

- Adopting proven technology from concrete plant, more than 20 thousand market applications, convenient maintenance and reliable quality
- Mixing blades are arranged spirally, and can achieve axial major cycle, tangential minor cycle and middle turbulence mixing, making the asphalt more uniform





# Waterfall material curtain design

- Extra-long drying drum design, optimal "three-zone blade" arrangement, longer heat exchange time, drying efficiency increased by 10%
- Adjustable blade angle controlling material curtain, making heating process more uniform, and thermal efficiency can reach up to 90%





## **Accurate weighing technology**

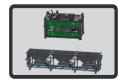
- Applying "pulsating vibration" and "multi-speed" weighing, achieving rough and accurate measurement, and aggregate weighing error smaller than 20kg
- Power weighing controlled by frequency conversion screw conveyor, reducing weighing error to 1kg
- Frequency conversion and two-times weighing applied on asphalt weighing, achieving asphalt/ aggregate ratio bias smaller than 0.1%





## **Highly integrated module**

- Weighing layer and mixing layer integrated; asphalt tank, thermal oil furnace and discharge groove integrated; control room and circuit board room integrated, saving shipment space
- Aggregate bins and belt conveyor, main tower platforms, electronic components and control room are pre-assembled and packed in factory as modules





#### **Technical Specifications**

Max total power (kW)         325           Number of cold aggregate silo         4           Cold aggregate system         Cold aggregate silo capacity (m³)         8           Material loading width (m)         3.2           Drying system         Drying drum length (m)         8           Drying system         Drying drum diameter (m)         \$1.8           Rated burner capacity (MW)         14           Hot aggregate elevator         Aggregate conveying capacity (t/h)         130           Screening system         Screen         4           Hot aggregate silo         Hot aggregate silo (m³)         14           Mixing system         Rated mixing capacity (kg)         1650           Mixing power (kw)         2*22           Powder filling silo (m³)         40           Powder recycling silo         12(optional)           Bitumen supply system         Powder recycling silo         12(optional)           Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heat conducting furnace (kcal/h)         300000           Filtration area (m²)         480           Dedust system         Induced draft fan air volume (Nm³/h)         40000           Induced draft fan power (kW) <t< th=""><th></th><th>Item</th><th>SLB1500X8</th></t<>		Item	SLB1500X8	
Max total power (kW)         325           ANumber of cold aggregate silo         4           Cold aggregate silo capacity (m²)         8           Material loading width (m)         3.2           Drying system         Drying drum length (m)         8           Drying drum diameter (m)         4.8           Hot aggregate elevator         Aggregate conveying capacity (l/th)         130           Screening system         Screen         4           Hot aggregate silo         Hot aggregate silo (m²)         14           Mixing system         Reled mixing capacity (l/th)         150           Mixing system         Reled mixing capacity (l/th)         1650           Powder filling silo (m²)         4           Powder filling silo (m²)         4           Powder recycling silo         12(optional)           Powder recycling silo         12(optional)           Bitumen tank (L)         2*3000           Heavy oil tank (L)         1*3000(optional)           Heavy oil tank (L)         1*3000(optional)           Heavy oil tank (L)         1*3000(optional)           Induced draft fan air volume (Nm³)h)         480           Dedust system         Induced draft fan air volume (Nm³)h)         40000           Induced traft	Main parameters	Rated productivity (t/h)	120	
Cold aggregate system         Number of cold aggregate silo         4           Cold aggregate silo capacity (m²)         8           Material loading width (m)         3.2           Porying system         Drying drum length (m)         8           Drying system         Drying drum diameter (m)         \$1.8           Rated burner capacity (MW)         14           Hot aggregate elevator         Aggregate conveying capacity (t/h)         130           Screening system         Screen         4           Mixing system         Rated mixing capacity (kg)         1650           Mixing system         Mixing power (kw)         2*22           Powder filling silo (m³)         40           Powder filling silo (m³)         40           Powder filling silo (m³)         12(optional)           Bitumen supply system         Bitumen tank (L)         2*30000           Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heavy oil tank (L)         1*30000(optional)           Heavy oil tank (L)         1*30000(optional)           Filtration area (m²)         480           Induced draft fan power (kW)         90 <td>Fuel</td> <td>Light Oil, Heavy Oil,Natural Gas, Coal Gas Liquefied Gas</td>		Fuel	Light Oil, Heavy Oil,Natural Gas, Coal Gas Liquefied Gas	
Cold aggregate system         Cold aggregate silo capacity (m²)         8           Material loading width (m)         3.2           Drying Arum length (m)         8           Drying system         Drying drum length (m)         4           Rated burner capacity (MW)         14           Hot aggregate elevator         Aggregate conveying capacity (t/h)         130           Screening system         Screen         4           Hot aggregate silo         Hot aggregate silo (m²)         14           Mixing system         Rated mixing capacity (kg)         1650           Mixing power (kw)         2*22           Powder filling silo (m²)         40           Powder filling silo (m²)         40           Powder recycling silo         12(optional)           Bitumen supply system         Diesel tank (L)         12000           Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Induced draft fan air volume (Nm³/h)         480           Induced draft fan p		Max total power (kW)	325	
Cold aggregate system         Material loading width (m)         3.2           Drying drum length (m)         8           Drying drum diameter (m)         \$ 4.8           Rated burner capacity (MW)         14           Hot aggregate elevator         Aggregate conveying capacity (t/h)         130           Screening system         Screen         4           Hot aggregate silo         Hot aggregate silo (m³)         14           Mixing system         Rated mixing capacity (kg)         1650           Mixing power (kw)         2*22           Powder filling silo (m³)         40           Powder filling silo (m³)         40 <th col<="" td=""><td rowspan="3">Cold aggregate system</td><td>Number of cold aggregate silo</td><td>4</td></th>	<td rowspan="3">Cold aggregate system</td> <td>Number of cold aggregate silo</td> <td>4</td>	Cold aggregate system	Number of cold aggregate silo	4
Drying system         Material loading width (m)         3.2           Drying drum length (m)         8           Drying drum length (m)         41.8           Rated burner capacity (MW)         14           Hot aggregate elevator         Aggregate conveying capacity (t/h)         130           Screening system         Screen         4           Hot aggregate silo         Hot aggregate silo (m³)         14           Mixing system         Rated mixing capacity (kg)         1650           Mixing power (kw)         2*22           Powder filling silo (m³)         40           Powder recycling silo         12(optional)           Powder recycling silo         12(optional)           Bitumen supply system         Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Induced draft fan air volume (Nm³/h)         480           Induced draft fan power (kW)         90           Asphalt silo capacity         0	Cold aggregate silo capacity (m³)		8	
Drying system         Drying drum diameter (m)         ♠1.8           Rated burner capacity (MW)         14           Hot aggregate elevator         Aggregate conveying capacity (t/h)         130           Screening system         Screen         4           Hot aggregate silo         Hot aggregate silo (m³)         14           Mixing system         Rated mixing capacity (kg)         1650           Mixing power (kw)         2*22           Powder filling silo (m³)         40           Powder recycling silo         12(optional)           Powder recycling silo         12(optional)           Bitumen supply system         Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heat conducting furnace (kcal/h)         300000           Piller system         Filtration area (m²)         480           Dedust system         Induced draft fan air volume (Nm³/h)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Optional (t)         33	Material loading width (m)		3.2	
Hot aggregate elevator         Aggregate conveying capacity (t/h)         14           Boreening system         Screen         4           Hot aggregate silo         Hot aggregate silo (m³)         14           Mixing system         Rated mixing capacity (kg)         1650           Mixing power (kw)         2*22           Powder filling silo (m³)         40           Powder recycling silo         12(optional)           Diesel tank (L)         12000           Bitumen supply system         Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heat conducting furnace (kcal/h)         300000           Filtration area (m²)         480           Dedust system         Induced draft fan air volume (Nm³/h)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Standard         0           Optional (t)         33	Drying system	Drying drum length (m)	8	
Hot aggregate elevator         Aggregate conveying capacity (t/h)         130           Screening system         Screen         4           Hot aggregate silo         Hot aggregate silo (m³)         14           Mixing system         Rated mixing capacity (kg)         1650           Mixing power (kw)         2*22           Powder filling silo (m³)         40           Powder filling silo (m³)         12(optional)           Powder recycling silo         12(optional)           Bitumen supply system         Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heat conducting furnace (kcal/h)         300000           Heat conducting furnace (kcal/h)         300000           Induced draft fan air volume (Nm³/h)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Standard         0           Optional (t)         33		Drying drum diameter (m)	ф1.8	
Screening system         Screen         4           Hot aggregate silo         Hot aggregate silo (m³)         14           Mixing system         Rated mixing capacity (kg)         1650           Mixing power (kw)         2*22           Powder filling silo (m³)         40           Powder recycling silo         12(optional)           Bitumen supply system         Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heavy oil tank (L)         1*30000(optional)           Heat conducting furnace (kcal/h)         300000           Filtration area (m²)         480           Induced draft fan air volume (Nm³/h)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Standard         0           Optional (t)         33		Rated burner capacity (MW)	14	
Hot aggregate silo         Hot aggregate silo (m³)         14           Mixing system         Rated mixing capacity (kg)         1650           Bitler system         Powder filling silo (m³)         40           Powder filling silo (m³)         40           Powder recycling silo         12(optional)           Diesel tank (L)         12000           Bitumen supply system         Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heat conducting furnace (kcal/h)         300000           Podust system         Filtration area (m²)         480           Induced draft fan air volume (Nm³/h)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Optional (t)         33	Hot aggregate elevator	Aggregate conveying capacity (t/h)	130	
Mixing system         Rated mixing capacity (kg)         1650           Mixing power (kw)         2*22           Filler system         Powder filling silo (m³)         40           Powder recycling silo         12(optional)           Bitumen supply system         Diesel tank (L)         12000           Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heat conducting furnace (kcal/h)         300000           Pedust system         Filtration area (m²)         480           Induced draft fan air volume (Nm³/n)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Optional (t)         33	Screening system	Screen	4	
Mixing system         Mixing power (kw)         2*22           Biller system         Powder filling silo (m³)         40           Biltumen supply system         Diesel tank (L)         12000           Biltumen tank (L)         2*30000           Biltumen supply system         Heavy oil tank (L)         1*30000(optional)           Bitumen supply system         Filtration area (m²)         480           Dedust system         Industry and supply system         1*30000(optional)           Bitumen supply system         1*30000(optional)         1*30000(optional)           Bitumen supply system         1*300	Hot aggregate silo	Hot aggregate silo (m³)	14	
Powder filling silo (m³) 40	Water	Rated mixing capacity (kg)	1650	
Filler system         Powder recycling silo         12(optional)           Bitumen supply system         Diesel tank (L)         12000           Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heat conducting furnace (kcal/h)         300000           Fittration area (m²)         480           Induced draft fan air volume (Nm²/h)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Standard         0           Optional (t)         33	Mixing system	Mixing power (kw)	2*22	
Bitumen supply system         Powder recycling silo         12(optional)           Bitumen tank (L)         12000           Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heat conducting furnace (kcal/h)         300000           Filtration area (m²)         480           Induced draft fan air volume (Nm³/h)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Standard         0           Optional (t)         33	Filler system	Powder filling silo (m³)	40	
Bitumen supply system         Bitumen tank (L)         2*30000           Heavy oil tank (L)         1*30000(optional)           Heat conducting furnace (kcal/h)         300000           Filtration area (m²)         480           Induced draft fan air volume (Nm²/h)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Standard         0           Optional (t)         33		Powder recycling silo	12(optional)	
Dedust system         Heavy oil tank (L)         1*30000(optional)           Dedust system         Filtration area (m²)         480           Induced draft fan air volume (Nm³/h)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Standard         0           Optional (t)         33	Bitumen supply system	Diesel tank (L)	12000	
Heavy oil tank (L)		Bitumen tank (L)	2*30000	
Dedust system         Filtration area (m²)         480           Induced draft fan air volume (Nm²/h)         40000           Induced draft fan power (kW)         90           Standard         0           Optional (t)         33		Heavy oil tank (L)	1*30000(optional)	
Dedust system         Induced draft fan air volume (Nm³/h)         40000           Induced draft fan power (kW)         90           Asphalt silo capacity         Standard         0           Optional (t)         33		Heat conducting furnace (kcal/h)	300000	
Induced draft fan power (kW) 90	Dedust system	Filtration area (m²)	480	
Asphalt silo capacity  Standard  Optional (t)  33		Induced draft fan air volume (Nm³/h)	40000	
Asphalt silo capacity Optional (t) 33		Induced draft fan power (kW)	90	
Optional (t) 33	A curl of the currents	Standard	0	
Control system Control mode Centralized	Aspnalt silo capacity	Optional (t)	33	
	Control system	Control mode	Centralized	

Remarks

- 1. Specific optional configuration shall be subject to the contract agreement. This table is for reference only. The optional parts are not included in the standard configuration.
- 2. Due to continuous technological improvement, the above technical specifications may change without notice. SANY reserves the right of final interpretation of all technical specifications.
- \*\* Standard working condition: ambient temperature, 20°C; standard atmospheric pressure; average water content of cold aggregate -5%; temperature of hot aggregate -160°C; cycling time 45 s; final product is common, medium sized aggregate asphalt. This follows GB/T 17808-2010 Road construction and road maintenance machinery and equipment—asphalt mixing plant.

