



SANY SLB4000C8 ASPHALT MIXING PLANT



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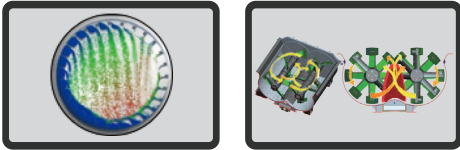
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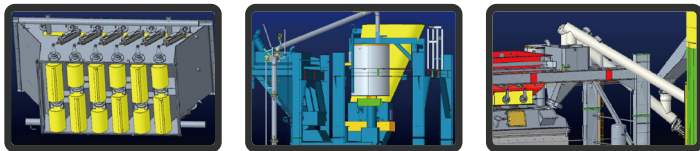
Efficient production

- ◆ Dual cycle boiling-type mixing technology: Mixing blades are arranged spirally, and can achieve axial major cycle, tangential minor cycle and middle turbulence mixing, Increasing the efficiency by 20%.
- ◆ Optimal L/D ratio design, with large opening discharge gate, shortening mixing time and discharge time
Waterfall material curtain: Optimized L/D ratio and blade arrangement, material curtain more uniform, and drying efficiency increased by 10%; Independent developed burner matches drying drum, heat exchange efficiency can reach up to 92%, higher than industry standard and more energy-saving



Accurate weighing technology

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



Dust-free main tower, smoke direct combustion

- ◆ Dust-free main tower: cart replaced by flap door distribute technology; fully enclosed tower without dust leaking; multiple negative pressure vacuuming
- ◆ Smoke direct combustion: 100% captured and pyrolysed, no secondary pollution



Intelligent production technology

- ◆ Intelligent production: 1-button startup and shutdown; aggregate self-adaptive adjustment; auto temperature control; weight-free calibration; equipment health management
- ◆ Intelligent management system: achieving digitization in whole process of purchase-production-sale



Technical Specifications

| Item | | SLB4000C8 |
|------------------------|---|--|
| Main parameters | Rated productivity (t/h) | 320 |
| | Fuel | Light Oil, Heavy Oil, Natural Gas, Coal Gas, Liquefied Gas |
| | Max total power (kW) | 730 |
| Cold aggregate system | Number of cold aggregate silo | 6 |
| | Cold aggregate silo capacity (m ³) | 13 |
| | Material loading width (m) | 3.6 |
| Drying system | Drying drum length (m) | 12 |
| | Drying drum diameter (m) | φ2.75 |
| | Rated burner capacity (MW) | 35 |
| Hot aggregate elevator | Aggregate conveying capacity (t/h) | 380 |
| Screening system | Screen | 6 |
| Hot aggregate silo | Hot aggregate silo (m ³) | 65 |
| Mixing system | Rated mixing capacity (kg) | 4500 |
| | Mixing power (kw) | 2*55 |
| Filler system | Powder filling silo (m ³) | 50 |
| | Powder recycling silo | 50 |
| Bitumen supply system | Diesel tank (L) | 30000 |
| | Bitumen tank (L) | 4*50000 |
| | Heavy oil tank (L) | 1*30000 |
| | Heat conducting furnace (kcal/h) | 800000 |
| Dedust system | Filtration area (m ²) | 1200 |
| | Induced draft fan air volume (Nm ³ /h) | 105000 |
| | Induced draft fan power (kW) | 185 |
| Asphalt silo capacity | Standard | 100 |
| | Optional (t) | |
| Control system | Control mode | Distributed |

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.

