



StarMix 3000HL

Modular High Level Asphalt Batch Plant



Quality Engineered
Excellence Since 1911

StarMix 3000HL Modular High Level Asphalt Batch Plant - 240t/h*



- Compact modular concept
- Flexibility of plant layout high or low level design
- Environmentally considerate; sheeted options
- Highly efficient multi-fuel burner
- Inverter controlled exhaust fan
- Dust filter emissions less than 20mg/m³

The StarMix range embodies all that is the very best in asphalt plant design, meeting all the criteria for a high performance, aesthetically pleasing plant. The quality of engineering is focussed on all aspects of the plants operation, aimed at maximising production, increasing running reliability and minimising maintenance cost. The StarMix sheeted range is also available with very high capacity hot mixed material storage facilities to maximise efficiency while minimising environmental impact.

Aggregate Feed Unit, Belt Feeders & Collecting Conveyor



Robust, modular cold feed unit offering a wide choice of size, number and configuration with highly accurate AC variable speed inverter controlled direct drive motor/gear units.

Aggregate Dryer



Easily transported aggregate dryer with advanced design of internal lifters optimizing thermal efficiency for maximum heat transfer. Choice of multi-fuel burners. Nylon support & thrust rollers reduce wear, vibration and noise.

Mixing Tower / Screen, Hot Storage, Weigh Gear + Paddle Mixer



Quick erect, modular tower; heavy duty aggregate screen with-in a fully sealed dust housing; access stairways and platforms for maintenance at all levels; load cell mounted batch weigh hoppers for aggregate, bitumen & filler. Twin shaft, direct gear/motor drive high efficiency paddle mixer, hard wearing replaceable abrasive resistant liner plates, paddle arms and tips. Discharge to truck or mixed material storage facility.

Dependant on location the StarMix range is available as standard with bag filter and fan unit for secondary dust collection achieving less than 20mg/m³.

Control system - insulated & clad control cabin with a range of advanced control options from keypad to PC based, fully automatic systems, with fully programmable recipe storage.

Specification

| | Units | |
|--|-------------------|-----------|
| Cold Feed, Dryer Feed Conveyor | | |
| Hopper Capacity (heaped) | m ³ | 15.0 |
| Hopper Loading Width | mm | 4000 |
| Belt Feeder Length | mm | 1800 |
| Belt Width | mm | 750 |
| Belt Feeder Drive | kW | 4.0 |
| Vibrator Fitted to Sand Hopper | | YES |
| Collecting Conveyor Width | mm | 800 |
| Collecting Conveyor Drive | kW | 7.5 |
| Dryer Feed Conveyor Width | mm | 800 |
| Dryer Feed conveyor Drive | kW | 11 |
| Aggregate Dryer | | |
| Dryer Drum Diameter | m | 2.5 |
| Dryer Drum Length | m | 9.0 |
| Dryer Drive (friction) | kW | 4 x 22.0 |
| Dryer Capacity | t/h | 260 |
| Air Volume | | |
| Dryer | m ³ /h | 80,835 |
| Mixing Section [Nuisance+Silo] | m ³ /h | 12,620 |
| Total | m ³ /h | 93,455 |
| Hot Stone Elevator, Screen & Mixing Section | | |
| Elevator Capacity | t/h | 260 |
| Drive | kW | 37.0 |
| Screen Decks | No. | 4, 5 or 6 |
| Screen Length | m | 4.0 |
| Screen Width | m | 2.2 |
| Screen Drive | kW | 2 x 15 |
| Hot Storage Capacity | t | 60 |
| Hot Storage Bins | No. | 6 |
| Aggregate Weigh Hopper Capacity | kg | 3250 |
| Bitumen Weigh Hopper Capacity | kg | 450 |
| Filler Weigh Hopper Capacity | kg | 650 |
| Paddle Mixer Capacity | kg | 3250 |
| Paddle Mixer Drive | kW | 2 x 37.0 |
| Mixed Material Storage | | |
| Mixed Material Storage Hoppers | No. | 4 |
| Mixed Material Storage Capacity | t | 300 |

*Plant capacity is based on 3% moisture content of feed aggregate with 0.5% residual moisture content of mixed materials, dryer discharge temperature of 160°C, ambient temperature 15°C at altitude 150m above sea level, aggregate bulk density average 1600kg/m³, 5% bitumen content, 45 second weigh/mix cycle at 100% plant utilisation.

Note: Bag Filter Specification listed separated

Parker Plant Limited, Viaduct Works, Canon Street, Leicester, LE4 6GH, United Kingdom

T: +44 (0) 116 266 5999 F: +44 (0) 116 261 0812 W: www.parkerplant.com E: sales@parkerplant.com

All reasonable steps have been taken to ensure the accuracy of this publication. However, due to our policy of continual product development, Parker Plant Limited reserve the right to change details without prior notice. All machines supplied in accordance with our standard conditions. Illustrations and photos may show optional equipment. All rights reserved.