



StarMix 3000HL

High Level Modular Asphalt Batch Plant



Quality Engineered
Excellence Since 1911

StarMix 3000HL High Level Modular 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

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