



StarMix 4000

Modular Asphalt Batch Plant



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StarMix 4000 - 320tph*

- 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 maximizing production, increasing running reliability and minimizing maintenance cost. StarMix Range are also available with very high capacity hot mixed material storage facilities as well as sheeting options making the plant extremely Eco-friendly.

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		
Hopper Capacity (heaped)	m ³	18.0
Hopper Loading Width	m	5.0
Belt Feeder Length	m	2.8
Belt Width	mm	800
Belt Feeder Drive	kW	5.5
Vibrator Fitted to Sand Hopper		YES
Collecting Conveyor Width	mm	800
Collecting Conveyor Drive	kW	7.5
Aggregate Dryer		
Dryer Drum Diameter	m	2.8
Dryer Drum Length	m	10.0
Dryer Drive (friction)	kW	4 x 30.0
Dryer Capacity	t/h	340
Air Volume		
Dryer	m ³ /h	101,350
Nuisance and Silo Vent	m ³ /h	17,410
Total	m ³ /h	118,760
Hot Stone Elevator, Screen & Mixing Section		
Elevator Capacity	t/h	360
Drive	kW	30.0
Screen Decks	No.	4, 5 or 6
Screen Length	m	4.0
Screen Width	m	2.6
Screen Drive	kW	2 x 18.5
Hot Storage Capacity	t	70
Hot Storage Bins	No.	4, 5 or 6
Aggregate Weigh Hopper Capacity	kg	4250
Bitumen Weigh Hopper Capacity	kg	650
Filler Weigh Hopper Capacity	kg	850
Paddle Mixer Capacity	kg	4250
Paddle Mixer Drive	kW	2 x 45.0

*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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