



StarMix 1520HL

High Level Modular Asphalt Batch Plant



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Quality Engineered
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140t/h* - Modular High Level Static Asphalt Batch Plant

- Compact modular concept
- Flexibility of plant layout high or low level design
- Environmentally considerate; sheeted options
- Highly efficient dual-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 for environmental considerations.

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	10.0
Hopper Loading Width	mm	3000
Belt Feeder Length	mm	1700
Belt Width	mm	500
Belt Feeder Drive	kW	2.2
Vibrator Fitted to Sand & Dust Hopper		YES
Collecting Conveyor Width	mm	600
Collecting Conveyor Drive	kW	5.5
Dryer Feed Conveyor Width	mm	600
Dryer Feed conveyor Drive	kW	5.5
Aggregate Dryer		
Dryer Drum Diameter	m	1.8
Dryer Drum Length	m	7.0
Dryer Drive	kW	30.0
Air Volume		
Dryer	m ³ /h	41,885
Mixing Section [Nuisance]	m ³ /h	7,850
Total	m ³ /h	49,735
Hot Stone Elevator, Screen & Mixing Section		
Elevator Capacity	t/h	180
Drive	kW	30.0
Screen Decks	No.	3.5 decks for 6 sizes (plus rejects)
Screen Length	m	5.0
Screen Width	m	1.8
Screen Drive	kW	15.0
Aggregate Weigh Hopper Capacity	kg	2250
Bitumen Weigh Hopper Capacity	kg	350
Filler Weigh Hopper Capacity	kg	450
Paddle Mixer Capacity	kg	2250
Paddle Mixer Drive	kW	2 x 22.0
Mixed Material Storage		
Mixed Material Storage Silos	No.	4
Mixed Material Storage Capacity	t	200

*Up to 140 TPH is based on a temperature of 150 degrees C from mixer. Average moisture content of 3%, including 3% filler and 5% bitumen in the mix. Mixer capacity of 2000 Kg per batch and a 45 second weigh/mix cycle.

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

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