Parker
PLANT LIMITED

StarBatch 1000

Modular Asphalt Batch Plant

Quality Engineered
Excellence Since 1911

StarBatch 1000 - 80t/h*

- Compact modular concept
- Flexibility of plant layout
- Fast on-site erection/dismantling
- Factory pre-wired & fully tested
- Inverter controlled exhaust fan
- Dust filter emissions less than 20mg/m³

The StarBatch range is designed to provide low cost, quality asphalt within known environmental constraints. Capable of producing a wide range of mixes to world standards, the modular design of the plant enables quick and easy erection/dismantling allowing for rapid and efficient movement between contracts. The engineering quality, focused on all aspects of the plant's operation, is aimed at maximising production, increasing running reliability and minimising maintenance cost.

Aggregate Feed Unit, Belt Feeders & Collecting Conveyor

Compact, robust, modular cold feed unit with a choice of number and configuration of hoppers with high accurate AC variable speed inverter controlled direct drive motor/ gear units.

Aggregate Dryer

Easily transported aggregate dryer with advanced design of internal lifters optimising 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 StarBatch 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)	m³	10.0
Hopper Loading Width	m	3.0
Belt Feeder Length	m	1.7
Belt Width	mm	500
Belt Feeder Drive	kW	2.2
Vibrator Fitted to Sand Hopper		YES
Collecting Conveyor Width	mm	500
Collecting Conveyor Drive	kW	5.5
Aggregate Dryer		
Dryer Drum Diameter	m	1.5
Dryer Drum Length	m	6.5
Dryer Drive	kW	22.0
Dryer Capacity	t/h	80
Air Volume		
Dryer	m³/h	29,080
Mixing Section	m³/h	7,650
Total	m³/h	36,730
Hot Stone Elevator, Screen & Mixing Section		
Elevator Capacity	t/h	90
Drive	kW	11.0
Screen Decks	No.	2 or 3.5
Screen Length	m	3.0
Screen Width	m	1.0
Screen Drive	kW	11.0
Hot Storage Capacity	t	20
Hot Storage Bins	No.	4 or 6
Aggregate Weigh Hopper Capacity	kg	1250
Bitumen Weigh Hopper Capacity	kg	150
Filler Weigh Hopper Capacity	kg	200
Paddle Mixer Capacity	kg	1250
Paddle Mixer Drive	kW	2 x 11.0

*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

JUN19

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