

StarMix 5000



400tph Asphalt Plant

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. Behind this is the quality of its engineering, with all aspects of its operation aimed at maximum production coupled to high running reliability with low maintenance.

COLD FEED

Hoppers

Hopper Capacity 18 m³ heaped
Hopper loading width 5 m

Belt Feeders

Length 2.8 m
Width 800 mm
Drive 5.5 kW
Capacity 260 tonnes/hour
Vibrator fitted to sand hopper

Collecting Conveyor

Width 1000 mm
Drive 11.5 kW

AGGREGATE DRYER

Drum Diameter 3.1 m
Drum Length 11.0 m
Dryer Drive 4 x 37 kW
Capacity 410 tonnes/hour*

Air Volume m³/hour

Dryer 124,230
Mixing Section 20,400
Total 145,130



Cold Feed

Compact transportable cold feed unit with built in collecting conveyor and dryer feed conveyor. Direct drive motor/gear units give high reliability. High turndown ratio gives accurate control of feed rate. Variable speed control via AC motor and inverter.



Aggregate Dryer

Transportable unit with high efficiency internal lifter design. Optional insulated and clad drum. Fitted with advanced multi-fuel burner.

Features

- Flexibility of plant layout-conventional or high level design
- Quality engineered-low maintenance operation
- Environmental design-sheeted and clad to customers requirements
- High thermal efficiency dryer
- Galvanised platforming and integral stairways including secondary emergency access
- Fully automatic controls
- Range of optimal equipment
- Multi-fuel burner

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Hot Stone Elevator

Elevator Capacity 420 tonnes/hour
Drive 45 kW

Screen

Decks 4.5 (6) sizes plus rejects
Length 5.0 m
Width 2.7 m
Drive 2 x 18.5 kW

Hot Storage Hoppers

No of Hoppers 6
Capacity 70 tonnes

Paddle Mixer

Batch Capacity 5250 kg
Drive 2 x 55 kW

Weigh Hopper Capacities

Aggregate 5250 kg
Filler 1050 kg
Bitument 750 kg

Mixing Tower

Compact, low profile tower arrangement with vertical elevator and heavy duty screen with fully sealed dust housing. Batch weigh hoppers for aggregate, bitumen and filler, all load cell mounted.



Twin shaft, direct motor drive, high efficiency paddle mixer. Hard wearing abrasive resistant liner plates, paddle arms and tips. Discharge to truck or mixed material storage facility.



Control systems

Range of control options from key pad to PC-based, fully automatic systems, with programmable recipe storage.

