

RoadStar 1000



80tph Mobile Asphalt Plant

RoadStar 1000 is a highly efficient mobile asphalt mixing plant capable of producing a wide range of mixes to world standards. The two main units of the plant – cold feed with dryer and mixing section – are all road towable, and on arrival on site can be brought quickly into operation. Mixing section can be equipped with hydraulic jacks.

COLD FEED

Hoppers

Hopper Capacity 5 m³ heaped
Hopper loading width 3 m

Belt Feeders

Length 1.2 m
Width 500 mm
Drive 2.2 kW
Capacity 80 tonnes/hour
Vibrator fitted to sand hopper

Collecting Conveyor

Width 500 mm
Drive 2.2 kW

Cold Feed Elevator

Capacity 90 tonnes/hour
Drive 5.5 kW

Travelling Width 2.5 m
Travelling Length 16 m

AGGREGATE DRYER

Drum Diameter 1.5 m
Drum Length 6.5 m
Dryer Drive 22 kW
Plant Capacity 80 tonnes/hour*

Air Volume m³/hour

Dryer 22,400
Mixing Section 6,100
Total 28,500

Travelling Width 2.5 m
Travelling Length 16 m



Cold Feed/Aggregate Dryer

Compact road towable cold feed unit with built in collecting conveyor and short dryer feed elevator. Belt feeders can be rolled inwards and hoppers folded for travelling. 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 features high efficiency internal lifter design.



Screening/Weigh/Mixing Section

Features

- Fully mobile road towable units
- Minimum foundations
- Fast on-site erection
- High efficiency burner
- Electronic load cell weighing
- Standard width conveyor belts

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Hot Stone Elevator

Elevator Capacity	90 tonnes/hour
Drive	7.5 kW

Screen

Decks	2
Length	3.0 m
Width	1.5 m
Drive	7.5 kW

Hot Storage Hoppers

No of Hoppers	4
Capacity	8 tonnes

Paddle Mixer

Batch Capacity	1000 kg
Drive	2 x 11 kW

Weigh Hopper Capacities

Aggregate	1000 kg
Filler	200 kg
Bitumen	200 kg

Plant Layout

Mixing section: Compact, low level, towable unit with integral vertical elevator, which folds down for travelling. Heavy duty screen with fully sealed dust housing. Batch weigh hoppers for aggregate, bitumen and filler, all load cell mounted.



Fully synchronised twin shaft, direct motor drive, high efficiency paddle mixer. Hard wearing abrasive resistant liner plates, paddle arms and tips. Discharge into truck or storage facility.

Highly efficient chassis mounted bag filter with fan unit, For secondary dust collection (optional).

Control system – insulated and clad cabin with range of control options from key pad to PC-based, fully automatic systems.