Parker
PLANT LIMITED

RoadStar 2000

Mobile Asphalt Batch Plant

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Quality Engineered
Excellence Since 1911

160t/h* - Mobile Asphalt Batch Plant

- Fully mobile road towable units
- Minimum foundations
- Fast on-site erection
- Factory pre-wired & fully tested
- Inverter controlled exhaust fan
- Dust filter emissions less than 20mg/m³

The Parker RoadStar 2000 is a highly efficient mobile asphalt mixing plant capable of producing a wide range of mixes to world standards. The three main units of the plant - cold feed, aggregate dryer and mixing section - are all road towable, and on arrival to site can be brought quickly into operation.

Mobile Cold Feed Unit (3 or 4 hoppers) + Sand Vibrator

Compact road towable cold feed unit with built in collecting/dryer feed conveyor. Direct drive AC motor/gear units and inverter give high reliability whilst a high turndown ratio provides accurate control over the feed rate. Three or four bin options are available.

Mobile Aggregate Dryer & Chassis Mounted Primary Dust

Road towable unit with high efficiency internal lifter design. Optional Insulated and clad drum. Fitted with advanced multi fuel burner. Chassis mounted multi-bank cyclone unit for primary dust collection.

Mobile Mixing Section & Control System

Compact, low level, towable unit with integral vertical hot stone elevator, which folds down for travelling. Heavy duty screen with a fully sealed dust housing. Batch weigh hoppers for aggregate, bitumen and filler are all load cell mounted. The RoadStar has a fully synchronised twin shaft, direct motor drive, high efficiency paddle mixer, hard wearing abrasive resistant liner plates, paddle arms and tips are standard. Material discharge is either into a mixed material storage unit or direct into truck.
Dependant on location the RoadStar 2000 is available with optional 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.

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	650
Belt Feeder Drive	kW	2.2
Vibrator Fitted to Sand Hopper		YES
Collecting Conveyor Width	mm	650
Collecting Conveyor Drive	kW	5.5
Aggregate Dryer		
Dryer Drum Diameter	m	2.2
Dryer Drum Length	m	8.0
Dryer Drive	kW	4 x 15.0
Dryer Capacity	t/h	180
Air Volume		
Dryer	m³/h	62,560
Mixing Section	m³/h	10,030
Total	m³/h	72,590
Hot Stone Elevator, Screen & Mixing Section		
Elevator Capacity	t/h	170
Drive	kW	11.0
Screen Decks	No.	2 (4 size + rejects)
Screen Length	m	5.0
Screen Width	m	1.8
Screen Drive	kW	11.0
Hot Storage Capacity	t	17.7
Hot Storage Bins	No.	4
Batch Elevator Capacity	t/h	170
Batch Elevator Drive	kW	7.5
Aggregate Weigh Hopper Capacity	kg	2000
Bitumen Weigh Hopper Capacity	kg	320
Filler Weigh Hopper Capacity	kg	420
Paddle Mixer Capacity	kg	2000
Paddle Mixer Drive	kW	2 x 22.0

*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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