



RoadStar 1000

Mobile Asphalt Batch Plant



Quality Engineered
Excellence Since 1911

Parker 'RoadStar 1000' - 80tph

The Parker 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 & aggregate dryer as well as the mixing section, cabin and bag filter as an option, are both road towable and on arrival to site can be brought quickly into operation. To further speed up the relocation process the mixing section can be equipped with hydraulic jacks.

Mobile Cold Feed / Aggregate Dryer



Compact road towable cold feed unit with built in collecting conveyor & short dryer feed elevator. Belt feeders can be rolled inwards and hopper spill plates folded for travelling. Direct drive AC motor/gear units and inverter give high reliability whilst a high turndown ratio provides accurate control over the feed rate. Aggregate dryer can be fully insulated and incorporates a high efficiency internal lifter design.

Mobile Mixing Section / Dust Filter / Control Cabin



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 gear-motor drive, high efficiency paddle mixer with hard wearing abrasive resistant liner plates, paddle arms and tips as standard. Material discharge is either into a mixed material storage unit or truck. Dependant on location the RS1000 is available with optional chassis mounted 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.

RS1000 DATA

COLD FEED / DRYER											MIXING SECTION / DUST FILTER / CONTROL CABIN												
Hopper Capacity	Loading Width	Belt Feeder Width	Feeder Centers	Belt Feeder Drive	Collecting Conveyor Width	Collecting Conveyor Drive	Cold Feed Elevator Capacity	Cold Feed Elevator Drive	Dryer Size	Dryer Drive	Dryer Capacity	Hot Stone Elevator Capacity	Hot Stone Elevator Drive	Screen Size	Screen Drive	Hot Stone Silo Capacity	Aggregate Weigh Hopper	Filler Weigh Hopper	Bitumen Weigh Hopper	Paddle Mixer Capacity	Paddle Mixer Drive	Filter Area	Total Airflow
m ³	mm	mm	mm	kW	mm	kW	t/h	kW	m	kW	t/h	kW	kW	m	kW	t	kg	kg	kg	kg	kw	m ²	m ³
5.0	3000	500	1200	2.2	500	5.5	90	5.5	1.5 x 6.5	22.0	80	90	5.5	1.5 x 3.0 2 deck	7.5	8.0	1000	200	200	1000	2 x 11.0	334	49,735

NOTE: Details of the above refer to a standard plant configuration designed to produce up to 80 tonnes/hour with a mineral feed containing 3% moisture 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, 3% Filler and 45 second weigh/mix cycle at 100% plant utilisation.
OPERATING CONDITIONS: Accurately graded good quality aggregates (not porous or flaky), with feed rate matched to recipe proportions, and 100% utilisation. Mix recipe not containing excessive proportions of any one size. Residual Moisture = 0.5% - Fuel Oil Calorific Value = 45.2MJ/kg - Bulk Density (kg/m³): Aggregate = 1600, Filler = 1120, Mixed Product = 1800

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