



DATA SHEET

2026-08-26

Category	Parameter	Technical data
General Data	Product type	Mobile hot asphalt mix manufacturing unit
	Main purpose	On-site production of hot asphalt mix for asphalt repair
	Installation platform	Enclosed 20 ft container with weather protection
	Installation configurations	Container or Container with hook lift equipment
	Protection	Durable all-steel construction with lockable doors
	Operational autonomy	Fully self-sufficient without external energy supply
	Operating conditions	Year-round in all weather conditions, -30...+50 °C
	Transport configurations	Hook lift truck or any 20 ft container-compatible transport bed, depending on configuration
	Operating configurations	On truck, on ground, or standing on legs
	Container access	Side and rear doors with ladders
	Safety concept	CE marked – certified to meet relevant EU safety, health, and environmental standards
	Allowed fuel types	Diesel, biodiesel and HVO
	Fuel capacity	Combined fuel tank with capacity of 500 liters (same tank for the diesel and the burners)
	Operating principle	Batch-type hot asphalt production with 100–1,100 kg capacity per batch
Control System	Production capacity	Up to 6,000 kg per hour, with repair coverage of approx. 35 m ²
	Control system	PLC process control
	Control system base	Parker IQAN
	Control system user interface	Robust 10" touchscreen user interface
	External indicators	External Green / Amber / Red system status indicators
	Control system operating voltage	12V
	Isolator switch	Electrically controlled system main isolator
Generator	Battery	12V battery for diesel start, for the control system and for the 12V process operations
	Diesel engine brand	Mitsubishi S4L2
	Diesel engine type	1758cc, 4cyl, diesel with max power of 14,3kW
	Engine cooling	Liquide cooling
	Engine fuel consumption	Max 4,6 l/h
	Engine service interval	Daily checks, oil change service every 250h, full service program every 500h.
	Engine access	Inside the container or can be easily pulled out with a forklift
	Generator type	BTO
	Generator drive	Direct drive with elastic coupling
	Generator power	15000 VA
	Generator Voltage	400/230/12 V
Hydraulic system	Generator fuse	Automatic 4 x 20A
	Generator by pass	Yes, external electric power supply is possible.
	Hydraulic power unit	12V 1,6kW
	Hydraulic system capacity	4 l/min
	Hydraulic oil type	ISO 32
Bitumen Boiler	Hydraulic reservoir	Steel tank with capacity of 6 liters
	Hydraulic pressure	Max 180 bar, separate pressure reducing valve for the bitumen valve operation.
	Bitumen boiler type	Steel structure with double wall, temperature isolation and integrate burner housing
	Bitumen boiler loading	Manually from the top with openable hatch.
	Bitumen boiler capacity	800 liters of hot bitumen, sufficient for >11,000 kg of hot asphalt
	Bitumen boiler temperature control	Dual point temperature measurement
	Bitumen boiler temperature sensors	2x Wika TR10-C
	Bitumen burner brand	Oilon
	Bitumen burner type	B 30 A2.2H
	Bitumen burner operating voltage	230V
	Bitumen burner power	55-175 kW
	Bitumen burner control	Automatic temperature base contactor control
	Bitumen burner fuel supply	Self priming from the common fuel tank via fuel filter system
	Bitumen temperature	Target temperature 140-160 °C
Bitumen Pump	Bitumen pump type	Internal gear pump with heating jacket
	Bitumen pump capacity	Max 3,1 m ³ /h
	Bitumen pump motor	Size 100 IEC/IE3, 3x400V, 2,2kW
	Bitumen pump motor drive	Speed control is achieved through a variable frequency drive (VFD)
	Bitumen pump VFD	Parker AC20
	Bitumen pump gear	Type SK571.1 with output speed of 429RPM
	Bitumen pump valve	Hydraulically operated three way ball valve with heated jacket, Size DN50
	Hot bitumen take off	Optional bitumen take off line available





Aggregate Silo	Aggregate silo structure	Steel structure with heating jacket
	Aggregate silo capacity	3.7 m ³ or 5,600 kg, sufficient for approx. 6,000 kg of hot asphalt
	Aggregate silo loading	Openable sliding hatch at the top. Machine loading from the top.
	Aggregate feed gate	Hydraulically operated gate.
	Feed boost method	Electrically driven eccentric vibrator
	Feed boost type	MVCC 12VDC
Aggregate Heating	Aggregate burner brand	Oilon
	Aggregate burner type	B 40 A2.2H
	Aggregate burner operating voltage	230V
	Aggregate burner power	110-320 kW
	Aggregate burner control	Automatic temperature base contactor control
	Aggregate burner fuel supply	Self priming from the common fuel tank via fuel filter system
	Aggregate dust management	Exhaust line ejector
	Aggregate temperature control	Electronic temperature measurement
	Aggregate temperature sensor	1x Wika TR10-C
Asphalt Mixer	Aggregate target temperature	150-160 °C
	Asphalt mixer type	Pan mixer with rotating mixer blades
	Asphalt mixer structure	Steel structure with double wall, temperature isolation and integrate burner housing
	Asphalt mixer motor	3x400V, 15kW
	Asphalt mixer motor drive	Speed control is achieved through a variable frequency drive (VFD)
	Asphalt mixer VFD	Parker AC20
	Asphalt mixer primary gear	Worm gear 1:32
	Asphalt mixer secondary gear	Bevel gear 90 degrees 1:2
	Asphalt mixer service access	Manually openable top cover with hinges and open position lock
	Asphalt mixer maintenance	Daily check, cleaning and wear part service as needed
	Asphalt mixer diameter	2000mm
	Asphalt mixer capacity	Max 1100kg
	Asphalt mixer wear parts	Bolt mounted mixer blades
	Hot asphalt discharge	Rear-side discharge via manually operated discharge gate and chute
	Discharge chute	Base ramp with manually installed extension
	Hot asphalt temperature	Approx. 150 °C at discharge
Weight Control	Material scale	Automatic electronic scale with four scaling sensors
	Scale sensor type	CPX series compression load cell
	Scale accuracy	+/- 1kg
	Scaling process	Continuous
Dimensions and Weight	Length w/o hook lift	6,1m
	Width w/o hook lift	2,5m
	Height w/o hook lift	2,6m
	Length w/ hook lift	6,5m
	Width w/ hook lift	2,5m
	Height w/ hook lift	2,8m
	Empty weight	Approximately 5,200 kg (depending on final configuration)
	Fully loaded weight	Approximately 11,000 kg

DISCLAIMER:

Specifications and technical data are subject to change without notice as a result of continuous product development and improvements. Performance, dimensions, weights, and other values may vary depending on customer-specific configurations, optional equipment, and operating conditions

