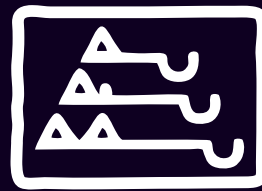


PUMA 5

MIXER
STABILIZER
CRUSHER



CELZ GMBH
IMPORT/EXPORT



Cost-effective, Fast, Sustainable

Other than conventional reclaimers or mixers the Puma 5 is equipped with a crushing device. This crushing chamber unites two systems on one rotor: a mixer and a breaker. Due to this innovation it is possible to use in-situ brash instead of transporting the needed gravel from the quarry. This is not only cost-saving but also by far the quickest way to lay a solid fundament for tarmac roads or a sustainable topping for a macadamised road.

Enginge	Mercedes-Benz OM 502 LA V8
Net Power (DIN)	375 kW/510 HP
Rotor Width	2050 mm
Rotor Revolutions	640 rpm
Penetration Depth	400 mm
Length /Width / Height	7.500 / 2.650 / 3.100 mm
Operating Weight with Rotor	17.000 kg
Speed	0-15 mph



BEFORE

All fine particles stabilising the topping layer of the road were washed out by rain.

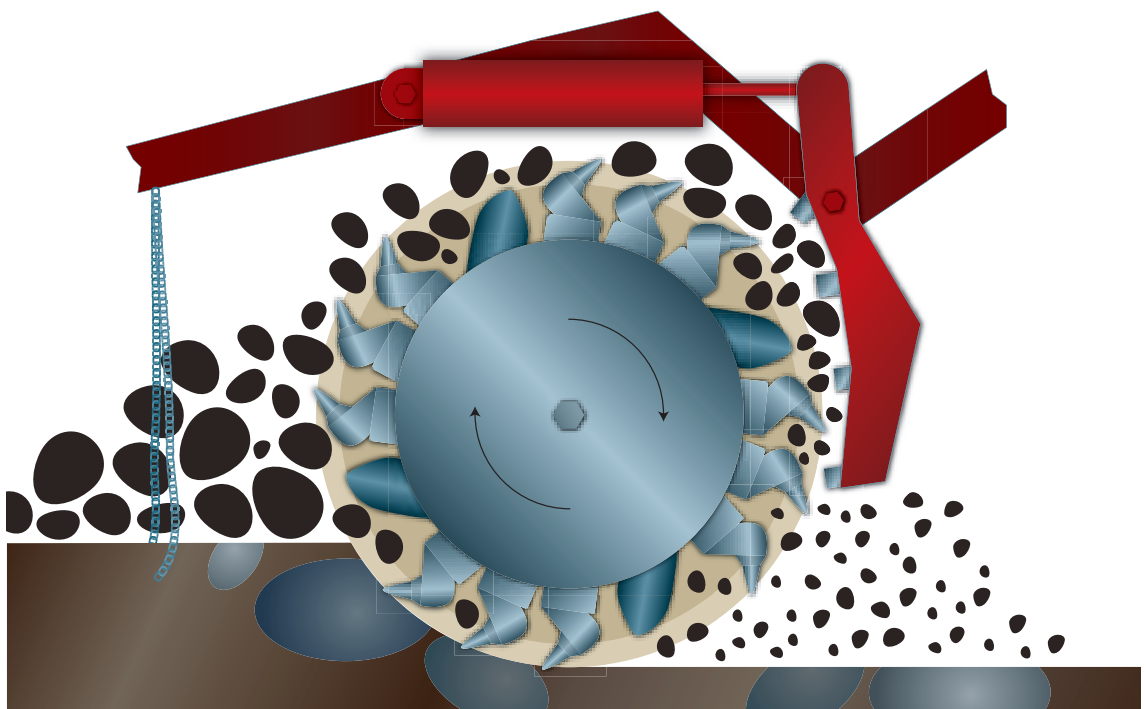
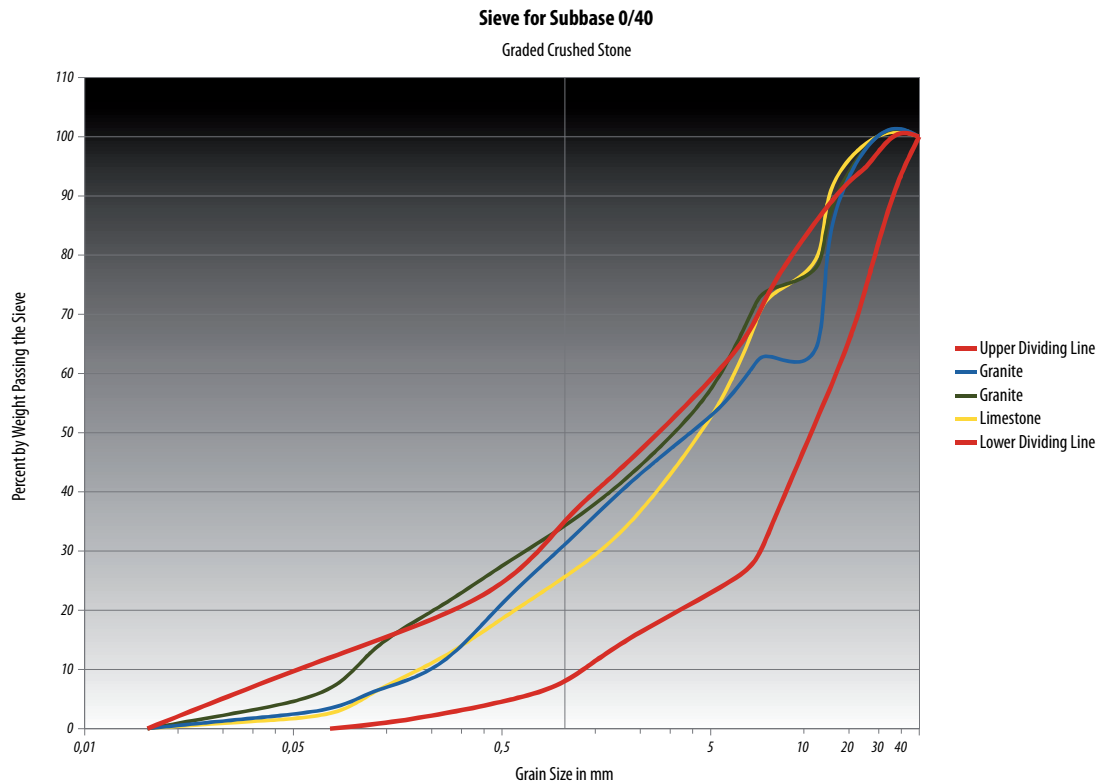


AFTER

In only one cycle a topping layer with an evenly distributed grain size curve has been produced.

MODE OF OPERATION

The breaker chamber unites two systems in one rotor: a series of chisels and breaker tools combined with the hydraulic movable breaker lid are crushing material of any hardness into pieces. With its four breaker borders and the remotely controlled hydraulic breaker lid, it is possible to exactly adjust the final grain-size distribution curve. The milling process results in different particles, sized from 0.5 up to 70 mm and mixes them with the natural fine portion, according to the grading curve. The cicels can be replaced without any special tools. A hammer will do the job.



CABIN

High ergonomomy standards match with the high-performance machine. A comfortable air-cushioned seat provides the driver with excelent overview. The sound insulation and good ventilation assure a userfriendly working environement. Radio and air conditioning are available extras.



MERCEDES BENZ ENGINE

The 510 HP Mercedes-Benz turbo diesel V8 engine with blue-tec® guarantees optimum energy allocation at paltry fuel consumption. Normaly an increase in air temperature leads to lower power output. The turbocharger with intercooler improves the volumetric efficiency by increasing intake air charge density through isochoric cooling. The result is an ideal performance even in hot climates.

ADJUSTABLE CRUSHING CHAMBER

With its four breaker borders and the remotely controlled hydraulic breaker lid, it is possible to exactly adjust the final grain-size distribution curve. The milling process results in different particles, sized from 0.5 up to 70 mm and mixes them with the natural fine portion, according to the grading curve. The chisels can be replaced without any special tools. A hammer will do the job.

ROTOR

The breaker chamber unites two systems on one rotor: a series of chisels and breaker tools combined with the hydraulic moveable breaker lid are crushing material of any hardness to pieces. Stones of up to a diameter of 15 inch can be crushed into a suitable construction material.



FOUR WHEEL HYDROSTATIC DRIVE

The oil pump of the hydrostatic drive is directly flanged to the main engine. The two gear box allows crawling as well as transition speeds. Power is mechanically transmitted to the front and the rear axle by a cardan shaft. The axles are equipped with a fully lockable differential lock. This assures high traction in most difficult terrains. Both, the front and the rear axle, are also endowed with an independent steering system where the front axle is driven by a steering-wheel and the rear axle is pedal-controlled.

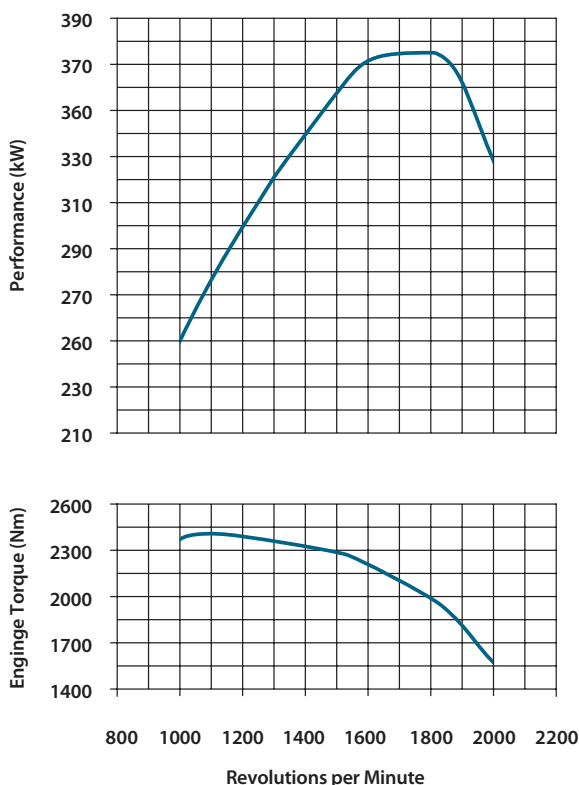


MERCEDES-BENZ OM 502 LA

Cylinders	V8
Engine Displacement	1593 ccm
Max. Engine Torque	2400 Nm
Average diesel consumption	35 l/h

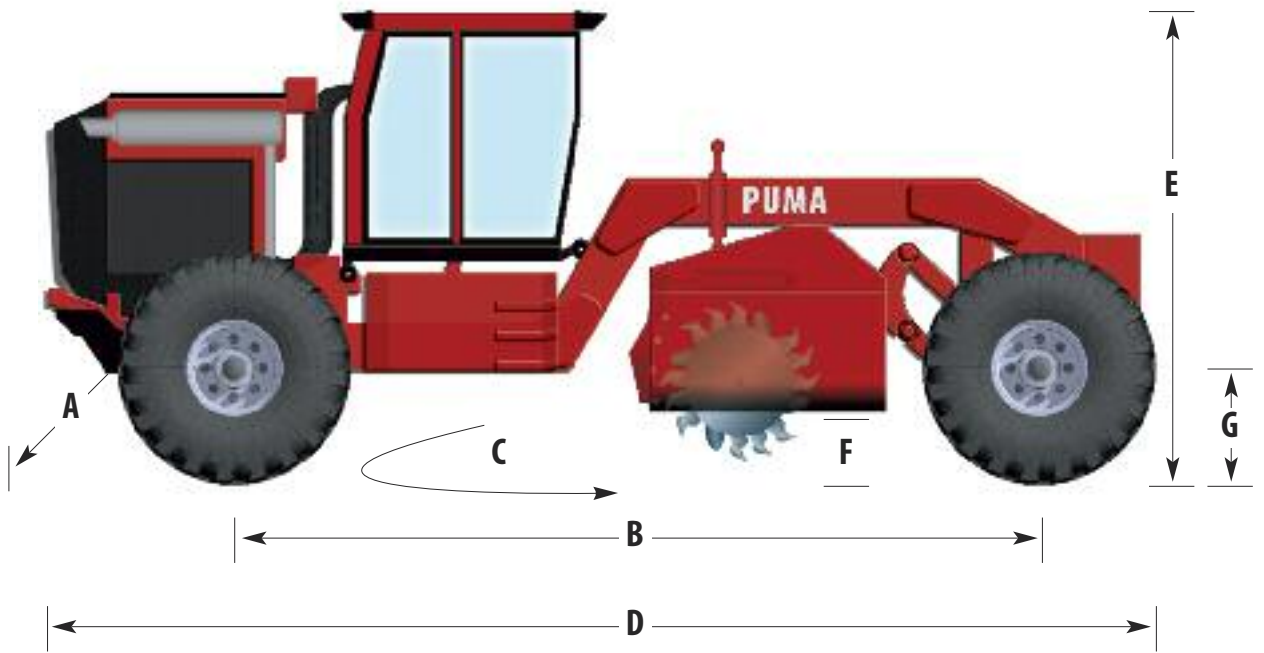
V8 TURBOCHARGER WITH INTERCOOLER

The V configuration of the OM 502 reduces the overall engine length, height and weight compared to an equivalent inline configuration. The Mercedes-Benz blue-tec® technology guarantees optimum energy allocation at paltry fuel consumption. The filter system, lubrication and hydrolic fluids are optimized in order to meet the needs of the sub-sahara conditions. Owing to its lower density hot air leads to lower engine performance. The turbocharger with intercooler improves the volumetric efficiency by increasing intake air charge density through isochoric cooling. The result is an optimal performance even in hot climates.



OPTIONAL EQUIPMENT

ITEM	ITEM NUMBER
Customised Colouring	Standard (RAL 3000) 51000
	RAL-Color 51001
	According to Customers Specifications 51002
	Twin-Tone 51003
Cabin Radio	52001
Air Conditioning	52002
Spareparts	Set of Spare Chisels 53001
	Set of Spare Tools 53002
	Set of Bedges 53003
	Breaker Lid 53004/1-4
	Tyre 54184
	Hydraulic Liquid 54200



TECHNICAL SPECIFICATIONS

DIMENSIONS

A Wheel Base	2500
B Axle-Base	5150
C Inner Turning Clearance Circle	6900
D Length Over All	7500
E Height Over All	3100
F Clearance underneath Rotor	300
G Clearance underneath Front Axle	400

WHEELS AND TYRES

Steel Fortified Rims	DW16A
Dimension	18.4 R26
Ply Rating	12
Tyre Tread Pattern	TRS-LS2 SF
Load-carrying Capacity at 6 mph	3900 kg
Rolling Circumference	4291 mm

REFUELING AND HYDRAULICS

Diesel	650 l
Hydraulic Liquid	180 l
Max. Hydraulic Pressure	210 bar
Working Hydraulic Pressure	180 bar

WEIGHTS

Dead Weight	17.000 kg
Rotor Weight	6.900 kg

ELECTRICAL SYSTEM

Voltage	24 V
Orange Warning Lights	2 Front
Floodlights	2 Rear / 4 Front / 4 Rear

SPEED

Working Gear	0 - 3 mph
Transportation Gear	0 - 15 mph

ROTOR

Rotor Hood Width	2650 mm
Rotor Width	2050 mm
Milling in Loose Material	400 mm
Milling in Compressed Material	150 mm
Max. Diameter of Crushable Material	390 mm
Stabilization	550 mm
Revolutions	640 rpm
Carbide Tipped Mining Chisels	77 pcs.

Ölz GmbH
Wimmatweg 4
6830 Rankweil
Austria

Telephone +43 676 32 16 842
Telefax + 43 5522 20 701
E-Mail info@oelzgmbh.com
Website www.oelzgmbh.com



QRCode



DataMatrix