



DR400

DOUBLE ROLLS CRUSHER



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More than machines, we build trust.



DOPPIATRAC DR400

The DR400 double-roll crusher is a track-mounted, self-driven, feeding, crushing and stockpiling machine for use in medium to hard bituminous coal crushing applications and is fitted with a purpose-designed 3636 double drum roll crusher. When it comes to fines minimisation, there is no better crushing solution than a double-roll crusher. The roll crusher forces material through a constantly maintained gap, which uses only enough energy to crush the material down to the size of the gap.

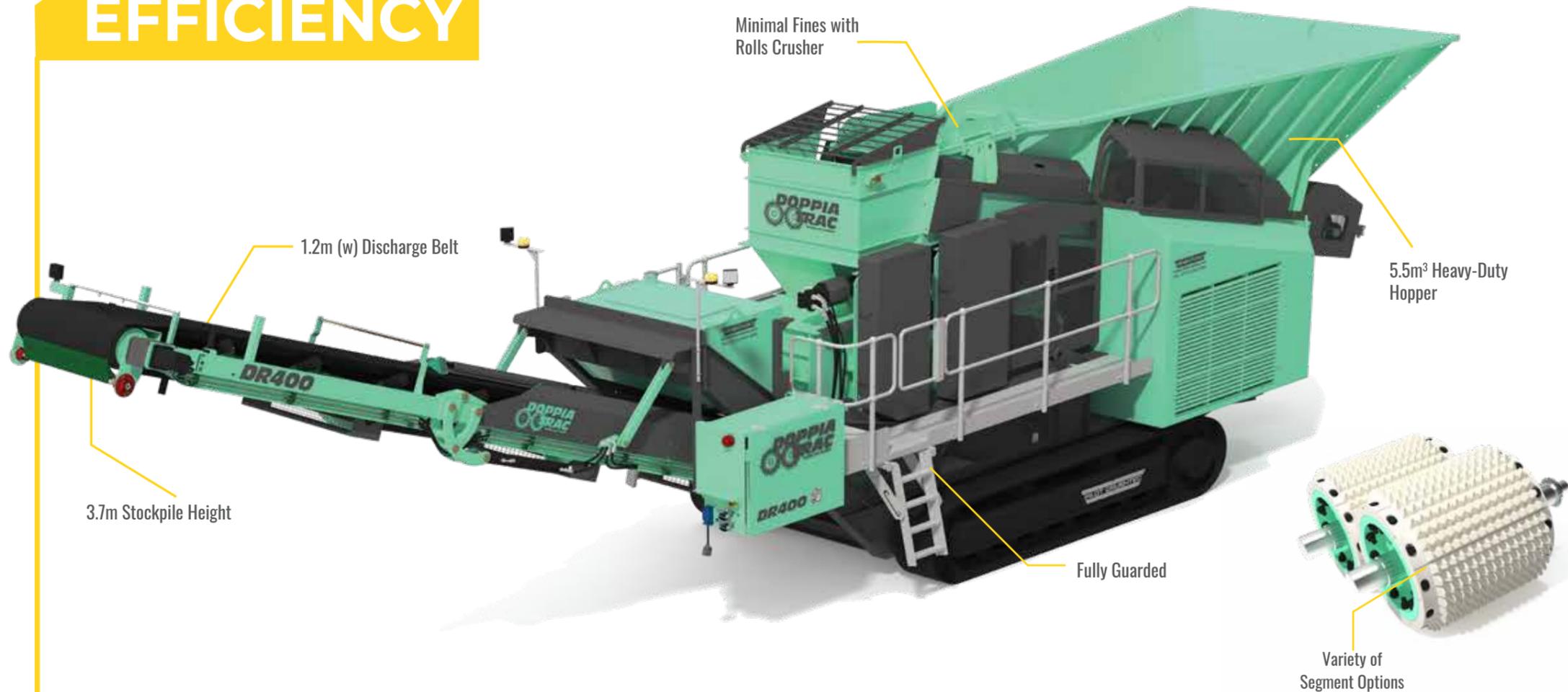
The heavy-duty design comes standard with safety features and has a proven performance rating. Through thousands of hours of in-field experience, the DR400 has been influenced with a safety-focused design. Full guarding around all access points, nip points and crushing points minimises the possibility of injury. Safety pull cords around the machine's conveyors and five emergency-stop buttons strategically located around the DR400, ensure that this unit is quick to isolate at the first sign of an emergency. The DR400 also has a mandatory sequential start-up sequence, with audible warnings prior to the start of each function, providing a clear warning sound to all personnel that may be within an unsafe radius.

Key Benefits

- Guaranteed product sizing in one pass as small as 35mm without the need for post screening
- Feed size up to 180mm
- Fully site mobile with a quick set up time
- Unique crushing action which minimises fines generation
- Can work independently with loaders or interlocked as part of a crushing train with upstream and downstream communication
- Highly efficient, latest generation Volvo engine
- Effective crushing method that consumes low kilowatts per ton produced
- Low transport weight and compact transport dimensions
- Designed and manufactured to suit mining conditions
- Fully guarded with all the latest safety features



DRIVE FOR EFFICIENCY



WHY CHOOSE THE DOPPIATRAC DR400?

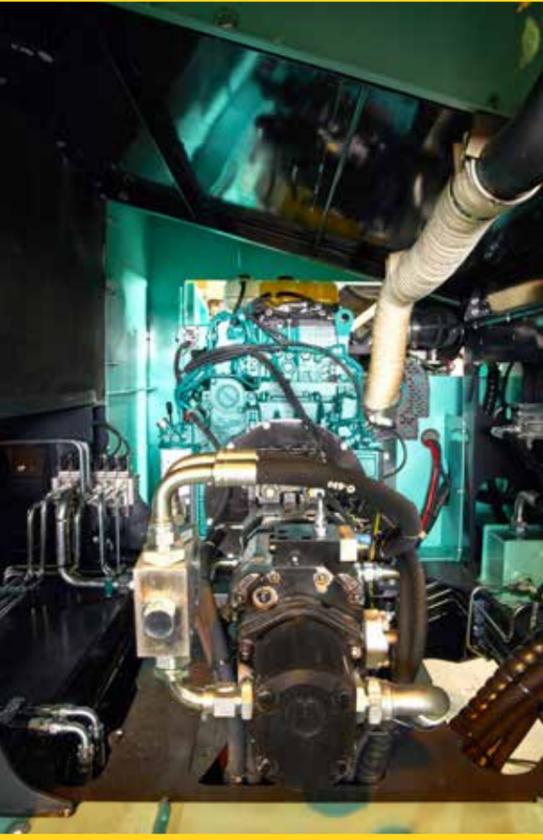
- Precision & Efficiency:** Crushes coal at up to 400mtph delivering a consistent, cubical product.
- Versatile & Mobile:** Flexible for any site or setup, and integrates with crushing trains.
- Robust & Reliable:** Built for harsh conditions with compact design ensuring durability and easy transport.
- Safety-Focused:** Equipped with guarding, pull cords, emergency stops, and audible start-up warnings for enhances operator safety.

SOFT & HARD COAL

- Lignite: (Brown Coal)**
Uses: Primarily used for electricity generation.
- Sub-Bituminous Coal:**
Uses: Used for electricity generation.
- Bituminous Coal: (Soft Coal)**
Uses: In the production of steel (coking coal) and cement industry.
- Anthracite: (Hard Coal)**
Uses: Used in industrial settings, the metals industry, and for heating systems.

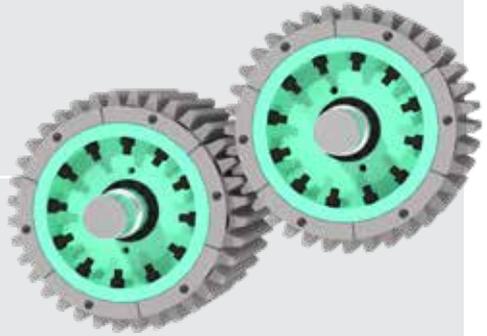


TAILORED CRUSHING ACTION



DOPPIATRAC DR400

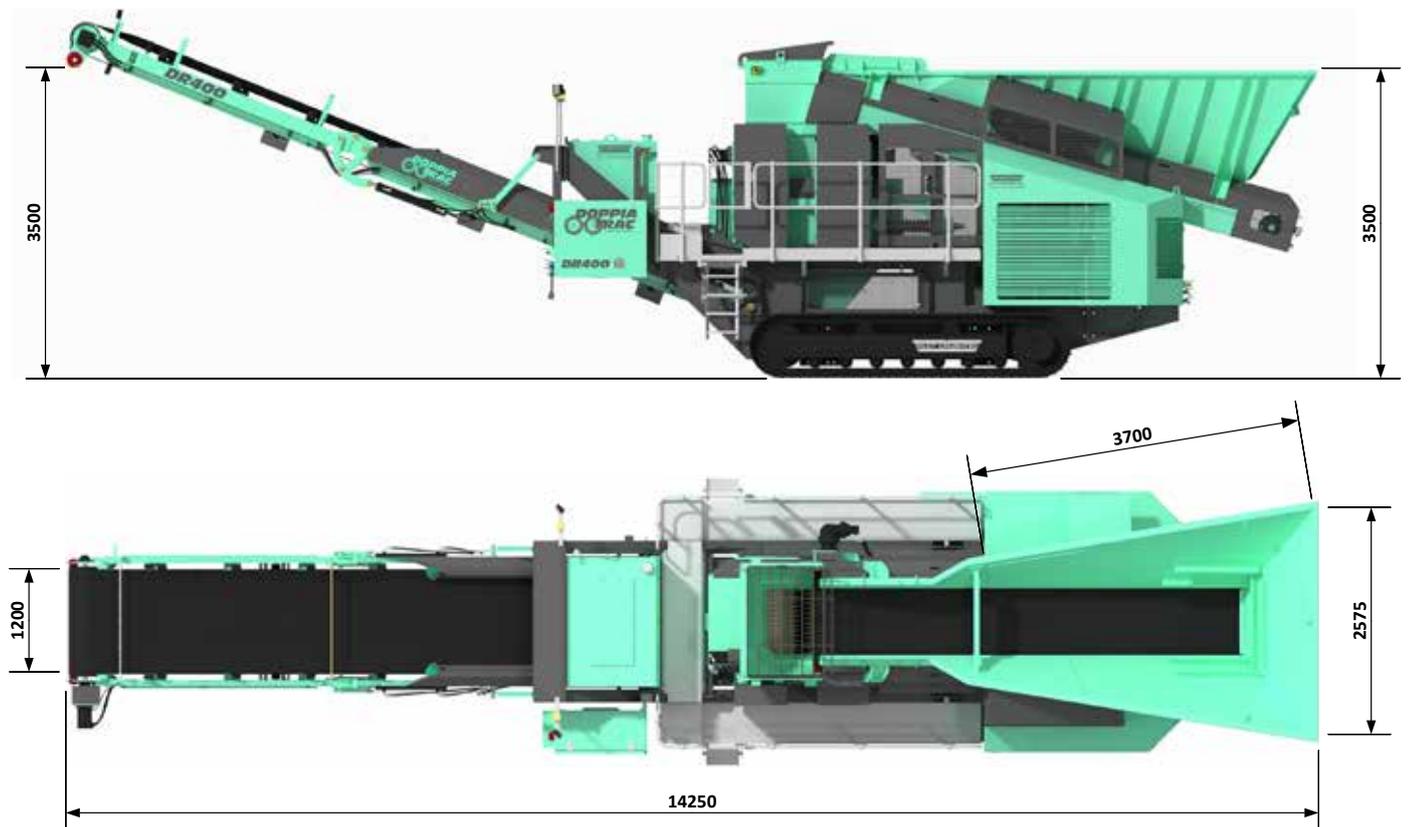
TECHNICAL SPECIFICATIONS

Crusher	<p>Dual hydraulic drive Drum segment options dependent on applications Dual direction to clear blockages Replaceable drum segments Side mounted crusher drive for ease of maintenance</p>	
Hopper and Belt Feeder	<p>Heavy-duty feed hopper approximately 5.5m³ Low level drop down rear feed flap 1000mm wide load sensing variable speed conveyor Heavy-duty high torque hydraulic drive Class 630/4 ply belt 5mm top cover, 1.6mm bottom cover Fully skirted and guarded Troughed conveyor belt to minimize spillage and facilitate belt tracking Heavy-duty pre-tensioned belt scraper with replaceable scraper blades</p>	
Discharge Conveyor	<p>1200mm Hydraulic folding for transport, Class 500/3 Ply belt, 5mm top cover, 1.6mm bottom cover 3.5m stockpile height Heavy-duty low friction plastic support slides under discharge feed boot Heavy-duty high torque direct coupled hydraulic drive</p>	
Tracks	<p>Heavy-duty with integrated planetary drives Tracking pendant</p>	
Power	<p>Volvo TAD542VE, 160kW, @2200rpm, Stage 2 engine Heavy-duty exhaust ejector venturi system fitted to intake system Engine monitoring and protection system Diesel tank 700ℓ capacity with low level warning Heavy-duty fuel/water separator</p>	
Hydraulics	<p>Load sensing Suction pressure and return line filtration integrated with the control panel Failsafe interlocks Hydraulic tank 800L capacity with a low-level shutdown High efficiency hydraulic oil cooler</p>	
Electrics	<p>24VDC Electrical system Working lights on the control panel Failsafe emergency-stop circuit Filters with clogging indicators integrated with the control panel</p>	
Weight	<p>24 000kg</p>	

- All capacities quoted are provided as an application aid only. No performance guarantees are expressed or implied
- Higher and lower capacities can be expected and will depend on many factors including:
 - Type of feed material
 - Shape of the material
 - Size and grading of feed material
 - Size and speed for rotor
- Maximum feed size is indicative and will depend on the type of rock, capacity and grading of the feed material
- All dimensions are provided in millimeters (mm), and weights are expressed in metric tonnes



WORKING DIMENSIONS



Please refer to the Specifications Sheet for further dimensioning details.

**SOUTH AFRICA'S LEADING SUPPLIER
OF CRUSHING AND SCREENING EQUIPMENT**

SUPPORT SPARES AND WEARS

SPEAK TO AN EXPERT

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