

Horizontal Directional Drill TERRA-JET DJ 10

Swiss made



TERRA-JET DJ 10

Horizontal Directional Drill



75 HP POWERFUL HATZ DIESEL ENGINE

The **TERRA-JET DJ 10** delivers impressive power, boasting up to **4.2 tons** of thrust and pullback force delivered by a reliable **75 HP HATZ** Diesel engine (Tier 4 final). An incredible **1,800 Nm torque** is achieved at an efficient maximum spindle speed of **200 rpm**. What really sets the **DJ 10** apart from other models are its small footprint and reduced noise level for user comfort which can be set up quickly no matter where you're located - even in tight urban areas or your own backyard.



SMALL AND COMPACT

Moving into tight spaces has never been easier. The **DJ 10** offers a compact design and enhanced mobility, allowing it to fit through doorways as narrow as 1.25 m. Additionally, its rubber crawler system safeguards any surface encountered along the way.



MOVING DRILL RAMP

The drill ramp offers an unparalleled range of motion, with its adjustable angle varying 32 % - 50 % (18° - 27°). Thanks to the rubber tracks superior stability, it provides incomparable stability in any jobsite.

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HIGH QUALITY DRILL RODS

The **TERRA-JET DJ 10** has drill rods that are **2 m** long and a bending radius of **30 m**, allowing you to easily manoeuvre around existing pipes while drilling. With its **90 m** magazine capacity, less rod changing is required which ultimately increases efficiency in operation time.



RUBBER TRACKS

Thanks to its rubber tracks, this equipment offers **unyielding stability** and is able to handle the toughest of terrains - no challenge too great for contractors.

HYDRAULIC ANCHORING SYSTEM

The hydraulic anchoring system features two independent pillars that are equipped with hard-metal teeth ready to securely anchor itself into even the toughest of surfaces such as asphalt and gravel. Each pillar is uniquely adjustable up, down or sideways – meaning it's capable of contorting around pipes underground without any issues.

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DOUBLE CYLINDER DRIVE (PATENTED)

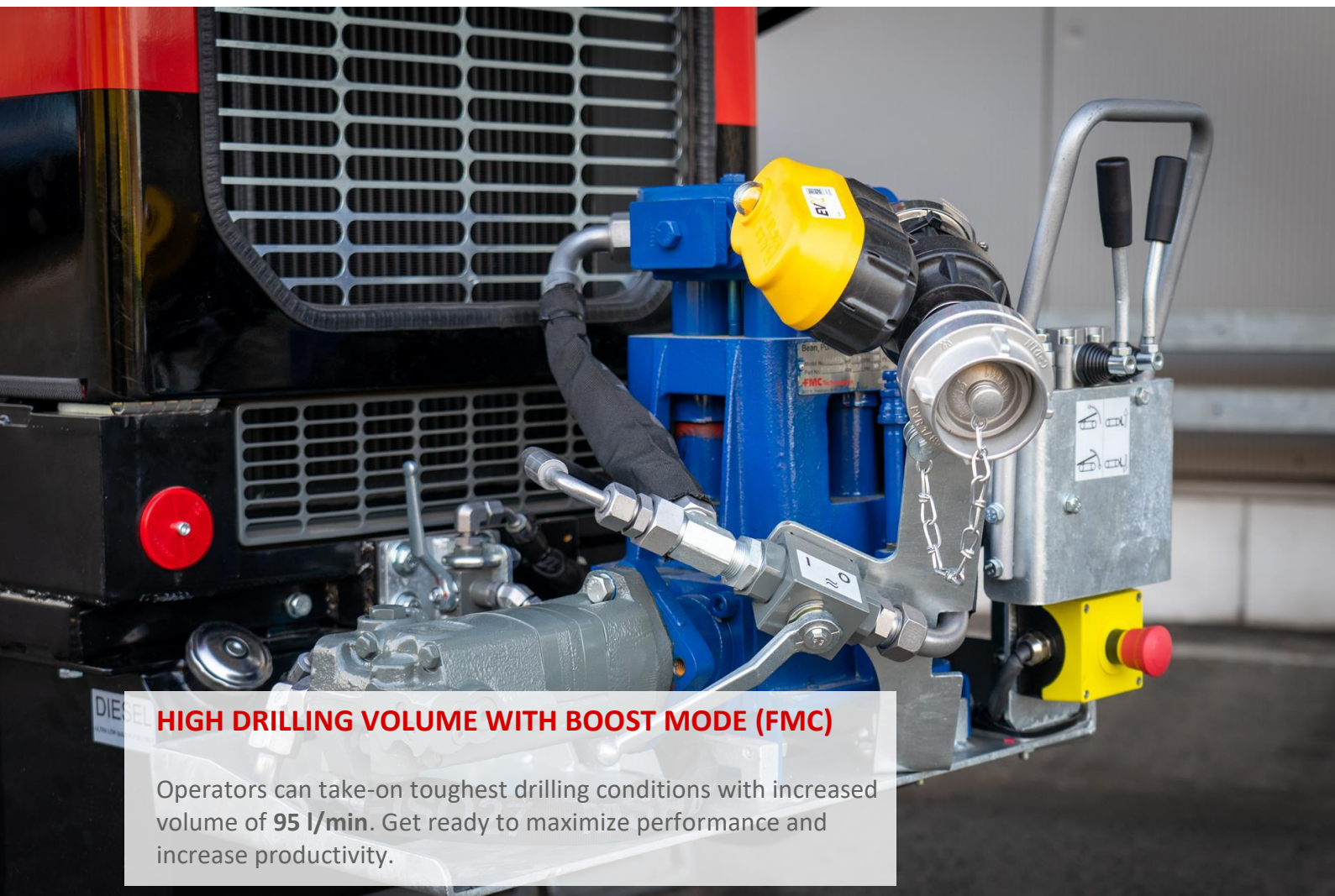
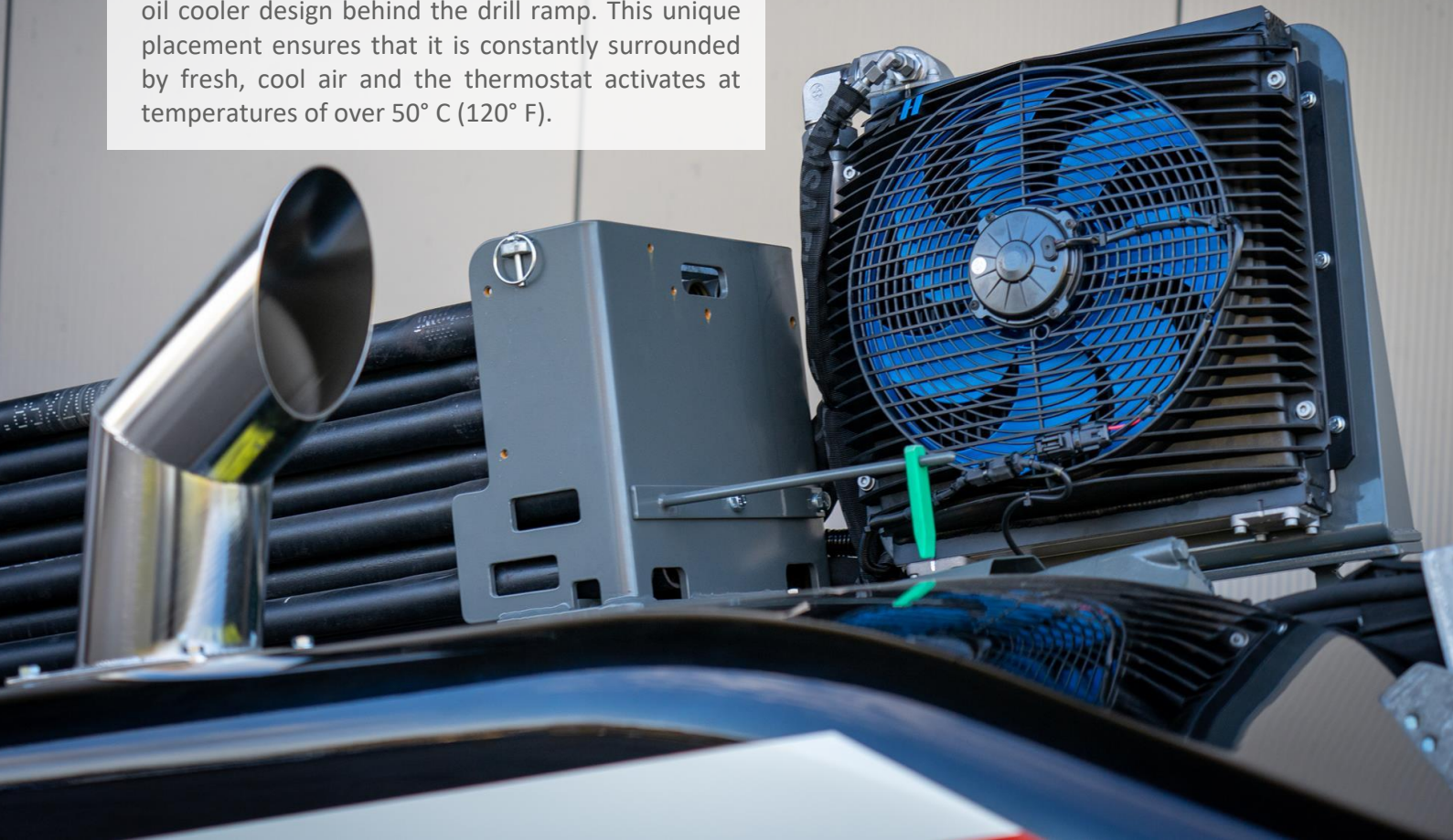
TERRA has revolutionized the drilling and backreaming process with its innovative double cylinder drive, providing a powerful **4 tons** of force in both directions. Its swift quick gear enables **maximum speed** for extraordinary results – reaching up to **46 m/min**. This new system is efficient and reliable without any losses.

OPERATOR'S PLATFORM

The console is **well-organized** and has plenty of room to operate. Drilling can be **performed easily** using the ergonomically designed joystick, while an intuitive instrument panel provides simple control at your fingertips.

OIL COOLER OUTSIDE

The **TERRA-JET DJ 10** features an innovative external oil cooler design behind the drill ramp. This unique placement ensures that it is constantly surrounded by fresh, cool air and the thermostat activates at temperatures of over 50° C (120° F).



HIGH DRILLING VOLUME WITH BOOST MODE (FMC)

Operators can take-on toughest drilling conditions with increased volume of **95 l/min**. Get ready to maximize performance and increase productivity.

SERVICE FRIENDLY DESIGN

All service needs are easily accessible due to the wide opening of the engine cover, allowing quick and efficient maintenance.



BREAK APART SYSTEM

The break apart system offers a robust solution for safely separating drill rod threads with industry-leading torque of 4,500 Nm and applied clamping force up to 10 tons — all while in the perfect vertical position for effortless monitoring.

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Technical Specifications

	METRIC	IMPERIAL (U.S.)
OPERATION		
Thrust/Pullback force	42 kN (4.2 t)	10,000 lbs
Spindle torque, max.	1,800 Nm	1,500 ft.lb
Spindle speed, max.	200 rpm	200 rpm
Carriage travel speed, max.	55 m/min	180 ft/min
Bore diameter, min.	60 – 110 mm	3" – 4.5"
Ground travel speed	4.5 km/h	3 miles/h
POWER		
Engine	HATZ 4H50TICD	HATZ 4H50TICD
Gross horsepower (Tier 4 final)	55 kW	75 HP
Fuel type	Diesel	Diesel
Engine rpm, max.	2.300 rpm	2,300 rpm
DRILLING FLUID SYSTEM (onboard)		
Drilling fluid volume, max.	95 l/min	26 gpm
Drilling fluid pressure, max.	70 bar	1,015 psi
DRILL PIPE		
Drill rod, length	2.00 m	6.6 ft
Drill rod, diameter	∅ 50/42 mm	∅ 2"/1.7"
Bending radius, min.	30 m	100 ft
Onboard capacity	90 m	300 ft
DIMENSIONS		
Dimension L x W x H (transportation position)	4.25 x 1.20 x 2.25 m	14.0 x 4.0 x 8.1 ft
Drill rack entry angle	18 - 27°	32.5 – 50 %
Weight (incl. 45x drill rods)	3.6 t	7,950 lbs
Weight (w/o drill rods)	3.1 t	6,250 lbs
NOISE LEVEL		
Operator sound	85 dB (A)	85 dB (A)
Exterior sound power	104 dB (A)	104 dB (A)

* All data depending on ground conditions. Technical Data may change without prior notice.

TERRA – always one drill ahead!



PREMIUM DRILLING TOOLS

High quality drilling tools and reamers are available for all ground conditions. They are designed and produced inhouse at TERRA to maintain peak performance.



DCI LOCATING EQUIPMENT

TERRA is an official dealer of DCI. With the new Falcon system even challenging ground conditions with high interferences can be successfully done.



MIXING SYSTEMS

The mixing systems from TERRA allow a fast and efficient mixing of the drilling volume. They are quiet, easy to handle and offer a high capacity of your drilling volume.



CUSTOMER SERVICE

Satisfied clients worldwide and a great customer service are the result of our constant progress. The TERRA-JET Directional Drill is a must have for every contractor!