

Horizontal Directional Drill TERRA-JET DJ 20

Swiss made



TERRA-JET DJ 20

Horizontal Directional Drill

75 HP STRONG HATZ DIESEL ENGINE

The **TERRA-JET DJ 20** Horizontal Directional Drill is the perfect choice for those who need power and performance in a compact, user-friendly package. Featuring a **75 HP** HATZ (Euro Stage 5) diesel engine, this powerful machine delivers up to **9 tons** of thrust and pullback force, **2.840 Nm** of torque and a maximum spindle speed of **228 rpm**.

Its small footprint ensures **easy maneuverability** when operating in tight spaces, while its low noise levels keep the workplace quiet – making it a great drill to use in both urban and rural jobsites. Its **fast setup time** allows it to be highly productive and easy transportation between job sites.



COMPACT AND POWERFUL

The DJ 20 offers improved maneuverability in tight spaces, with a sleek design designed to fit through entrances as narrow as 5 feet. Controlled by remote for optimum speed and safety, this machine is ideal for projects that require precise navigation in small areas.



MOVEABLE COMFORT CAB WITH INTEGRATED LED LIGHTS

The TERRA-JET DJ 20 offers the operator complete control and comfort. Its spacious cabin can be rotated up to 60° – offering ultimate comfort and convenience throughout your workday. It also incorporates LED lighting so you can keep working even when conditions are darker.



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OIL COOLER OUTSIDE

The **TERRA-JET DJ 20** 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).



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.

UNIQUE OPERATORS PLATFORM

High Visibility Cab

INTELLIGENT DRILLING ASSISTANT SYSTEMS

The **Intelligent Drilling Assistant** systems, like **Thrust Mode**, **Carve Mode** and **Drill Speed Control** ensures an efficient and stress-free drilling process. The advanced **CLP Control System** enables all drilling assistant systems to gain an understanding of their underground environment, ensuring peak productivity and performance.



HIGH QUALITY STANDARDS SWISS MADE

All components of the **TERRA-JET** fulfill the highest Quality standards in the industry. They are easy accessible. The bearings can be changed quickly on the jobsite. The **DJ 20** is equipped with a swing-out cover for easy access for machine maintenance and serviceability. This ensures a long lifetime of your drill rig.

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MADE FOR PRODUCTIVITY

The **TERRA-JET DJ 20** provides a swift and efficient performance thanks to the **3 m** drill rods, combined with its **120 m of rod capacity** ensuring uninterrupted operations. Its **25 m** bending radius allows for easy navigation around existing utility infrastructure beneath the surface.

RACK AND PINION DRIVE

An efficient and strong drive system is powered by **two hydraulic motors** with gearboxes, allowing for reliable thrusting from the driving saddle. The pair of rotating motors also generate substantial torque to effectively propel movement forward.





INCREASED FLUID MUD

Swiss Made Quality

HIGH DRILLING VOLUME WITH BOOST MODE (FMC)

The onboard high-pressure FMC delivers an increased drilling volume of **95 l/min** that helps to drill in various challenging ground conditions. With the **boost mode**, the operator can utilize additional power momentarily to overcome any tough spots.

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Technical Specifications

	METRIC	IMPERIAL (U.S.)
Thrust force	87 kN (9 tonnes)	19.100 lbs
Pullback force	87 kN (9 tonnes)	19.100 lbs
Diesel engine HATZ Stage 5 *	55 kW (75 HP)	55 kW (75 HP)
Spindle torque, max.	2'840 Nm	2.100 ft.lb
Spindle speed, max.	228 rpm	228 rpm
Drilling fluid volume, max.	95 ltr/min	26 gpm
Drilling fluid pressure, max.	70 bar	1.000 psi
Carriage thrust travel speed, quick gear	27 m/min	89 ft/min
Carriage thrust travel speed, at full load	7 m/min	23 ft/min
Carriage pullback travel speed, quick gear	27 m/min	89 ft/min
Carriage pullback travel speed, at full load	7 m/min	23 ft/min
∅ pilot bore	60 – 110 mm	2,5" – 4"
Minimum inclination of the drill ramp	16° (29 %)	16° (29 %)
Maximum inclination of the drill ramp	22° (40 %)	22° (40 %)
Backreamer diameter, max. **	420 mm	17"
Maximum drilling length **	120 m	400 ft
Drill rods, length	3.05 m	10 ft
Drill rods, diameter	∅ 60/54 mm	∅ 2,4"/2,1"
Bending radius, min.	25 m	75 ft
Driving speed	4.2 km/h	3,0 miles/h
Operator sound pressure	85 dB (A)	85 dB (A)
Exterior sound power	104 dB (A)	104 dB (A)
Dimensions L x W x H (driving position)	6.00 x 1.65 x 2.50 m	19,50 x 5,45 x 8,25 ft
Dimension L x W x H (transportation position)	6.00 x 1.65 x 1.90 m	19,50 x 5,45 x 6,30 ft
Dimension L x W x H (drilling position)	5.95 x 2.05 x 2.40 m	19,65 x 6,75 x 7,90 ft
Weight including cabin, rear blade and 40 drill rods	6'400 kg	14.110 lbs
Weight including cabin and rear blade, without drill rods	5'320 kg	11.430 lbs

* Engine Stage 5 with integrated Diesel particulate filter

** 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!