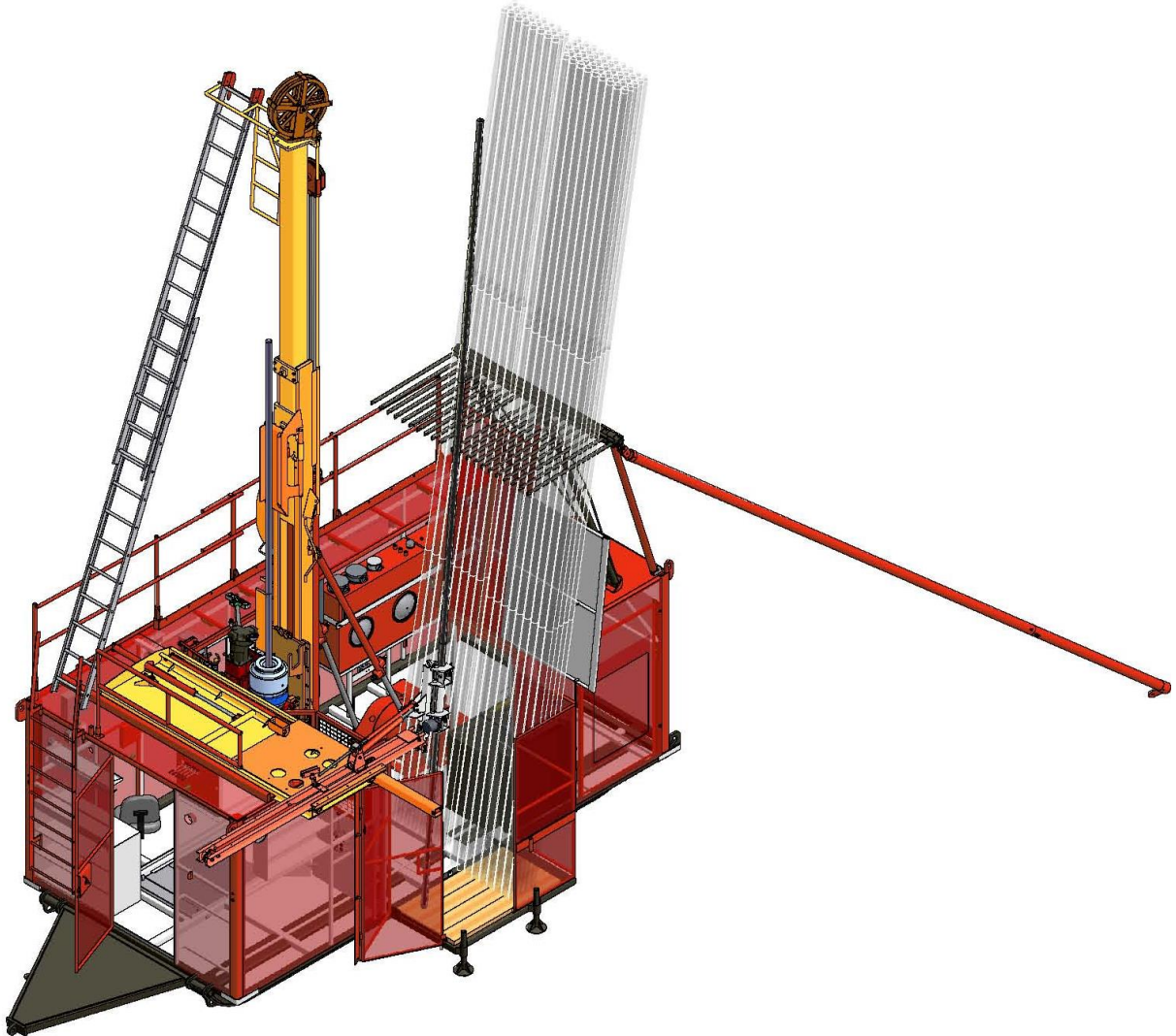
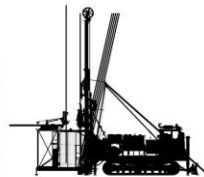


SHACK MOUNTED DRILL RIG VD8000



**Atelier
Val-d'Or inc.**



1096 Rue Léo-Fournier
Parc Industriel
Val-d'Or (Québec) J9P 6X8

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STANDARD TECHNICAL SPECIFICATIONS

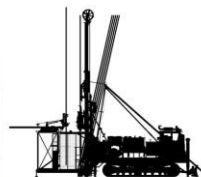
Model	VD8000
Type	Skid mounted, enclosed shack, all hydraulic chuck drive core drill, specially designed for diamond core drilling up to the rated specifications.
Drill Mast	Capacity to drill between 90° and 45°.
Diesel Engine	The most frequently used power units are John Deere 275HP JD6090 Tier3 or Cummins QSB6,7 Tier 3 with a normal operating speed up to 2,200 RPM (operating RPM can vary depending on pump configuration and option chosen).
Fuel Tank Capacity	160 litres (42 US gal.) + Fuel selector for the use of an auxiliary fuel tank
Pump Drive	FUNK triple pump drive (series 28000) with ratio 1.27:1 or 1:1
Rotation Head	AVD (Atelier Val D'Or inc.) type with chain drive head for hydraulic chuck (customer choice) ratio 12/24 on "H" size head, and 12/29 on "P" size head.
Transmission	FUNK 4 speeds transmission (Ratio 1 st 6.63:1, 2 nd 3.17:1, 3 rd 1.72:1, 4 th 1:1)
Head Table	Hydraulic cylinder is directly coupled to the rotation head carriage. The travel is 3m (10ft) or 3.3m (11ft). At 4,200PSI, push capacity is 12,628 kg (27,832 lbs) and pull capacity is 23,947 kg (52,778 lbs).
Pull Cylinder	Hydraulic cylinder with 15,715 kg (34,636 lbs) of maximum pull at 4,200PSI, 26ft water swivel displacement.
Water Pump	Standard BEAN 435 or PRATISSOLI KF40 (customer choice possible)
Rod Clamp	BOYLES style for "B" to "P" sizes.
Wireline Winch	Maximum capacity is 3,200m (10,498ft) for 3/16in wireline rope
Hydraulic	Full flow 25 micron Beta rated return oil filtration. Water/oil, air/oil hydraulically motorized (optional) and air/oil (optional, installed on the diesel engine) hydraulic coolers.
Hydraulic Tank Capacity	323 litres (85 US gal.)
Maximum Pull Capacity	39,662 kg (87,414 lbs) @ 4,200 PSI with feed and pull cylinder.
Overall Weight of Drill	approx. 14 519 kg (32 000 lbs)
Rod Handler	With Rollers Hand Configuration and HSS(Bolted Fingers) Rod Rack Comb for N,H and P.

Rod Rack Maximum Stacking Capacity:

Rod Size		B (Ø2.19")*	N (Ø2.75")	H (Ø3.50")	P (Ø4.50")
Qty (9-meter sections)		308	309	195	120
Depth in:	meters	2,772	2,754	1,755	1,080
	feet	9,094	9,035	5,757	3,543

* : Optional B Add-On

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STANDARD FEATURES

Hoses Carriages	Gortrac® Hoses Carriage For Drill Head Hoses and Rod Handler Hoses
Anti-Noise Wall	Noise Damping Wall Between Diesel Engine and Working Area
Mast Dump	24in Travel Mast Dump
Extension Locking	Allow Mast Extension Locking from Floor Level for Safety Purpose
Water Swivel Slide	Removable from Floor Level for Rod Handler Operation
Remote Pulleys Greasing	Allow Mast Pulleys Greasing from Floor Level
LED Lightning	Low Energy Consumption Lights
Feed Cyl. Burst Valve	Stops the Falling of the Head in Case of Hoses Failure

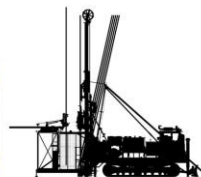
OPTIONAL FEATURES

Transport Wheels	Heavy-Duty Wheels for Drill Transportation on Rocky Terrain
Weatherproofing	Insulated Walls and Doors for Heat Conservation and Noise Reduction
Heated Floor	Heated Floor and Floor Heating Units for Runner and Rod Handler Operator
Hydraulic Heating Unit	Supplementary Heating That Recycles the Heat of Hydraulic System
RACOR Fuel Filter	Efficient Filter Added on Engine Fuel Line
Cyclone Air Filter	Efficient Air Filter Added on Engine Air Intake
AVD "P" Rod Clamp	Eliminates the Need to Remove Jaws for Oversized Bits
Interlocking Guards	Isolates the Drill Mast and Limits Rotation at 50 RPM When Guard is Open
Casing Breaker	Hydraulic Device to Break Casing Joints
Casing Clamp	Clamp that Holds Casing Below the Rod Clamp, Eliminates the Use of Pipe Wrench
Casing Puller	Rod Clamp Mounted on a Sliding Base w/ Hydraulic Cylinders for Additional Pull Power
Parallelogram Rod Comb	Avoid Removal of Comb for Transport or Fingers Configuration Change
Floor Pickup Rod Handler	Pivoting Rod Handler. Can Handles Rods Stacked Horizontally in a Sloop

OPTIONAL ELECTRO-HYDRAULIC DRILL FEATURES

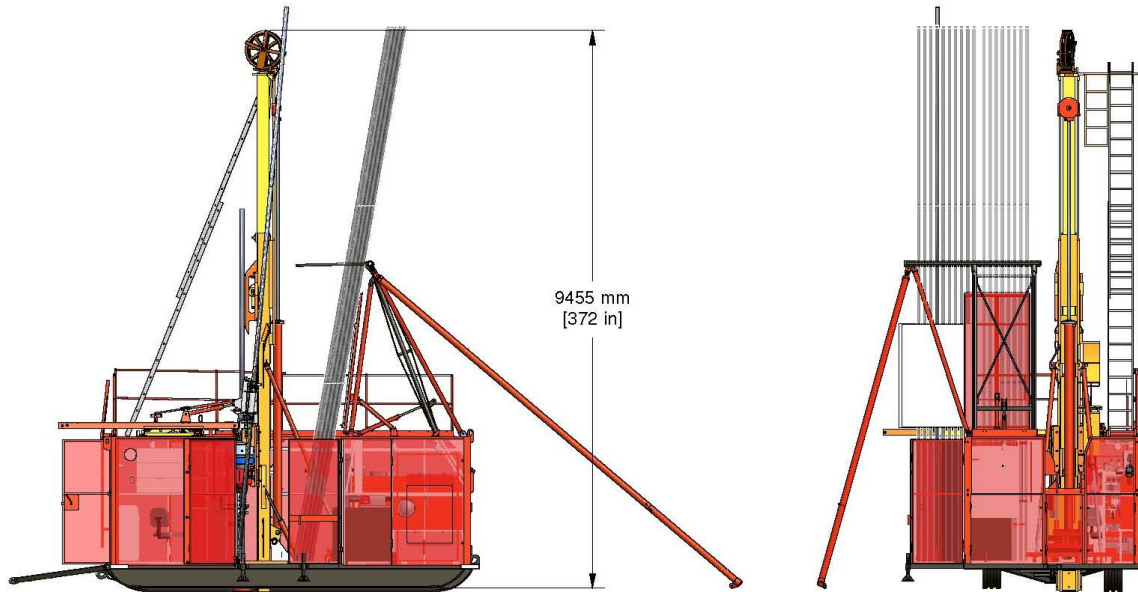
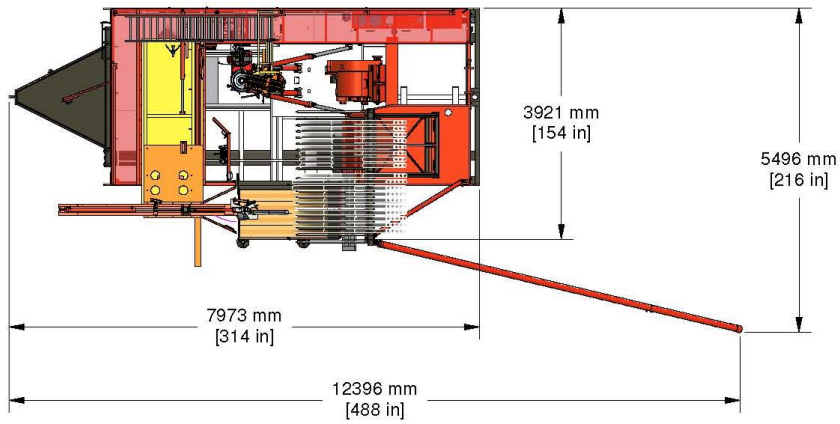
Proportional Valves	Fully Proportional Danfoss Hydraulic Components
LCD Display	6.5" LCD Display for Parameters and Feedback (Pressures, Water Pump, Wireline Position)
Compact Work Console	With Levers and Buttons to Operates Drill Rig Functions
Feedback Sensors	Drill Head Position, RPM and Bit Weight Feedback on LCD Display
Cameras	Shows the Wireline on LCD Display at Activation of Wireline Function
Data Recording	Keeps History of Machine Parameters for Supervision/Troubleshooting
Chuck/Clamp Synchro	Automates the Operation of Chuck and Rod Clamp When Rod Pulling
Automatic Pulling	Automatically Pulls Rods in 3m, 6m or 9m Sections (Automates Feed + Chuck/Clamp)
Automatic Drilling	Drill Handles Drilling Automatically According to Set Parameters

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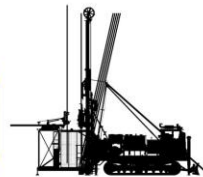
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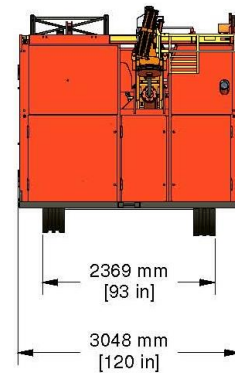
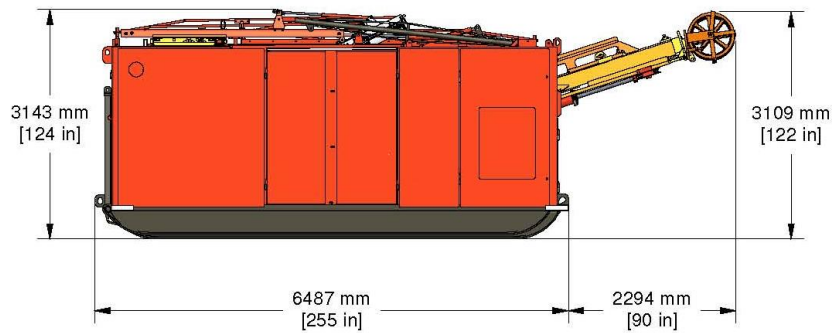
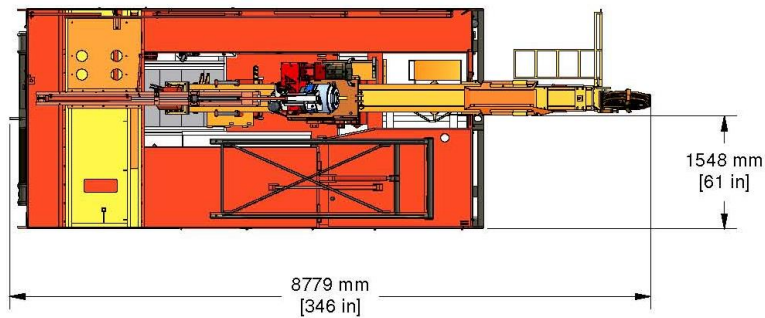
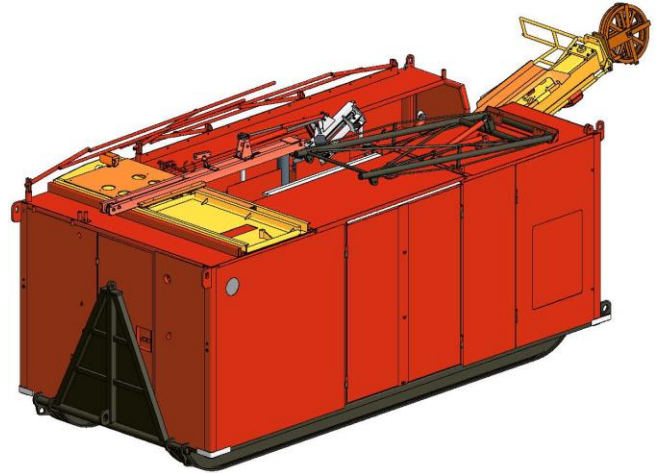
DRILL IN WORKING POSITION (Mast Shown at 90°)

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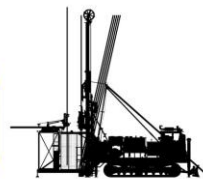
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DRILL IN TRANSPORT POSITION

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