



*The picture shows a DISAB Futurion™ Q20.
Options may vary.*

DISAB Futurion™ Q20

Usage

The new generation of vacloader, DISAB Futurion™ Q20, has been produced and designed to perform multiple tasks within different and varied areas of application. Its high performance with strong air flow delivers a powerful suction capacity which, together with the round tank, makes the unit ideal for both wet and dry applications. Many of our customers are to be found within construction, the cement industry, steelworks, paper mills or power and energy plants.

Characteristics

DISAB Futurion™ Q20 is ideal for sucking up and removing all types of material that fits in an 8" hose. The unit is powered by the truck's engine. The tank is available in either 10 m3 or 12 m3. With its relatively low overall weight, DISAB Futurion™ Q20 has an excellent load capacity. Furthermore, it is equipped with a hydraulic pump with variable displacement which leads to better fuel economy.

The material is discharged by tipping the tank, and the emptying hatch is operated with a double-acting hydraulic cylinder. Discharge can also take place by blowing the material out through the hose.

Benefits

DISAB Futurion™ Q20 is designed to give the operator great flexibility and its large number of options enabling it to be used within a range of different applications.

Other benefits include:

- Safe working environment for the operator:
 - All the vehicle's functions can be operated at a safe distance with a joystick radio.
 - Lower sound level and reduced vibration.
 - Large aperture angle for simpler discharge.
- Enhanced user-friendliness for the operator:
 - A modern control system with smart IoT solutions to support the user and provide better overview and control over the vehicle and the fleet.
 - Equipped with an interactive radio system which displays relevant data for the operator.
- Service-friendly in that it has excellent accessibility to filter, belts etc., which can reduce the length of service stops by 15%.
- Good payload capacity thanks to low weight and good load distribution.
- Compatible with DISAB MultiFLEX™ suction excavator.

Technical Data Chart for DISAB Futurion™ Q20

Description

Vacuum pump	Helical 3-lobe Roots pump (twisted lobes)	Max vacuum, mbar	900
Max overpressure, mbar	1,000	Air volume m³/h (unloaded)	8,500 / 11,000 (option)
Operating speed (rpm)	2,600 / 2,000 (option)	Power, kW	210 / 280 (option)
Voltage Frequency, V/Hz	N/A	Power source	Truck powered
Engine type	N/A	Tank material	Carbon steel / stainless steel / acid-proof steel
Tank volume (m³)*	10 / 12	Total Tank Volume (m³)	12.7 / 14.7
Tank tipping system	Double acting system. Tailgate is hydraulically operated and locked.	Main filter system (m²)	70 galvanized/stainless cages with filter socks in needled polyester glazed surface Filter area is 26m².
Cooling air filter	Cartridge filter	Safety filter surface (m²)	50
ATEX approved	N/A		

* Excluding filter volume

Core function

Suction	Yes
Blow / eject	Yes
Transport (ADR)	N/A
Discharge	By tipping the tank or unloading through blow system
Dry materials	Yes
Wet materials	Yes

Weight and Dimensions**

Complete unit including chassis (kg)	22,400
Total unit length including truck chassis (mm)	10,100
Total width (mm)	2,550
Height with hose boom (mm)	3,900

** Weight and dimensions are approximate and dependent of chassis and the vacuum unit equipment.



DISAB Futurion™ Q20 is ideal for sucking up and transporting away all types of material, both wet and dry.

DISAB Futurion™ Q20 is the new generation vacloader with a modern design to it and equipped with an easy-to-use control system with telematic alarm system. It is also compatible with DISAB MultiFLEX™