

TECHNICAL DATA



Operation weight: ca. 8,5t
Diesel drive with 50 kW or
alternatively
Electro drive with 50 kW
Lance stroke: 2 x 4.000mm
2 x 5.000mm
2 x 6.000mm

UNDERCARRIAGE

Chain track outside width	2.200mm
Track width	400mm
Track type	steel
Track	lubricated
Drive system	hydraulically with brake
Ground clearance	ca. 210mm
Track length	ca. 3.000mm
Number of drives	2
Speed	2,5 - 5 km/h

Parking brake system automatically actuated when not in operation

Pulling hooks in front and rear of undercarriage

Lifting hooks 3 Point for overhead transportation

An electric powered hydraulic emergency pump is installed in case of breakdown of the Diesel Engine.

Option: track shoes with rubber pads

Operators panel

- left
- right
- without

(If the model is ordered without operator's panel, an additional spray water tank (+ 270 l) will be installed)

Water volume on board with additional tank:

Main tank: 310 Litre

Additional tank: 270 Litre

Option: with operator's panel

Water volume on board without additional tank:

Main tank : 310 Litre

Main drive

Diesel engine

Manufacturer	Deutz
Type of engine	BF04L2011
Engine power	50,0 KW
Rated speed	2300 RPM
Nominal torque	230 Nm
Cylinder capacity	3018 cm ³
Type	4 cylinder in-line
Cooling	air-cooled
Voltage	24 V

Option: Electro motor

Manufacturer	
Engine power	ca. 50 kW
Revolutions per minute	1500 RPM
Voltage	400 V / 50 Hz



Hydraulic

Pump _____ A11VO95 (Diesel motor)
_____ A11VO (Electro motor)
Hydraulic _____ Load Sensing
Output _____ ca. 200 Litre / min
Tank volume Hydraulic oil _____ ca. 180 Litre
Oil coolers installed on the shooter.
Hydraulic leavers at the valve block on the machine.

Boom cooling system

Air blast cooling _____ 2 x 90 KW
Controls for temperature and flow rate.
Capacity cooling water tank

Spray water system

High-pressure pump for spraying water _____ ca. 60 bar max.
Hydraulically driven
Max. flow rate _____ ca. 40 Litre / min max.
Safety valves and pressure gauges
Filter for pipe protection
Capacity water tank _____ ca. 310 Litre
Additional tank _____ ca. 270 Litre
(The additional spray water tank is only installed without operator's panel version)

Electric control

All movements are controlled by the HBC radio remote control transmitter.
Voltage Shooter _____ 24 V / DC
Control system _____ (DIGsy) Outdoor Electronic
Acoustic alarms:

- Low level spray water in tank
- High temperature cooling water
- Low flow rate-cooling water
- Collective fault
- Signal for backwards driving

Visual indicators

- Shooter in radio remote control mode
- Shooter in operation
- Fault indicator
- High temperature cooling water
- Low flow-rate cooling water

Remote control

Type of remote control _____ radio remote
Manufacturer _____ HBC
Transmitter _____ Spectrum 735
Receiver installed on the shooter _____ FSE
Frequency _____ on clients request



The material feeding machine (Ankerjet machine) will be controlled with the radio control transmitter from the Shooter. (Start Feeding – Stop Feeding – Emergency Stop)

Option: Arctic Pack= Preheating for liquids

The below mentioned on board liquid medias are optionally preheated with a 400V/ 50Hz pre-heating.

- Hydraulic oil / Diesel
- Cooling water Telescopic boom
- Spraying water

The plug in for the electric cable is installed at the backside of the Shooter.

Mechanical equipment

Rotation of platform_____	Hydraulically
Limits_____	360 ° endless
Swivelling of boom_____	Hydraulic Motor
Rotation Limits_____	360 ° endless
Movement boom and Lance_____	Hydraulic Motor
System_____	via tensioned chain
Stroke_____	Version 1 2 x 4000mm,
_____	Version 2 2 x 5000mm
_____	Version 3 2 x 6000mm
Motion of boom_____	Hydraulic cylinder
Limits_____	+ / - 20 °
Material mixing (refractory – spray water)_____	at lance tip

Medias required

- Fresh water connection 1"_____ (Refilling spray water)
- Power for emergency motor_____ 400 Volt / 50 Hz
- Power for pre-heating system_____ 400 Volt / 50 Hz
- Refractory material through Ankerjet machine

All connection are located on the backside of the machine

Additional equipment at superstructure

Between undercarriage and platform a ball type bearing is installed.

Installation of a foldable heat shield to protect worker and equipment from radiation heat.

Crane lifting

In addition, lifting hooks are installed to allow crane movement.



Technical data**Weight: Version 1**

with 2 x 4000 mm stroke	8.55 to
Length telescopic boom extended	16.140 mm
Length telescopic boom retracted	8.140 mm

Weight: Version 2

with 2 x 5000 mm stroke	ca. 8.9 to
Length telescopic boom extended	19.140 mm
Length telescopic boom retracted	9.140 mm

Weight: Version 3

with 2 x 6000 mm stroke	ca. 9.25 to
Length telescopic boom extended	22.140 mm
Length telescopic boom retracted	10.140 mm

Width	2.200 mm
Width (Heat shield unfolded)	3.140 mm

Height	2.280 mm
Height (Heat shield unfolded)	2.470 mm

