

# 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 <sup>3</sup>
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

<b>Width</b>	<b>2.200 mm</b>
Width (Heat shield unfolded)	3.140 mm

<b>Height</b>	<b>2.280 mm</b>
Height (Heat shield unfolded)	2.470 mm

