

TECHNICAL DATA

Engine

Manufacturer/type: SisuDiesel 49 CWA
Number of cylinders: 4
Air intake: turbo-charged, air/air intercooling
Cylinder displacement: 4.9 litres
Engine power: 120 kW / 2,200 rpm
Torque: 700 Nm / 1,500 rpm
Fuel tank volume: 267 l
Fuel consumption: 7–10 l/h

Transmission

Electronically controlled, hydrostatic
Drive: 6-wheel drive
Drive pump: 2 x 75 cm³
Travelling motors: Rexroth MCR 05
Bogie motors: 680 cm³ (2 pcs)
Rear engines: 470 cm³ (2 pcs)
Tractive force: 135 kN

Driving speed

Driving speed is controlled with a stepless pedal:
Slow area: 0–5.3 km/h
Fast area: 0–10.5 km/h

Measurements

Weight starting from 12,500 kg (when equipped for working), 14,800 kg (with tyres filled with liquid)
Length: 6,450 mm
Width: 2,650 mm (2,400–2,850 mm, depending on tyres)
Height of cab: 3,550 mm
Ground clearance: 620 mm
Wheelbase: 3,400 mm
Tyres, front: 600/22.5 (also 500 and 700)
Tyres, rear: 600/26.5 (also 500 and 700)
Tyre pressure: 270 kPa

Control

Hydraulic frame steering
Control with control levers
Turning angle: +/- 52°
Turning radius from the outer edge of the tyre: 5.5 m

Brakes

The hydrostatic transmission functions as a service brake for all wheels. Negative plate-compressor brakes operate as work and service brakes for all traction motors.

Frame structure

Box-type steel frame, pitman arm between the front and rear frames, and a round bearing as the horizontal joint. The chassis of the crane tilts in the travel direction.

Cab

The cab, situated in the front frame, has acoustic and thermal insulation with an automatic heating and ventilation system. The noise level in the cab is 51–70 dB.

Electrics

Voltage: 24 VDC
Batteries: 2 x 140 Ah
Generator: 100 A

Boom

Turning angle: 240°

Logmer (models): 10-90, 10-95, 10-10, and 10-11
Range: 9.2–11.2 m, depending on the model

or

Kesla (models): 1395H and 13105H
Range: 9.5–10.5 m, depending on the model

Hydraulics

Load-detecting hydraulic system
Standard delivery:
Pump: Rexroth A 10 V 140 cm³
Operating pressure: 220 bar
Output (max.): 280 l/min/2,000 rpm
Volume of the hydraulic system: 250 l
Volume of the hydraulic oil tank: 150 l

Harvester head

Keto, AFM, Kesla, LogMax, Waratah, or other, according to the customer's wishes

Measuring device

Motomit PC or Motomit IT

Standard accessories

Automatic heating and ventilation system
Dry powder extinguisher, 2 pcs
Stereo radio / CD player

Optional accessories

Sun blinds for the cab
First aid kit
Xenon beacons
Stub handling
Chains
Control callipers
Cool box (electric)
Engine heater (Webasto)
Central lubrication for the crane
Navigation
Air compressor
Backing-up camera
Long wiper (1,200 mm)
Bulldozer blade for steep terrain
Liquid filling of the tyres
Extinguishing system
Electric vacuum pump for the hydraulic tank
Electric hydraulic oil inflator
Electric fuel inflator
Rollers
Data transfer
Colour marking (of the clamp)
500- and 700-series tyres

* The values have been measured in harvesting work in Finland.