Technik die Freude macht.
**Technical data**

**Engine (6 cylinders):**
- VOLVO PENTA TAD881VE EU Stage V
  - Power: 185 kW (252 HP) at 1600 rpm
  - max. revolution: 1150 Nm at 1100 - 1500 rpm
  - max. torque: 1175 Nm at 1400 rpm
  - Displacement: 7.7 liter

**Optional:**
- VOLVO PENTA TAD882VE EU Stage V
  - Power: 210 kW (286 HP) at 1700 rpm
  - max. revolution: 1225 Nm at 1100 - 1600 rpm
  - max. torque: 1255 Nm at 1400 rpm
  - Displacement: 7.7 liter

**Transmission:**
- 904H: HSM High Speed Drive (71 series)
  - speed at 1st gear: 0-14 km/h
- 904ZF: ZF 6WG-190 load switching converter transmission
  - 6 forward gears, 3 reverse gears

**Axles:**
- Planetary axles
- 100% separately selectable differential locks, front and rear

**Brake:**
- 2-circuit brake, disk brake running in an oil bath
- Spring-loaded parking brake

**Steering:**
- Articulated steering with 2 cylinders, 45° steering angle

**Tank capacity:**
- Diesel: 904H: 210 l | 904ZF: 225 l
- AdBlue: 45 l | 45 l
- Hydraulic fluid: 110 l | 150 l

**Hydraulics:**
- Load sensing
- Variable pump (working pump) 904H:
  - flow rate: 304 l/min at 1600 rpm
  - pressure: up to max. 350 bar
- Variable pump (working pump) 904ZF:
  - flow rate: 224 l/min at 1600 rpm
  - pressure: up to max. 350 bar
- Hydraulic fluid: Saturated, synthetic ester
  - Panolin HLP SYNTH with Kleenoil
  - Microfiltration; WGK 1

**Cabin:**
- HSM Panorama comfort cab
- ROPS, FOPS, OPS tested safety cab
- Swivel seat device, air-suspended comfort seat
- Heating/air-conditioning

**Electrical system / Instruments:**
- HSM Ecommand colour-display
- 5 operator programs + factory setting
- Diagnosis-tool and error-indication
- Graphic support at parameter editing
- Generator 110 A (28 V)
- 2 service-free dry batteries á 55 Ah

**Standard equipment:**
- 12 LED work lamps
- 24 V - 12 V voltage transformer, radio with CD player, fire extinguisher, first-aid kit, warning triangle, tool set
- Torsion lock with 2 hydraulic cylinders

**Special equipment:**
- Tilttable front polder shield, front loader (Hauer), trailer hitch, outer hydraulic connection, remote control for cable winch, wireless driving, auxiliary heating, sun blinds, seat damping pad
- Additional accessories on request

**Electrical system / Instruments:**
- HSM Ecommand colour-display
- 5 operator programs + factory setting
- Diagnosis-tool and error-indication
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- Generator 110 A (28 V)
- 2 service-free dry batteries á 55 Ah

**Standard equipment:**
- 12 LED work lamps
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- Torsion lock with 2 hydraulic cylinders

**Special equipment:**
- Tilttable front polder shield, front loader (Hauer), trailer hitch, outer hydraulic connection, remote control for cable winch, wireless driving, auxiliary heating, sun blinds, seat damping pad
- Additional accessories on request

**Winches:**
- Serial: Adler HY 20 (2 x 100 kN) double-drum winch
  - Max. cable take-up of 14 mm, 100 m
- Optional: Adler HY 24-SG (2 x 120 kN) double-drum winch
  - Max. cable take-up of 14 mm, 130 m
  - Adler HY 32-SG (2 x 160 kN) double-drum winch
  - Max. cable take-up of 16 mm, 100 m
  - Adler HY 32-LO double-drum winch

**Weight:**
- from 13200 kg

**Forwarder:**
- Serial: Epsilon M80 R59
  - Max. range 5.9 m, 95 kNm gross lifting moment
- Cranes up to a lifting moment of 170 kNm and range of up to 10.4 m available (see separate crane list)

**Tyres:**

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* B: minimum machine width (dimensions in mm)

**Standard equipment:**
- Fixed front polder shield, 2000 mm wide
- Straight shield as sprag brake

**Special equipment:**
- Hydraulically height-adjustable roller block
- Clamping workbench on height-adjustable roller block
- Straight shield with sprag brake
- “Skidder France” version pulley
- Engine bonnet protection and brush guard made from tubing
- Additional accessories on request
**904 6WD**

**Winches:**
- Serial: Adler HY 20 (2 x 100 kN) double-drum winch
  Max. cable take-up of 14 mm, 100 m
- Optional: Adler HY 24-O (2 x 120 kN) double-drum winch
  Max. cable take-up of 14 mm, 130 m
  Adler HY 32-O (2 x 160 kN) double-drum winch
  Max. cable take-up of 16 mm, 100 m

**Weight:**
- from 17000 kg

**Forwarder:**
- Serial: Tiltable Epsilon X150 R80
  (Max. range 8 m, 170 kNm gross lifting moment)
- Optional: Tiltable Epsilon X150 R104
  (Max. range 10.4 m, 170 kNm gross lifting moment)

**Tyres:**

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**Standard equipment:**
- Fixed front polder shield, 2000 mm wide
- Straight shield as sprag brake

**Special equipment:**
- Clamping workbench on height-adjustable roller block
- "Skidder France" version pulley
- Engine bonnet protection and brush guard made from tubing
- Bogielift back
- Additional accessories on request

---

**904Z 6WD**

**Winches:**
- Serial: Adler HY 20 (2 x 100 kN) double-drum winch
  Max. cable take-up of 14 mm, 100 m
- Optional: Adler HY 24-SG (2 x 120 kN) double-drum winch
  Max. cable take-up of 14 mm, 130 m
  Adler HY 32-SG (2 x 160 kN) double-drum winch
  Max. cable take-up of 16 mm, 100 m

**Weight:**
- from 17300 kg

**Forwarder:**
- Serial: Articulated arm with simple telescope: 6,1 m range
  Gross lifting moment: 270 kNm
  Swivel range: 210°
  Pivoting moment: 80 kNm
  Gripper cross-section: 1.2 m² (opt. 0.9 m²)
- Optional: Articulated arm with double telescope: 7.5 m range

**Tyres:**

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**Standard equipment:**
- Fixed front polder shield, 2000 mm wide
- Straight shield as sprag brake

**Special equipment:**
- Hydraulically height-adjustable roller block
- "Skidder France" version pulley
- Engine bonnet protection and brush guard made from tubing
- Bogielift back
- Additional accessories on request
Winches:
- Serial: Adler EHY 10 (1 x 100 kN) single-drum winch
  Max. cable take-up of 14 mm, 80 m
- Optional: Adler HY 20 (2 x 100 kN) double-drum winch
  Max. cable take-up of 14 mm, 100 m
  Adler HY 24-O (2 x 120 kN) double-drum winch
  Max. cable take-up of 14 mm, 130 m
  Adler HY 32-O (2 x 160 kN) double-drum winch
  Max. cable take-up of 16 mm, 100 m
  Adler HY 32-LO double-drum winch

Weight:
- from 14 700 kg

Forwarder:
- Serial: Articulated arm with simple telescope: 6.1 m range
  Gross lifting moment: 270 kNm
  Swivel range: 210°
  Pivoting moment: 80 kNm
  Gripper cross-section: 1.2 m² (opt. 0.9 m²)
- Optional: Articulated arm with double telescope: 7.5 m range

Tyres:

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Standard equipment:
- Fixed front polder shield, 2000 mm wide
- Straight shield as sprag brake

Special equipment:
- Hydraulically height-adjustable roller block
- "Skidder France" version pulley
- Straight shield „France“
- Engine bonnet protection and brush guard made from tubing
- Additional accessories on request

Winches:
- Serial: Adler EHY 10 (1 x 100 kN) single-drum winch
  Max. cable take-up of 14 mm, 80 m
- Optional: Adler HY 20 (2 x 100 kN) double-drum winch
  Max. cable take-up of 14 mm, 100 m
  Adler HY 24-O (2 x 120 kN) double-drum winch
  Max. cable take-up of 14 mm, 130 m
  Adler HY 32-O (2 x 160 kN) double-drum winch
  Max. cable take-up of 16 mm, 100 m
  Adler HY 32-LO double-drum winch

Weight:
- from 19 800 kg

Forwarder:
- Serial: Articulated arm with simple telescope: 6.1 m range
  Gross lifting moment: 270 kNm
  Swivel range: 210°
  Pivoting moment: 80 kNm
  Gripper cross-section: 1.2 m² (opt. 0.9 m²)
- Optional: Articulated arm with double telescope: 7.5 m range

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Standard equipment:
- Fixed front polder shield, 2000 mm wide
- Straight shield as sprag brake

Special equipment:
- Hydraulically height-adjustable roller block
- "Skidder France" version pulley
- Straight shield „France“
- Engine bonnet protection and brush guard made from tubing
- Bogielift back
- Additional accessories on request
904F Kombi short

Winches:
- Serial: Adler HY 20 (2 x 100 kN) double-drum winch
  Max. cable take-up of 14 mm, 100 m
- Optional: Adler HY 24-SG (2 x 120 kN) double-drum winch
  Max. cable take-up of 14 mm, 130 m
  Adler HY 32-SG (2 x 160 kN) double-drum winch
  Max. cable take-up of 16 mm, 100 m

Weight:
- from 17 600 kg

Payload:
- 11 t

Forwarder:
- Epsilon crane M70 F80 (Series)
- Additional cranes on request

Tyres:

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* B: minimum machine width (dimensions in mm)

904ZF

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Standard equipment:
- Headboard grid and first stanchion removable
- Last stanchion can be removed and adjusted to 2.4 m, 3.2 m and 3.8 m
- Height-adjustable roller block
- Torsion lock with hydraulic cylinder
- Reversing camera with color monitor
- LED rear headlights

Special equipment:
- Front polder shield
- Straight shield
- Clamping workbench with quick-change plate
- Twin stanchions as 2nd and 3rd stanchion on quick-change plate
- Rotating stanchion
- Bogie lift at the rear
- Tiltable crane
- Additional accessories on request

904F Kombi long

Winches:
- Serial: Adler HY 20 (2 x 100 kN) double-drum winch
  Max. cable take-up of 14 mm, 100 m
- Optional: Adler HY 24-SG (2 x 120 kN) double-drum winch
  Max. cable take-up of 14 mm, 130 m
  Adler HY 32-SG (2 x 160 kN) double-drum winch
  Max. cable take-up of 16 mm, 100 m

Weight:
- from 17 800 kg

Payload:
- 11 t

Forwarder:
- Epsilon crane M70 F80 (Series)
- Additional cranes on request

Tyres:

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904ZF

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Standard equipment:
- Headboard grid and first stanchion removable
- Last stanchion can be removed and adjusted to 2.8 m, 3.6 m and 4.2 m
- Height-adjustable roller block
- Torsion lock with hydraulic cylinder
- Reversing camera with color monitor
- LED rear headlights

Special equipment:
- Front polder shield
- Straight shield
- Clamping workbench with quick-change plate
- Twin stanchions as 2nd and 3rd stanchion on quick-change plate
- Rotating stanchion
- Bogie lift at the rear
- Tiltable crane
- Additional accessories on request
The variable rear

Last stanchion variable in "short" position

Last stanchion variable in "centre" position

Last stanchion variable in "long" position

Quick-change twin stanchion for 2 x 2 or 2 x 2.5 m wood (not for 805F short version)

Height-adjustable pulleys Up to 2 m

Rope forwarding possible Without reconfiguring the stanchion

Log forwarding with quick-change clamping workbench

Rope forwarding possible without reconfiguring the clamping workbench

HSM Hohenloher Spezial-Maschinenbau GmbH & Co. KG

Technik die Freude macht.

D-74635 Neu-Kupfer
Im Greut 10
Phone +49 7944 / 9191-0
Fax +49 7944 / 9191-77
E-mail: info@hsm-forest.com
www.hsm-forest.com

The variable rear

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Last stanchion variable in "centre" position

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Height-adjustable pulleys Up to 2 m

Rope forwarding possible Without reconfiguring the stanchion

Log forwarding with quick-change clamping workbench

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Last stanchion variable in "long" position

Quick-change twin stanchion for 2 x 2 or 2 x 2.5 m wood (not for 805F short version)

Height-adjustable pulleys Up to 2 m

Rope forwarding possible Without reconfiguring the stanchion

Log forwarding with quick-change clamping workbench

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Height-adjustable pulleys Up to 2 m

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Height-adjustable pulleys Up to 2 m

Rope forwarding possible Without reconfiguring the stanchion

Log forwarding with quick-change clamping workbench

Rope forwarding possible without reconfiguring the clamping workbench

HSM Hohenloher Spezial-Maschinenbau GmbH & Co. KG

Technik die Freude macht.

D-74635 Neu-Kupfer
Im Greut 10
Phone +49 7944 / 9191-0
Fax +49 7944 / 9191-77
E-mail: info@hsm-forest.com
www.hsm-forest.com

The variable rear

Last stanchion variable in "short" position

Last stanchion variable in "centre" position

Last stanchion variable in "long" position

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