Technik die Freude macht.
Technical data 208F Kombi

Brake:
- Brake with 2-circles, oil-cooled multiple-disc power-brake
- Spring accumulator - parking brake

Steering:
- Articulated frame steering with 2 cylinders
- 45° steering angle

Cabin:
- Raisable to side on parallel linkages
- ROPS, FOPS, OPS tested
- Rotary seat with pedals in front and rear
- Wiper in front and rear, optional on the side
- Air cushioned seat with seat heating
- Hot-water 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 à 75 Ah

Power train:
- NAF 2 speed transfer gearbox
- HSM High Speed Drive (serial 71); speed at 1st gear 0-14 km/h

208F 4 cylinder

Engine (10 t):
- VOLVO PENTA
  TAD583VE EU Stage V
  Power: 175 kW (238 HP) at 1750 rpm
  max. revolution: 947 Nm at 1200 - 1750 rpm
  max. torque: 969 Nm at 1380 rpm
  Displacement: 5.13 liter

Hydraulic system:
- Load sensing
- Variable pump (working pump):
  flow rate: 232 l/min at 1600 rpm
  pressure: up to max. 350 bar
- Hydraulic fluid:
  saturated, synthetic ester Panolin HLP SYNTH with Kleenoil microfiltration; WGK 1

Tank capacity:
- Diesel: 170 l
- AdBlue: 25 l
- Hydraulic fluid: 130 l

Standard equipment:
- 14 LED-working headlight at cabin
- 4 working headlights at crane
- Potential transformer 24 V - 12 V
- Radio with CD
- Fire extinguisher
- First aid kit
- Warning triangle
- Tool kit
- Cooling box
- Reversing camera with color monitor
- Rear headlights
- Twist lock with 2 hydraulic cylinders

Special equipment:
- Front dozer-blade
- Tandem axle lift (Bogielift) front
- Turnable rung
- Last rung plugged
- Tiltable crane
- Quick-change system for rungs
- Clambunk
- Auxiliary heating
- Bogie-tracks
- Radio control for winch
- Drive by radio
- Sun blinds
- Pluggable front grid
- Cab suspension
- Other options on request

208F 6 cylinder

Engine:
- 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

Hydraulic system:
- Load sensing
- Variable pump (working pump):
  flow rate: 304 l/min at 1600 rpm
  pressure: up to max. 350 bar
- Hydraulic fluid:
  saturated, synthetic ester Panolin HLP SYNTH with Kleenoil microfiltration; WGK 1

Tank capacity:
- Diesel: 190 l / 225 l
- AdBlue: 45 l
- Hydraulic fluid: 130 l / 130 l

11 t / 12 t / 14 t
**Weight short / long:**
- from 16,700 kg / 16,900 kg (serial)

**Load capacity:**
- 10 t

**Winches:**
- Serial: Adler double-drum-winches HY 20 (2x100 kN)
  - max. rope capacity 100 m at 14 mm
- Optional: Adler double-drum-winches HY 24 SG (2x120 kN)
  - max. rope capacity 130 m at 14 mm
  - Adler double-drum-winches HY 32 L-SG (2x160 kN)
  - max. rope capacity 140 m at 16 mm

**Crane:**
- Serial: Epsilon M70 F80
- Other cranes behold crane-list

**Tyres:**
- Serial: 710/45 x 26,5
- min. width: 2600 mm

By using tracks the min. width will change (+100 mm). Other tyres on request.

**Standard equipment:**
- Grid and first rung demountable
- Last rung demountable and displaceable to loading length
  - (short) 2,4 m, 3,2 m and 3,8 m
  - (long) 2,8 m, 3,6 m and 4,2 m
- Roller-block, high adjustable
- Cross section 3,3 m²

**Special equipment:**
- Fear blade
- Clambunk with quick-change system
- Twin-rung as 2nd and 3rd rung on quick-change system
- Turnable rung
- Tiltable crane
- Tandem axle lift (Bogielift) rear
- Other options on request
**208F 11 t Kombi short**

- **Weight short / long:**
  - from 18 600 kg / 18 800 kg (serial)

- **Load capacity:**
  - 11 t

- **Winches:**
  - Serial: Adler double-drum-winches HY 20 (2x100 kN)
    - max. rope capacity 100 m at 14 mm
  - Optional:
    - Adler double-drum-winches HY 24 SG (2x120 kN)
      - max. rope capacity 130 m at 14 mm
    - Adler double-drum-winches HY 32 L-SG (2x160 kN)
      - max. rope capacity 140 m at 16 mm

- **Crane:**
  - Serial: Epsilon M70 F80
  - Other cranes behold crane-list

**208F 11 t Kombi long**

- **Weight short / long:**
  - from 18 600 kg / 18 800 kg (serial)

- **Load capacity:**
  - 11 t

- **Winches:**
  - Serial: Adler double-drum-winches HY 20 (2x100 kN)
    - max. rope capacity 100 m at 14 mm
  - Optional:
    - Adler double-drum-winches HY 24 SG (2x120 kN)
      - max. rope capacity 130 m at 14 mm
    - Adler double-drum-winches HY 32 L-SG (2x160 kN)
      - max. rope capacity 140 m at 16 mm

- **Crane:**
  - Serial: Epsilon M70 F80
  - Other cranes behold crane-list

**Tyres:**
- Serial: 710/45 x 26,5
- min. width: 2600 mm

  By using tracks the min. width will change (+100 mm). Other tyres on request.

**Standard equipment:**
- Grid and first rung demountable
- Last rung demountable and displaceable to loading length
  - (short) 2,4 m, 3,2 m and 3,8 m
  - (long) 2,8 m, 3,6 m and 4,2 m
- Roller-block, high adjustable
- Cross section 3,3 m²

**Special equipment:**
- Fear blade
- Clambunk with quick-change system
- Twin-rung as 2nd and 3rd rung on quick-change system
- Turnable rung
- Tiltable crane
- Tandem axle lift (Bogielift) rear
- Other options on request
**208F 14 t Kombi short**

**Load capacity:**
- 14 t

**Winches:**
- Serial: Adler double-drum-winches HY 20 (2x100 kN)
  - max. rope capacity 100 m at 14 mm
- Optional: Adler double-drum-winches HY 24 SG (2x120 kN)
  - max. rope capacity 130 m at 14 mm
  - Adler double-drum-winches HY 32 L-SG (2x160 kN)
  - max. rope capacity 140 m at 16 mm

**Crane:**
- Serial: Epsilon M70 F80
- Other cranes behold crane-list

**Tyres:**
- Serial: 710/45 x 26,5 min. width: 2850 mm

**Special equipment:**
- Rear blade
- Clambunk with quick-change system
- Twin-rung as 2nd and 3rd rung on quick-change system
- Turnable rung
- Tiltable crane
- Other options on request

---

**208F 14 t Kombi long**

**Load capacity:**
- 14 t

**Winches:**
- Serial: Adler double-drum-winches HY 20 (2x100 kN)
  - max. rope capacity 100 m at 14 mm
- Optional: Adler double-drum-winches HY 24 SG (2x120 kN)
  - max. rope capacity 130 m at 14 mm
  - Adler double-drum-winches HY 32 L-SG (2x160 kN)
  - max. rope capacity 140 m at 16 mm

**Crane:**
- Serial: Epsilon M70 F80
- Other cranes behold crane-list

**Tyres:**
- Serial: 710/45 x 26,5 min. width: 2850 mm

**Special equipment:**
- Rear blade
- Clambunk with quick-change system
- Twin-rung as 2nd and 3rd rung on quick-change system
- Turnable rung
- Tiltable crane
- Other options on request
### HSM Crane-list

**X** = available against surcharge  
**O** = standard equipment  
**#** = not available

<table>
<thead>
<tr>
<th>Crane typ</th>
<th>Lifting moment</th>
<th>Range</th>
<th>Gripper type</th>
<th>208F Kombi</th>
</tr>
</thead>
<tbody>
<tr>
<td>C60 F69</td>
<td>82/63 kNm</td>
<td>6.9 m</td>
<td>FG43S</td>
<td>#</td>
</tr>
<tr>
<td>C60 F86</td>
<td>82/51 kNm</td>
<td>6.6 m</td>
<td>FG43S</td>
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<tr>
<td>M70 F80</td>
<td>102/68 kNm</td>
<td>8.0 m</td>
<td>FG43S</td>
<td>#</td>
</tr>
<tr>
<td>M70 F86</td>
<td>102/68 kNm</td>
<td>8.0 m</td>
<td>FG43S</td>
<td>X</td>
</tr>
<tr>
<td>M70 F101</td>
<td>102/65 kNm</td>
<td>10.1m</td>
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<tr>
<td>M80 F80</td>
<td>114/79 kNm</td>
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<tr>
<td>M80 F86</td>
<td>114/79 kNm</td>
<td>8.0 m</td>
<td>FG43S</td>
<td>X</td>
</tr>
<tr>
<td>M80 F101</td>
<td>114/75 kNm</td>
<td>10.1m</td>
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<td>X</td>
</tr>
<tr>
<td>S100 F80</td>
<td>128/91 kNm</td>
<td>8.0 m</td>
<td>FG43S</td>
<td>X</td>
</tr>
<tr>
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<td>128/90 kNm</td>
<td>8.0 m</td>
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<td>X</td>
</tr>
<tr>
<td>S100 F101</td>
<td>128/86 kNm</td>
<td>10.1m</td>
<td>FG43S</td>
<td>X</td>
</tr>
<tr>
<td>S110 F80</td>
<td>143/104 kNm</td>
<td>8.0 m</td>
<td>FG43S</td>
<td>X</td>
</tr>
<tr>
<td>S110 F86</td>
<td>143/104 kNm</td>
<td>8.0 m</td>
<td>FG43S</td>
<td>X</td>
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<tr>
<td>S110 F101</td>
<td>143/100 kNm</td>
<td>10.1m</td>
<td>FG43S</td>
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</tr>
<tr>
<td>X120 F80</td>
<td>159/111 kNm</td>
<td>8.0 m</td>
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<tr>
<td>X120 F86</td>
<td>159/110 kNm</td>
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<td>X</td>
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<tr>
<td>X120 F102</td>
<td>159/107 kNm</td>
<td>10.2m</td>
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<tr>
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<td>173/123 kNm</td>
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<tr>
<td>X140 F86</td>
<td>173/122 kNm</td>
<td>8.0 m</td>
<td>FG43S</td>
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</tr>
<tr>
<td>X140 F102</td>
<td>173/119 kNm</td>
<td>10.2m</td>
<td>FG43S</td>
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</tr>
</tbody>
</table>

**Epsilon**

<table>
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<tr>
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<th>Range</th>
<th>Gripper type</th>
<th>208F Kombi</th>
</tr>
</thead>
<tbody>
<tr>
<td>F59 F72</td>
<td>78/56 kNm</td>
<td>7.2 m</td>
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<td>#</td>
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<tr>
<td>F59 F785</td>
<td>78/51 kNm</td>
<td>8.5 m</td>
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<tr>
<td>F59 F788</td>
<td>78/47 kNm</td>
<td>10.0m</td>
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<tr>
<td>F59 F7881</td>
<td>78/47 kNm</td>
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<tr>
<td>F71 F72</td>
<td>99/75 kNm</td>
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<td>FG43S</td>
<td>X</td>
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<tr>
<td>F71 F785</td>
<td>99/70 kNm</td>
<td>8.5 m</td>
<td>FG43S</td>
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<tr>
<td>F71 F788</td>
<td>99/66 kNm</td>
<td>10.0m</td>
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<tr>
<td>F71 F7881</td>
<td>99/66 kNm</td>
<td>10.0m</td>
<td>FG43S</td>
<td>X</td>
</tr>
<tr>
<td>F83 F72</td>
<td>106/82 kNm</td>
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<td>X</td>
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<tr>
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<td>106/76 kNm</td>
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<tr>
<td>F83 F788</td>
<td>106/73 kNm</td>
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<td>M 92 F80i</td>
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<tr>
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<td>130/84 kNm</td>
<td>8.0 m</td>
<td>FG43S</td>
<td>X</td>
</tr>
<tr>
<td>M 92 F788</td>
<td>130/84 kNm</td>
<td>10.0m</td>
<td>FG43S</td>
<td>X</td>
</tr>
<tr>
<td>F111 F72</td>
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<td>F111 F785</td>
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<tr>
<td>F111 F91</td>
<td>151/98 kNm</td>
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<td>M122 F96i</td>
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</tr>
<tr>
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<td>155/ - kNm</td>
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<tr>
<td>M142 F85i</td>
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<tr>
<td>M142 F96i</td>
<td>178/124 kNm</td>
<td>9.6 m</td>
<td>FG43S</td>
<td>X</td>
</tr>
</tbody>
</table>

**Mesera**

<table>
<thead>
<tr>
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</tr>
</thead>
</table>
| 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.

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