



HSM 208F Kombi Model



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
- steering angle 45°

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
- hot-water heating
- air conditioning

Electrical system / Instruments:

- HSM Ecomand colour-display
- 5 operator programs + factory setting
- diagnosis-tool and error-indication
- graphic support at parameter editing
- generator 24 V, 90 A
- 2 / 4 service-free dry batteries á 56 Ah

Power train:

- 1-hydrostat-engine
- NAF 2 speed transfer gearbox
- optional: HSM High Speed Drive (serial 71) speed at 1st gear 0-16 km/h

Standard equipment:

- 12 LED-working headlight at cabin
- 2 working headlights at crane
- 1 LED working headlight at roller block
- potential transformer 24 V-12 V
- radio with CD
- fire extinguisher
- first aid kit
- warning triangle
- tool kit

Special equipment:

- external hydraulic connection
- radio control for winch
- drive by radio
- auxiliary heating
- sun blinds
- seat with Sittab isolator
- other options on request

208F 4 Cylinder

Engine (serial):

- IVECO
- NEF 4 cyl. Common Rail Turbo / TIER3
- power: 104 kW (141 HP)
- max. revolution: 2200 rpm
- max. torque: 608 Nm at 1600 rpm
- displacement: 4,5 liter

Engine (optional):

- Mercedes Benz
- OM 904 LA, 4 cyl. Turbo Diesel / TIER3
- power: 129 kW (175 HP)
- max. revolution: 2200 rpm
- max. torque: 675 Nm at 1200 - 1600 rpm
- displacement: 4,25 liter

Hydraulic system:

- load sensing
- variable pump (working pump):
 - flow rate: 152 l/min at 1600 rpm
 - pressure: up to max. 350 bar
- optional:
 - flow rate: 232 l/min at 1600 rpm
 - pressure: up to max. 350 bar
- fixed displacement pump:
 - flow rate: 17,6 l/min at 1600 rpm
 - pressure: 120 bar
- hydraulic oil: saturated, synthetic ester Panolin HLP SYNTH with Kleenoil microfiltration WGK 1
- valve block: Rexroth
- crane control: HSM ECOMmand with graphic-colour-display, menu navigation via scroll wheel, diagnosis-tool and error-indication, 5 operator programs

Tank:

- diesel: 150 l
- hydraulic oil: 130 l

208F 6 Cylinder

Engine:

- IVECO
- NEF 6 Cyl. Common Rail Turbo / TIER3
- power: 175 kW (238 HP)
- max. revolution: 2200 rpm
- max. torque: 1020 nm at 1500 rpm
- displacement: 6,7 liter

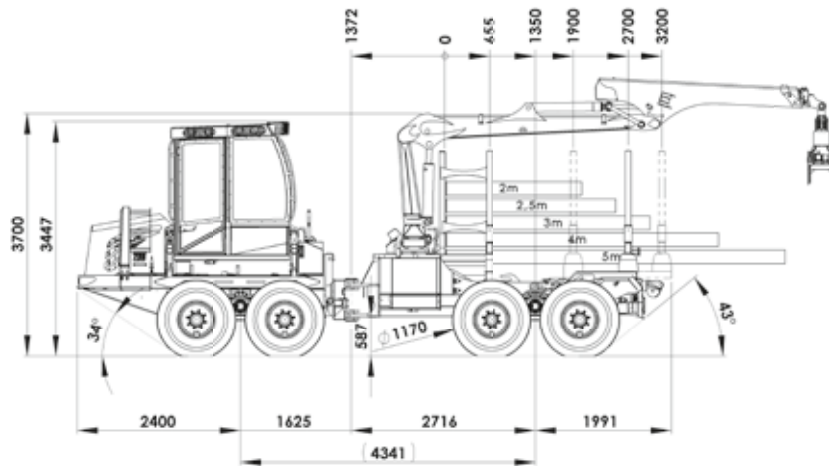
Hydraulic system:

- load sensing
- variable pump (working pump):
 - flow rate: 304 l/min at 1600 rpm
 - pressure: up to max. 350 bar
- fixed displacement pump:
 - flow rate: 17,6 l/min at 1600 rpm
 - pressure: 120 bar
- hydraulic oil: saturated, synthetic ester Panolin HLP SYNTH with Kleenoil microfiltration WGK 1
- valve block: Rexroth M4-15
- crane control: HSM ECOMmand with graphic-colour-display, menu navigation via scroll wheel, diagnosis-tool and error-indication, 5 operator programs

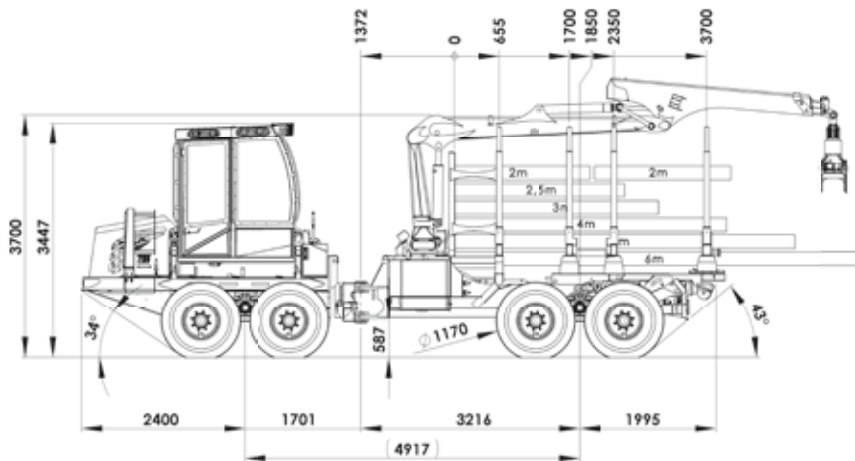
Tank:

- diesel: 190 l
- hydraulic oil: 130 l

208F 9 to Kombi short



208F 9 to Kombi long



Weight "short" / "long":

- 15000 kg / 15200 kg

Load capacity:

- 9t

Winches:

- serial: - Adler double-drum-winch HY 16 (2x80 kN)
max. rope capacity 100 m at 14 mm
- optional: - Adler double-drum-winch HY 20 (2x100 kN)
max. rope capacity 100 m at 14 mm

Crane:

- serial: - Epsilon M70 F80
- other cranes behold crane-list

Tires:

- serial: - 710/40x22,5 min. width: 2550 mm

by using tracks the min. width will change (+100 mm).
other tires on request

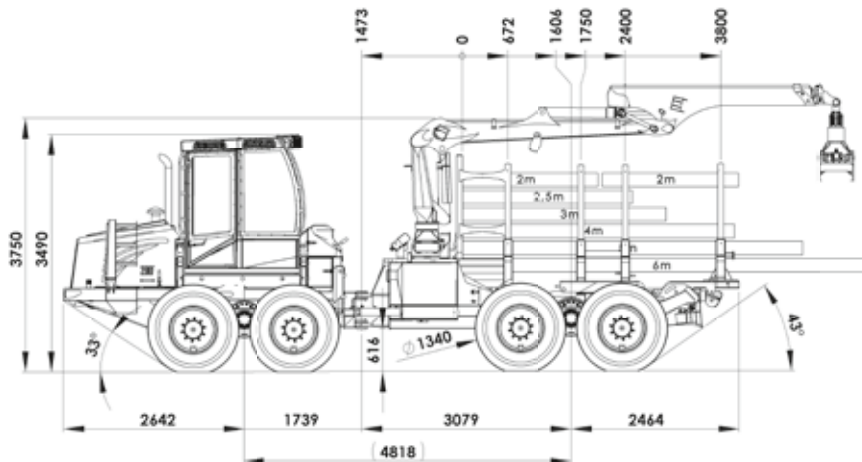
Standard equipment:

- grid and first rung demountable
- last rung demountable and displaceable to loading length
(short) 1,85 m, 2,65 m and 3,2 m
(long) 2,35 m, 3,15 m and 3,7 m
- roller-block, high adjustable
- oscillation lock by 2 hydraulic cylinders
- cross section 3,25 m²

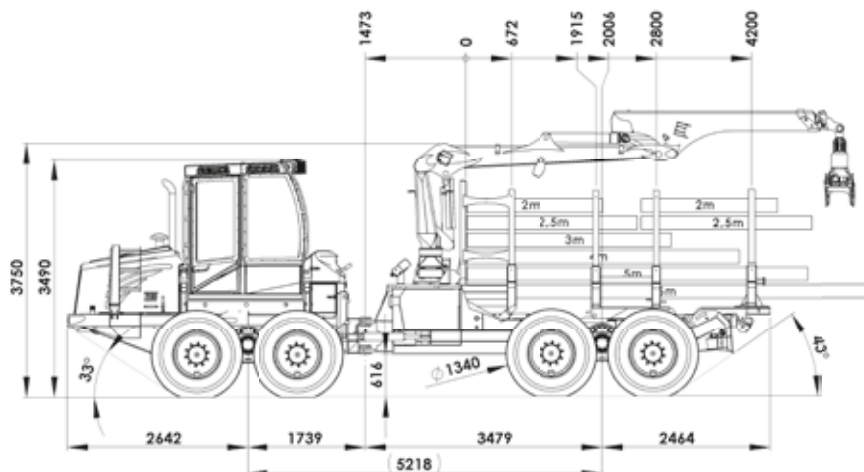
Special equipment:

- front dozer blade
- rear blade
- clambunk with quick-change system
- twin-rung as 2nd and 3rd rung on quick-change system
(only "Kombi long")
- turnable rung
- other options on request

208F 11 to Kombi short



208F 11 to Kombi long



Weight "short" / "long":

- 18 000 kg / 18 200 kg (serial)

Load capacity:

- 11 to

Winches:

- serial: - Adler double-drum-winch HY 20 (2x100 kN)
max. rope capacity 100 m at 14 mm
- optional: - Adler double-drum-winch HY 24 SG (2x120 kN)
max. rope capacity 130 m at 14 mm
- Adler double-drum-winch HY 32 L-SG (2x160 kN)
max. rope capacity 140 m at 16 mm

Crane:

- serial: Epsilon M70 F80
- other cranes behold crane-list

Tires:

- serial: - 710/45x26,5 min. width: 2600 mm

by using tracks the min. width will change (+100 mm).
other tires on request

Standard equipment:

- grid and first rung demountable
- last rung demountable and displaceable to loading length
(short) 2,4 m, 3,2 m und 3,8 m
(long) 2,8 m, 3,6 m und 4,2 m
- roller-block, high adjustable
- oscillation lock by 2 hydraulic cylinders
- cross section 3,3 m²

Special equipment:

- front dozer blade
- rear blade
- clambunk with quick-change system
- twin-rung as 2nd and 3rd rung on quick-change system
- turnable rung
- other options on request

The clever bunk design



Variable last rung at position "short"



Height-adjustable rope-guides up to 2 m



Variable last rung at position "middle"



Skidding by rope possible without demounting the rung



Variable last rung at position "long"



Skidding of long timber by quick-changeable clam-bunk



Quick changeable "Twin-rung" for
2 x 2 or 2 x 2,5 m logs
(not at 805F version "short")



Skidding by rope possible without
demounting the clam-bunk

HSM Crane-list

| X = available against surcharge O = standard equipment # = not available | | | | | | |
|--|-------------|-------------|--------|-------------|------------|-------------|
| | Crane typ | lift moment | reach | grapple Typ | 208F | 208F |
| | | | | | 9 to Kombi | 11 to Kombi |
| Mesera Loglift | F59 F72 | 78/56 kNm | 7,2 m | FG43S | X | # |
| | F59 FT85 | 78/51 kNm | 8,5 m | FG43S | X | # |
| | F59 FT100 | 78/47 kNm | 10,0 m | FG43S | X | # |
| | F59 FT100i | 78/47 kNm | 10,0 m | FG43S | X | # |
| | F71 F72 | 99/75 kNm | 7,2 m | FG43S | X | X |
| | F71 FT85 | 99/70 kNm | 8,5 m | FG43S | X | X |
| | F71 FT100 | 99/66 kNm | 10,0 m | FG43S | X | X |
| | F71 FT100i | 99/66 kNm | 10,0 m | FG43S | X | X |
| | F83 F72 | 106/82 kNm | 7,2 m | FG43S | X | X |
| | F83 FT85 | 106/76 kNm | 8,5 m | FG43S | X | X |
| | F83 FT100i | 106/73 kNm | 10,0 m | FG43S | X | X |
| | M 92 F80i | 130/84 kNm | 8,0 m | FG43S | # | X |
| | M 92 FT86i | 130/84 kNm | 8,6 m | FG43S | # | X |
| | M 92 FT100i | 130/84 kNm | 10,0 m | FG43S | # | X |
| | F111 F72 | 151/111 kNm | 7,2 m | FG43S | # | X |
| | F111 F85 | 151/100 kNm | 8,5 m | FG43S | # | X |
| | F111 FT85 | 151/100 kNm | 8,5 m | FG43S | # | X |
| | F111 FT91 | 151/98 kNm | 9,1 m | FG43S | # | X |
| | F111 FT100 | 151/101 kNm | 10,0 m | FG43S | # | X |
| | M122 F85i | 155/110 kNm | 8,5 m | FG43S | # | X |
| | M122 F96i | 155/ - kNm | 9,6 m | FG43S | # | X |
| | M122 FT100i | 155/ - kNm | 10,0 m | FG43S | # | X |
| | M142 F85i | 178/132 kNm | 8,5 m | FG43S | # | X |
| | M142 F96i | 178/124 kNm | 9,6 m | FG43S | # | X |
| M142 FT100i | 178/ - kNm | 10,0 m | FG43S | # | X | |
| Epsilon | C60 F69 | 82/63 kNm | 6,9 m | FG43S | X | # |
| | C60 F86 | 82/51 kNm | 8,6 m | FG43S | X | # |
| | M70 F80 | 102/68 kNm | 8,0 m | FG43S | O | O |
| | M70 F86 | 102/68 kNm | 8,6 m | FG43S | X | X |
| | M70 F101 | 102/65 kNm | 10,1 m | FG43S | X | X |
| | M80 F80 | 114/79 kNm | 8,0 m | FG43S | X | X |
| | M80 F86 | 114/79 kNm | 8,6 m | FG43S | X | X |
| | M80 F101 | 114/75 kNm | 10,1 m | FG43S | X | X |
| | S100 F80 | 128/91 kNm | 8,0 m | FG43S | # | X |
| | S100 F86 | 128/90 kNm | 8,6 m | FG43S | # | X |
| | S100 F101 | 128/86 kNm | 10,1 m | FG43S | # | X |
| | S110 F80 | 143/104 kNm | 8,0 m | FG43S | # | X |
| | S110 F86 | 143/104 kNm | 8,6 m | FG43S | # | X |
| | S110 F101 | 143/100 kNm | 10,1 m | FG43S | # | X |
| | X120 F80 | 159/111 kNm | 8,0 m | FG43S | # | X |
| | X120 F86 | 159/110 kNm | 8,6 m | FG43S | # | X |
| | X120 F102 | 159/107 kNm | 10,2 m | FG43S | # | X |
| | X140 F80 | 173/123 kNm | 8,0 m | FG43S | # | X |
| | X140 F86 | 173/122 kNm | 8,6 m | FG43S | # | X |
| | X140 F102 | 173/119 kNm | 10,2 m | FG43S | # | X |
| low crane column (height 1730 mm) series at steep slope and kombi | | | | | X | O |

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