

# F18<sup>E</sup>



**Service weight from 22 400 kg**  
**Length 10 864 mm**  
**Width 3 200 mm**  
**Transportation height 3 913 mm**  
**Ground clearance 753 mm**  
**Loading capacity 18 Ton 4,8-5,9 m<sup>2</sup>**

## Engine

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| Type            | JD Power Tech PVS 6090 CI550, Stage V                                        |
| Engine          | Diesel or HVO                                                                |
| Fuel tank       | 210 liter                                                                    |
| AdBlue-tank     | 10 liter                                                                     |
| Engine output   | Max. 207 kW, 221 hk Din, @1700 rpm                                           |
| Engine torque   | Max. 1232 Nm @1500 rpm                                                       |
| Cylinder volume | 6 cyl. 9,0 liter with common rail injection system seriell turbo, 1 variable |

## Hydrostatic transmission

|                |                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------|
| Type           | Hydrostatic/mechanical transmission with load regulation controlled by Rexroth control system |
| Tractive force | 260 kN                                                                                        |
| Speed          | Gear 1: 0 - 6 km / h<br>Gear 2: 0 - 12 km / h<br>Gear 3: 0 - 20 km / h                        |

## Brakes

|      |                                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Type | 2-circuit electrically/hydraulically operated negative wet disc brakes. Automatic load brake. Spring-assisted parking and emergency brake |
|------|-------------------------------------------------------------------------------------------------------------------------------------------|

## Crane

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| Type              | Jib arm crane RK160 with dual slew cylinders and telescope 2,2 m |
| Lifting torque    | 156 kNm                                                          |
| Torque            | 45 kNm                                                           |
| Angle of rotation | 370°                                                             |
| Reach             | 8,5 m mit 2,2 m teleskop                                         |
| Grapple           | HSP 040 HD                                                       |

## Hydraulic system

|                      |                                                                                  |
|----------------------|----------------------------------------------------------------------------------|
| Type                 | Load sensing hydraulic system                                                    |
| Pump capacity        | 180 cm <sup>3</sup><br>270 liter / 1500 rpm<br>3,0 - 22,0 MPa (working pressure) |
| Tank volume          | 130 liter                                                                        |
| Degree of filtration | 10 my                                                                            |
| Hydraulic oil        | Rottne Biohydraul 32-68                                                          |

## Cab

|                |                                                                                                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type           | Spacious, vibration-proof safety cab, ISO certified                                                                                                             |
| Noise level    | 65 dBA                                                                                                                                                          |
| Climate system | ACC                                                                                                                                                             |
| Palettes       | Button panels and mini displays mounted in armrests. Crane levers. Joystick, tilt, or mini wheel on the control levers. Mini wheel or mechanical lever steering |

## Electrical system

|                  |                                                   |
|------------------|---------------------------------------------------|
| Type             | 24 volt electrical system with CAN-bus technology |
| Battery capacity | 2 x battery 145 + 145 Ah                          |
| Alternator       | 1 st. 150 A                                       |
| Bucking system   | Rottne Forester                                   |
| Display          | 10.1" operating screen with touch                 |
| Working lights   | 17 pcs                                            |

## Chassi

|                     |               |
|---------------------|---------------|
| Type                | Frame-steered |
| Steering angle      | +/- 43 °      |
| Max steering torque | 93,5 kNm      |
| Horizontal angle    | +/- 22 °      |

## Wheel equipment

750/55 x 26,5 /24 F2 SF Nokian Forest King (W = 3200 mm)

## Configurations

### Machine:

750/55 x30,5 T428 (W =3007mm) Standard Standard wheels

780/50 x 28,5 /24 F2 SF wide rim for band ( W = 3230 mm)

Balanced bogie front

Balanced bogie back

Extended wagon frame

Extra load bunk

Wide Load (4,8-5,9m<sup>2</sup>)

Expansion sleeves for standard bunks (4,8-5,8 m<sup>2</sup>)

### Crane:

Crane RK160 with FC16DT Double telescope (Reach 10 m)

Cranetilt

Crane tip control Rottne Crane Assistance

### Grapple:

Hultdins SGII 420S

For information regarding options and additional equipment, see separate document.

