| **Technical Specifications FURUKAWA 345** | | |
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| **Version of the model:** | | |
|  | Boom model: | Standard boom |
|  | Linkage: | Z-Bar |
|  | **Production year:** | |
|  | From: | 1994 |
|  | Till: | 1997 |
| **Engine:** | | |
|  | Brand: | Furukawa |
|  | Model: | F683T |
|  | Type: | 4 stroke Direct injection |
|  | Engine cooled: | water cooled |
|  | Cylinders: | 6 |
|  | Aspiration: | turbocharged |
|  | **Power:** | |
|  | Gross: | 143.50Kw / 192.43Hp |
|  | Power at: | 2200rpm |
|  | **Torque:** | |
|  | Maximum (SAE): | 769.00Nm / 569.06lb-ft |
|  | Max. torque at: | 1500rpm |
|  | Bore: | 114.00mm / 4.49Inch |
|  | Stroke: | 135.00mm / 5.31Inch |
|  | Displacement: | 8,270cm³ / 505ci³ |
|  | Fuel: | diesel |
| **Electrical system:** | | |
|  | **Power source:** | |
|  | System: | 24V |
|  | **Batteries:** | |
|  | Number: | 2 |
|  | Voltage: | 12V |
|  | Power: | 143Ah |
|  | **Alternator:** | |
|  | Voltage: | 24V |
|  | Power: | 50A |
| **Hydraulic system:** | | |
|  | **Hydraulic pump:** | |
|  | Main pump: | 202.00L/m / 53.37gpm |
|  | Steering pump: | 84.00L/m / 22.19gpm |
|  | **Hydraulic pressure:** | |
|  | Working hydraulics: | 205.00Bar / 20.50Mpa |
|  | **Hydraulic cycle time:** | |
|  | Hydraulic cycle time lift: | 5.6sec |
|  | Hydraulic cycle time dumping: | 1.3sec |
|  | Hydraulic cycle time lowering: | 3.6sec |
|  | Total cycle time: | 10.5sec |
| **Transmission & speed:** | | |
|  | Gearbox: | PowerShift |
|  | Powertrain: | 4 Wheel Drive |
|  | **Transmission:** | |
|  | Forward gears: | 4 |
|  | Reverse gears: | 3 |
|  | **Travel speed:** | |
|  | max first gear: | 6.60km/h / 4.10mph |
|  | Maximum speed: | 33.50km/h / 20.82mph |
|  | Max. speed reverse: | 21.50km/h / 13.36mph |
| **Braking system:** | | |
|  | Service brake: | Hydraulic disc brake on all wheels |
|  | **Parking brake:** | |
|  | Brake type: | Wet disc brake |
| **Service refill capacities:** | | |
|  | Fuel tank: | 330.00L / 87.19US gal |
|  | **Hydraulic:** | |
|  | System: | 192.00L / 50.73US gal |
|  | Engine oil: | 22.50L / 23.78US guart |
|  | Coolant system engine: | 45.00L / 47.57US guart |
| **Dimensions:** | | |
|  | **Transport dimensions:** | |
|  | Length: | 7,650mm / 301Inch |
|  | Width: | 2,850mm / 112Inch |
|  | Heigth: | 3,410mm / 134Inch |
|  | **Length dimensions:** | |
|  | With standard bucket: | 7,650mm / 301Inch |
|  | **Height dimensions:** | |
|  | **Exhaust:** | |
|  | Height: | 3,410mm / 134Inch |
|  | **Cabine:** | |
|  | Height: | 3,410mm / 134Inch |
|  | **Ground clearance:** | |
|  | Centre of wheel-base: | 420mm / 17Inch |
|  | **Wheels & tyres:** | |
|  | **Tire size:** | |
|  | Standard: | 23.5 R25 |
|  | **Wheelbase:** | |
|  | Length: | 3,250.00mm / 127.95Inch |
|  | **Wielspoor:** | |
|  | Standard: | 2,060mm / 81Inch |
|  | **Width over tires:** | |
|  | Standard: | 2,680mm / 106Inch |
|  | **Steering:** | |
|  | Steering method: | Articulated frame steering |
|  | Steering system: | Hydrostatic |
|  | Steering angle: | 40degree |
|  | **Turning radius:** | |
|  | Over bucket: | 6,900mm / 272Inch |
|  | **Standard bucket:** | |
|  | Bucket width: | 2,850mm / 112Inch |
|  | Bucket capacity heaped: | 2.80M3 / 2,800.00Liter |
| **Performance:** | | |
|  | **Lifting capacity:** | |
|  | **With bucket:** | |
|  | Tipping load straight: | 12,780kg / 28,116Lbs |
|  | Tipping load full turn: | 11,280kg / 24,816Lbs |
|  | Operating load: | 6,750kg / 14,850Lbs |
|  | Breakout force: | 158.00kN / 15,800.00daN |
|  | **Maximum loading height:** | |
|  | Dump height: | 2,915mm / 115Inch |
|  | Height bucket pin: | 3,970mm / 156Inch |
| **Weight:** | | |
|  | **Operating weight:** | |
|  | Operating weight: | 16,500kg / 36,300Lbs |
|  | With bucket: | 16,500kg / 36,300Lbs |