| **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 |