

R-Evolution R40

ENGINE:

Perkins turbo diesel 1104D-44T – Diesel 4 stroke - 4 cylinder in line – Turbo Intercooler - Water Cooled – Dry Air Filter – Max Power 74 kW @ 2300 rpm – Stage IIIA – Conformity USA EPA Tier 3 / EU STAGE IIIA

TRANSMISSION:

4x4 Hydrostatic with “Automotive” command powered by variable deliver pump and dual displacement hydraulic motor controlled with electro-hydraulic control lever to select a "slow" gear, "fast" gear and “reverse”. Double ratio-mechanical gearbox with electric control gear lever to selection of "work" or "transfer" gear – Max speed 30 km/h (19 mph). Hydraulic accelerator - Inching Pedal.

AXLES:

Hurth over-sized load bearing with final epicyclical gearing reducers – Front axle able to oscillate at 10° - Fixed rear axle

ELECTRICAL SYSTEM:

Starter 12V 3kW – Alternator 12V 65A with incorporated regulator. Battery 12V – 92 AH

BRAKES:

Inner in-oil power disc brakes acting on all four wheels with power supplied by a twin circuit independent pump – Hydraulic inner in-oil power disc parking brake acts directly on rear axle – Emergency brake incorporated directly on service brake.

FRAME:

Electrically Welded High-tempered steel - Frame mounted on roller bearing swivel ring with 315° hydraulic rotation - Automatic and negative mechanical Stop\Block – Control of the hydraulic lifting of drum cylinder by double effect Chute with hydraulic tilt and dual action cylinder controlled from Operator’s Turret or from the ground and hydraulic rotation by dual action cylinder controlled from Operator’s Turret.

STEERING:

Hydrostatic (Orbital Type) fed by an independent pump controlled by steering wheel - Four wheel steering by means of double action twin cylinders- Steering Selector Device on Operator’s Console for: Front Wheel Drive, 4 Wheel Bi-Lateral Drive, 4 Wheel Parallel Drive – Minimum turning radius : 2.550 mm.

BUCKET:

Loading arm with fixed high pendant dumping bucket for fast and hassle free discharge of aggregates - Cap. 500Lt- Loader Arms with 2 lifting cylinders and dual return action – 8 loading shovel - Single lever control.

WATER SYSTEM:

Rapid Intake Positive Displacement Water Pump with "Self-Priming" Rotor, controlled by both the driver's seat from the ground – Delivery 500Lt/min. - Max Pressure 2.2 bar – Dual Standard Water tanks approx. 700 Lt – Two multi-position taps for water delivery to mixing drum - Alternate Water Intake capabilities with quick disconnect hoses and filter- cleaning hose – Electronic water meter – Emergency stop from ground

OPERATOR'S TURRET:

Welded to the rotating frame, with a possibility to rotate at 315° allowing perfect visibility in transfer and work phases - Adjustable anatomically designed seat with springy suspension ergonomically shaped for easy access to controls – Adjustable articulated armrest with joystick – Steering column thermoformed with electronic display instrumentation easily accessible and readable - User friendly dashboards and control panels- Closed cab with large high visibility windshield and wiper

HYDRAULIC SYSTEM:

3 Component Hydraulic Distributor - Variable cylindered pump and piston for rotation drive of drum 34Lt @ 1000 RPM – Geared pump for utilities 26Lt @ 1000 RPM – Geared pump for power steering 20Lt @ 1000 RPM – Max pressure 250 bar – Hydrostatic circuit filter (intake) 10 microns; Hydraulic Circuit filter (intake) 25 microns.

DRUM:

Trilateral discharging, double spiral mixing blade drum with emergency manhole, double cone and convex – Hydrostatic motor-gear and variable delivery pump with orbital engine together of the redactor – Electro-hydraulic command both from the operator's turret or from ground - Geometric volume approx.. 5800 Lt (1532 gals.) Max Concrete Yield 4,0 mc – Drum Speed 18 RPM in both directions – Drum flexible to 315° - Hydraulic telescopic hoisting cylinder for easy and quickly discharge of cement

GROUND COMMANDS:

water meter and controls for water pump operation, drum rotation, up/down chute and emergency stop

TIRES: 18-19.5/16 PR

DIMENSIONS: 2.360x6.930x3.200 mm (Bucket down)

WEIGHT: with open cab kg 7.560

MEETS: CEE road standards