



HD 090V

HD 090V - Articulated tandem roller with vibratory and oscillating drum



- ▶ Ergonomic driver seat with 2 multifunction drive levers
- ▶ Driver seat including steering wheel and instrument panel can be swivelled and rotated
- ▶ Clear view of drum surface, its outer edge and working environment
- ▶ Crab steering to increase working width
- ▶ Can be used universally thanks to oscillations and vibrations
- ▶ Hydrostatic all-wheel drive for excellent hill climbing ability
- ▶ Diesel engine with high power and low sound level
- ▶ Pressure sprinkler system with 2 water pumps; spray nozzles visible from driver seat



HD 090V



HD 090V - Articulated tandem roller with vibratory and oscillating drum

HD 090V

Weights

| | | |
|--------------------------------|-------|-----------|
| Operating weight with cab | kg | 9180 |
| Operating weight, max. | kg | 11830 |
| Axle load, front/rear | kg | 4585/4595 |
| Static linear load, front/rear | kg/cm | 27,3/27,4 |
| French classific., data/class | | 22,2/VT1 |

Machine dimensions

| | | |
|------------------------|----|------|
| Max. working width | mm | 1780 |
| Turning radius, inside | mm | 3961 |

Diesel engine

| | |
|-----------------------------------|------------------|
| Manufacturer | DEUTZ |
| Type | TCD 2012 L04 2V |
| Number of cylinders | 4 |
| Power rat. ISO 14396, kW/PS/rpm | 100,0/136,0/2300 |
| Power rating SAE J1349, kW/HP/rpm | 100,0/134,0/2300 |
| Emissions standard EU/USA | III A / Tier 3 |

Drive

| | | |
|------------------------------------|------|-------------------------|
| Hydrostatic drive, front/rear | | Hydr. motor/hydr. motor |
| Speed, working gear | km/h | 0-7,4 |
| Speed, transportation gear | km/h | 0-14,8 |
| Climbing ability, vibration on/off | % | 30/40 |

Vibration system

Hydrostatic drive. Oscillators or vibrators can be separately switched and controlled independently, front/rear, Automatic frequency control with digital display. Oscillation or vibration, switched manually and automatically

Vibration

| | | |
|----------------------------------|----|-----------|
| Vibration frequency, front, I/II | Hz | 42/50 |
| Amplitude, front, I/II | mm | 0,66/0,37 |
| Centrifugal force, front, I/II | kN | 75/60 |

Oscillation

| | | |
|-----------------------------------|----|-----------|
| Oscillation frequency, rear, I/II | Hz | 33/39 |
| Tangential amplitude, rear, I/II | mm | 1,37/1,37 |
| Oscillation force, rear, I/II | kN | 103/144 |

Steering

| | | |
|-----------------------|---|-----------------------------|
| Steering, type | | Articulated steering |
| Steering, actuation | | hydrostatic, steering wheel |
| Steering angle +/- | ° | 39 |
| Oscillation angle +/- | ° | 10 |

Sprinkler system

| | | |
|-----------------------|---|-----------------|
| Water sprinkler, type | | Pressure |
| Actuation, sprinkling | | interval/manual |
| Water tank, capacity | L | 900 |

Equipment

1 comfort seat, can be swivelled and rotated, 2 multifunction drive levers, Operating hours counter, Fuel level, Indicator lights and emergency stop switch, 2 spotlights, rear, Battery main switch, Triple oil filtering, Water level display, Hydraulic oil temperature display

Optional equipment

ROPS panoramic cab, Dust-free ventilation, Sun visor, Interior lighting, ROPS/FOPS, Seat belt, Speedometer, HCQ asphalt compression meter, Sound insulation, Sunroof, Edge pressing and cutting equipment, Radio, Special colour, Sponge roller, Asphalt temperature display, Back-up alarm

| | | | |
|--------------------------|----------|------------------|--|
| Total length | L | 4600 | |
| Width | B | 1810 | |
| Total height | H | 3040 | |
| Wheel base | A | 3400 | |
| Roller drum width | X | 1680/1680 | |
| Drum diameter | D | 1200/1200 | |

