

Technical data

HD+ 90i VO



Tandem rollers Series HD+

Tandem roller with vibration and oscillation drum

H303

HIGHLIGHTS

- > Operating concept Easy Drive
- > 3-point articulation for even weight distribution and excellent directional stability
- > Innovative cabin concept for optimal visibility and high comfort
- > Compaction with oscillation
- > Digital ready

TECHNICAL DATA HD+ 90i VO (H303)

Weights

| | | |
|--|-----------------|----------------------------|
| Operating weight with cab | kg lbs | 9495 20,936 |
| Operating weight with ROPS | kg lbs | 9315 20,540 |
| Empty weight without cab, without ROPS | kg lbs | 8505 18,754 |
| Max. operating weight | kg lbs | 12140 26,769 |
| Axle load, front/rear | kg lbs | 4785/4710 10,551/10,386 |
| Static linear load, front/rear | kg/cm lbs/in | 28,48/28,04 159.5/157.0 |
| French classification, value/class | | 22,08/VT1 |

Machine dimensions

| | | |
|----------------------------|----------|----------------------|
| Total length | mm in | 4900 192.9 |
| Total height with cab | mm in | 2980 117.3 |
| Total height with ROPS | mm in | 3030 119.3 |
| Height loading, min. | mm in | 2150 84.6 |
| Center distance | mm in | 3700 145.7 |
| Total width with cab | mm in | 1800 70.9 |
| Maximum working width | mm in | 1850 72.8 |
| Ground clearance, center | mm in | 340 13.4 |
| Curb clearance, left/right | mm in | 800/800 31.5/31.5 |
| Turning radius, inside | mm in | 6050 238.2 |

Drum dimensions

| | | |
|----------------------------|----------|------------------------|
| Drum width, front/rear | mm in | 1680/1680 66.1/66.1 |
| Drum diameter, front/rear | mm in | 1200/1200 47.2/47.2 |
| Drum thickness, front/rear | mm in | 17/19 0.7/0.7 |
| Drum type, front | | Smooth/non-split |
| Drum type, rear | | Smooth/non-split |
| Track offset, left/right | mm in | 170 6.7 |

Diesel engine

| | | |
|----------------------------|--|-------------------------|
| Manufacturer | | DEUTZ |
| Model | | TCD 3.6 L4 |
| Cylinders, quantity | | 4 |
| Power ISO 14396, kW/PS/rpm | | 85,0/115,6/2300 |
| Power SAE J1349, kW/HP/rpm | | 85,0/113,9/2300 |
| Exhaust emission standard | | EU Stage V / EPA Tier 4 |

Diesel engine

| | | |
|-----------------------------|--|-------------|
| Exhaust gas after-treatment | | DOC-DPF-SCR |
|-----------------------------|--|-------------|

Travel drive

| | | |
|--------------------------------------|-------------|-----------------------|
| Speed, infinitely variable | km/h mph | 0 - 10,4 0.0 - 6.5 |
| Regulation, infinitely variable | | HAMMTRONIC |
| Gradeability, with/without vibration | % | 41/46 |

Vibration

| | | |
|--|-----------|------------------------|
| Vibration frequency, front, level I/II | Hz vpm | 42/50 2,520/3,000 |
| Amplitude, front, level I/II | mm in | 0,65/0,35 .026/.014 |
| Centrifugal force, front, level I/II | kN lbs | 80/60 18,000/13,500 |

Oscillation

| | | |
|-----------------------------|-----------|---------------|
| Oscillation force, rear | kN lbs | 119 26,775 |
| Oscillation frequency, rear | Hz vpm | 39 2,340 |
| Tangential amplitude, rear | mm in | 1,10 .043 |

Steering

| | | |
|--------------------|---|----------------------|
| Pendulum angle +/- | ° | 10 |
| Steering, type | | Articulated steering |

Water-sprinkling system

| | | |
|------------------------|--|----------|
| Water sprinkling, type | | Pressure |
|------------------------|--|----------|

Tank capacity/filling capacity

| | | |
|--|----------|--------------|
| Fuel tank, capacity | L Gal | 173 45.7 |
| AdBlue/SCR reducing agent tank, capacity | L Gal | 20 5.3 |
| Water tank, capacity | L Gal | 760 200.8 |

Sound level

| | | |
|---|-------|-----|
| Sound power level L(WA), guaranteed | db(A) | 107 |
| Sound power level L(WA), representative measurement | db(A) | |

EQUIPMENT

Scrapers foldable | Pressure water sprinkling system | ECO mode | Driver's platform with access from both sides | Speed preselect | Vibration-isolated driver's platform | Track offset, hydraulic | Water filter system (3-fold) | Central water outlet | Steering column with tiltable dashboard

OPTIONAL EQUIPMENT