

Technical data

HD 90



Tandem rollers Series HD

Tandem roller with two vibrating roller drums

H181

HIGHLIGHTS

- > Excellent view of machine and construction site
- > Ergonomic driver platform with rotatable seat operating unit and adjustable driver's seat
- > 3-point articulation for even weight distribution and excellent directional stability
- > Track offset for comfortable starting and driving away and compacting at curbsides
- > Simple, intuitive and language-neutral control

TECHNICAL DATA HD 90 (H181)

Weights

| | | |
|------------------------------------|-----------------|--------------------------|
| Operating weight with cab | kg lbs | 9190 20,264 |
| Operating weight with ROPS | kg lbs | 8925 19,680 |
| Max. operating weight | kg lbs | 11840 26,107 |
| Static linear load, front/rear | kg/cm lbs/in | 27,6/27,1 154.6/151.8 |
| French classification, value/class | | 22,4/VT1 |

Machine dimensions

| | | |
|----------------------------|----------|----------------------|
| Total length | mm in | 4600 181.1 |
| Total height with cab | mm in | 3040 119.7 |
| Height loading, min. | mm in | 2360 92.9 |
| Center distance | mm in | 3400 133.9 |
| Total width with cab | mm in | 1810 71.3 |
| Maximum working width | mm in | 1780 70.1 |
| Curb clearance, left/right | mm in | 790/790 31.1/31.1 |
| Turning radius, inside | mm in | 4500 177.2 |

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 | 17/17 0.7/0.7 |
| Drum type, front | | Smooth/non-split |
| Drum type, rear | | Smooth/non-split |
| Track offset, left/right | mm in | 100 3.9 |

Diesel engine

| | | |
|----------------------------|--|----------------------------|
| Manufacturer | | DEUTZ |
| Model | | TCD 2012 L04 2V |
| Cylinders, quantity | | 4 |
| Power ISO 14396, kW/PS/rpm | | 100,0/136,0/2300 |
| Power SAE J1349, kW/HP/rpm | | 100,0/134,0/2300 |
| Exhaust emission standard | | EU Stage IIIA / EPA Tier 3 |

Travel drive

| | | |
|--------------------------------------|-------------|-------------------|
| Speed, working gear | km/h mph | 0-7,4 0.0-4.6 |
| Speed, transport gear | km/h mph | 0-14,8 0.0-9.2 |
| Gradeability, with/without vibration | % | 30/40 |

Vibration

| | | |
|--|-----------|------------------------|
| Vibration frequency, front, level I/II | Hz vpm | 42/50 2,520/3,000 |
| Vibration frequency, rear, level I/II | Hz vpm | 42/50 2,520/3,000 |
| Amplitude, front, level I/II | mm in | 0,66/0,37 .026/.015 |
| Amplitude, rear, level I/II | mm in | 0,66/0,37 .026/.015 |
| Centrifugal force, front, level I/II | kN lbs | 75/60 16,875/13,500 |
| Centrifugal force, rear, level I/II | kN lbs | 75/60 16,875/13,500 |

Steering

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

Water-sprinkling system

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

Tank capacity/filling capacity

| | | |
|----------------------|----------|--------------|
| Fuel tank, capacity | L Gal | 185 48.9 |
| Water tank, capacity | L Gal | 700 184.9 |

Sound level

| | | |
|---|-------|-----|
| Sound power level L(WA), guaranteed | db(A) | 108 |
| Sound power level L(WA), representative measurement | db(A) | 107 |

EQUIPMENT

2 drive levers | Switchable amplitude: Big/small | Left/right handrails | Lighting package for driving on public roads | Driver's platform with access from both sides | Seat operating unit, rotatable | Seat operating unit, rotatable, with armrests and seat belt | Vibration front and rear, single and double, switchable

OPTIONAL EQUIPMENT

Air-conditioning system | Tachograph | Fire extinguisher | Protective roof | Edge pressing and cutting equipment | Frequency control | Compaction meter HCQ | Speedometer | Back-up alarm | Telematics system | Automatic vibration system | Working spotlights | Rotating beacon | Locking device | Tool kit