

Technical data

HD 148i VO



Tandem rollers Series HD

Tandem roller with vibration and oscillation drum

H261

HIGHLIGHTS

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

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Weights

| | | |
|---|-----------------|----------------------------|
| Operating weight with cab | kg lbs | 14035 30,947 |
| Max. operating weight | kg lbs | 14880 32,810 |
| Axle load, front/rear | kg lbs | 7350/6685 16,207/14,740 |
| Axle load for max. operating weight, front/rear | kg lbs | 7750/7130 17,089/15,722 |
| Static linear load, front/rear | kg/cm lbs/in | 34,3/31,2 192.1/174.7 |

Machine dimensions

| | | |
|---|----------|----------------------|
| Total length | mm in | 5300 208.7 |
| Total height with cab | mm in | 2983 117.4 |
| Total height with plastic protective roof | mm in | 3033 119.4 |
| Height loading, min. | mm in | 2585 101.8 |
| Center distance | mm in | 3895 153.3 |
| Total width with cab | mm in | 2267 89.3 |
| Maximum working width | mm in | 2310 90.9 |
| Ground clearance, center | mm in | 317 12.5 |
| Curb clearance, left/right | mm in | 833/833 32.8/32.8 |
| Turning radius, inside | mm in | 5980 235.4 |

Drum dimensions

| | | |
|----------------------------|----------|------------------------|
| Drum width, front/rear | mm in | 2140/2140 84.3/84.3 |
| Drum diameter, front/rear | mm in | 1400/1400 55.1/55.1 |
| Drum thickness, front/rear | mm in | 19/19 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 | | CUMMINS |
| Model | | F4.5CS4168 |
| Cylinders, quantity | | 4 |
| Power ISO 14396, kW/PS/rpm | | 125/170/2200 |
| Power SAE J1349, kW/HP/rpm | | 125/168/2200 |
| Exhaust emission standard | | MEE IV |
| Exhaust gas after-treatment | | DOC-DPF |

Travel drive

| | | |
|--------------------------------------|---|------------|
| Regulation, infinitely variable | | HAMMTRONIC |
| Gradeability, with/without vibration | % | 32/36 |

Vibration

| | | |
|----------------------------------|-----------|--------------------------|
| Vibration frequency, front, I/II | Hz vpm | 43/60 2,580/3,600 |
| Amplitude, front, I/II | mm in | 0,57/0,23 .022/.009 |
| Centrifugal force, front, I/II | kN lbs | 146/114 32,850/25,650 |

Oscillation

| | | |
|-----------------------------|-----------|-----------------|
| Oscillation force, rear | kN lbs | 170,5 38,362 |
| Oscillation frequency, rear | Hz vpm | 36 2,160 |
| Tangential amplitude, rear | mm in | 1,10 .043 |

Steering

| | | |
|--------------------|---|----------------------|
| Steering angle +/- | ° | 30 |
| Swing angle +/- | ° | 10 |
| Steering, type | | Articulated steering |

Water-sprinkling system

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

Tank capacity/filling capacity

| | | |
|----------------------|----------|---------------|
| Fuel tank, capacity | L Gal | 240 63.4 |
| Water tank, capacity | L Gal | 1145 302.5 |

Sound level

| | | |
|---|-------|-----|
| Sound power level L(WA), guaranteed | db(A) | |
| Sound power level L(WA), representative measurement | db(A) | 110 |

EQUIPMENT

2 x water pumps | Folding scraper | Dashboard with displays, indicator lights and switches | Tilttable dashboard | Spring-mounted driver's seat with armrests and seat belt | HAMMTRONIC – electronic machine management | Seat operating unit, adjustable sideways and rotatable | Track offset | Compaction parameters adjustable per axle | Water-sprinkling system with spray bars front and rear | Water filter system (3-fold) | Water tank front and rear, can be filled from both sides | Central water outlet

OPTIONAL EQUIPMENT

Heating and air-conditioning system | Frequency control | Track offset display | Camera system | Back-up alarm | Working spotlights | Drum edge lighting | Battery isolation switch | Locking device | Tool kit