

Technical data

DV+ 90i VT-S



Tandem rollers Series DV+

Tandem roller with vibrating roller drum and set of tyres

H278

HIGHLIGHTS

- > Electronic machine management Hammtronic
- > Intelligent water sprinkler system
- > High compaction quality through optimum setting of the compaction parameters
- > Large panorama cabin with clear view concept and free visibility of the drums and the construction site
- > Operating concept Easy Drive

TECHNICAL DATA DV+ 90i VT-S (H278)

Weights

| | | |
|-------------------------------|-------|---------------------|
| Operating weight with cab | kg | 9010 |
| Operating weight, max. | kg | 11740 |
| Static linear load, front | kg/cm | 29,5 |
| French classific., data/class | | 23,0/VX1 / 10,1/PLO |

Machine dimensions

| | | |
|----------------------------|----|---------|
| Total length | mm | 4440 |
| Total height with cab | mm | 2965 |
| Height loading, min. | mm | 2172 |
| Wheel base | mm | 3250 |
| Total width with cab | mm | 1860 |
| Max. working width | mm | 3050 |
| Kerb clearance, left/right | mm | 665/665 |
| Turning radius, inside | mm | 3000 |

Drum dimensions

| | | |
|--------------------------|----|--------------|
| Drum width, front | mm | 1680 |
| Drum diameter, front | mm | 1200 |
| Drum thickness, front | mm | 17 |
| Drum type, front | | Smooth/split |
| Track offset, left/right | mm | 1370 |

Wheel dimensions

| | | |
|------------------------|----|----------|
| Size of tyres, rear | | 11.00-20 |
| Width over tyres, rear | mm | 1680 |
| Number of tyres, rear | | 4 |

Diesel engine

| | | |
|-----------------------------------|--|-------------------------|
| Manufacturer | | DEUTZ |
| Version | | TCD 3.6 L4 |
| Number of cylinders | | 4 |
| Power rat. ISO 14396, kW/PS/rpm | | 74,4/101,2/2200 |
| Power rating SAE J1349, kW/HP/rpm | | 74,4/99,7/2200 |
| Emission standard | | EU Stage V / EPA Tier 4 |
| Exhaust gas after-treatment | | DOC-DPF-SCR |

Drive

| | | |
|------------------------------------|------|------------|
| Speed, infinitely variable | km/h | 0-11,0 |
| Regulation, infinitely variable | | Hammtronic |
| Climbing ability, vibration on/off | % | 40/45 |

Vibration

| | | |
|----------------------------------|----|-----------|
| Vibration frequency, front, I/II | Hz | 42/50 |
| Amplitude, front, I/II | mm | 0,61/0,40 |
| Centrifugal force, front, I/II | kN | 84/78 |

Steering

| | | |
|-----------------------|---|---------------------|
| Oscillation angle +/- | ° | 4 |
| Steering, type | | All-wheel, analogue |

Sprinkler system

| | | |
|-----------------------|--|----------|
| Water sprinkler, type | | Pressure |
|-----------------------|--|----------|

Tank capacity/Fill capacity

| | | |
|--------------------------|---|-----|
| Fuel tank, capacity | L | 160 |
| AdBlue/DEF tank, content | L | 20 |

Tank capacity/Fill capacity

| | | |
|-------------------------|---|-----|
| Water tank, capacity | L | 810 |
| Additive tank, capacity | L | 30 |

Sound level

| | | |
|-------------------------------------|-------|-----|
| Sound power level L(WA), guaranteed | db(A) | 106 |
| Acoustic power L(WA), measured | db(A) | 104 |

EQUIPMENT

12 V sockets (double) | 2 large working and rear view mirrors | 2 water pumps | Foldable scraper | Operating concept Easy Drive | Lighting package as per road traffic regulations | Pressurized refilling of water tanks from below | ECO mode | Spring-mounted driver's seat with armrests and safety belt | Cup holder | Hammtronic - electronic machine management | Cabin floor window, front and rear | Seat-operating unit, can be moved and rotated laterally | Spray system with spray bar front and rear | Water filtering (triple) | Water tank front and rear, can be filled from both sides | Central water drain

OPTIONAL EQUIPMENT

Radio | HCQ Navigator | Edge pressing and cutting equipment | Chip spreader | Anti-freeze injection system | Central grease point | Automatic engine-off function | HAMM Temperature Meter (HTM) | Back-up alarm (reversing) | Rotating beacon | Drum edge lighting | Coming home lighting