

ATLAS Teamwork

AW 1140



- powerful drive
- optimal traction
- advanced compaction technology

ATLAS
weycor

TECHNICAL SPECIFICATION AW 1140 / AW 1140 PD*

| Weight | | AW 1140 | AW 1140 PD* |
|-----------------------|----|---------|-------------|
| Operating weight CECE | kg | 13800 | 14200 |
| Weight on front | kg | 8000 | 8400 |
| Weight on rear | kg | 5800 | 5800 |

Compaction performance

| | | | |
|-------------------------------------|-------|-----------|-----------|
| Linear drum load | kg/cm | 38.00 | |
| Amplitude high / low | mm | 1.9 / 0.7 | 1.9 / 0.7 |
| Frequency at high/low Amplitude | Hz | 30 / 40 | 30 / 40 |
| Centrifugal force at high/low Ampl. | kN | 280 / 180 | 280 / 180 |

Drum

| | | | |
|----------------------|----|------|------|
| Drum width | mm | 2100 | 2100 |
| Drum diameter | mm | 1500 | 1390 |
| Drum shell thickness | mm | 30 | 30 |

Drive

| | | | |
|-----------------------------|------|---------|------------|
| Speed | km/h | 0-12.5 | 0-12.5 |
| Angular movement | ° | ±12 | ±12 |
| Gradeability w/wo vibration | % | 40 / 45 | 40 / 45 |
| Tyres | | 23.1-26 | 23.1-26 TR |

Engine

| Model | Deutz | |
|--------|-----------------|--------------|
| Type | TCD 2012 L4 | TCD 2012 L4 |
| Output | kW 103 (140 HP) | 103 (140 HP) |

Tank capacities

| | | | |
|------------------------|---|-----|-----|
| Fuel capacity | l | 300 | 300 |
| Hydraulic oil capacity | l | 106 | 106 |

Standard equipment

ROPS-Cabin with tinted glass, 2 doors, both sides divided
 Low-maintenance centre-pivot steering
 Low-maintenance vibratory system with 2 amplitudes and frequencies
 No-spin rear axle
 Four-stage hydrostatic drive and traction control
 Both drives equipped with spring-loaded brake
 Adjustable driver's seat with armrest, adjustable steering column
 Emergency switch
 4 working headlights
 Adjustable scraper
 Hot water heating with fresh-air fan

Options

Canopy version with ROPS roll bar and waterproof seat
 Air conditioning (not for Canopy version)
 Padfoot shell kit (3-part) for modification of a smooth drum
 Spring steel scraper blade (for smooth drum only)
 Vulcolan scraper blade (for smooth drum only)
 Cyclone dust separator
 Battery main switch
 Reverse gear alarm
 Rotating light
 Radio
 Radio preparation
 Special colour
 ATLAS hydraulic fluid (environment-friendly)
 Compaction measurement (digital display)
 Compaction measurement with documentation
 Preparation for compaction measurement
 Turnable driver's seat
 With HD-Drive - 4stage
 Fuel-efficient ECO-Speed option

Dimensions (in mm)

| | | AW 1140 | AW 1140 PD* |
|------------------------|----------------|---------|-------------|
| Distance between axles | A | 3195 | 3195 |
| Width | B | 2270 | 2270 |
| Road clearance | D | 490 | 490 |
| Height | H | 2920 | 2920 |
| Drum diameter | H ₁ | 1500 | 1390 |
| Length | L | 5757 | 5757 |
| Inside turning radius | R | 4860 | 4860 |
| Outside turning radius | R ₁ | 7015 | 7015 |
| Width above tyres | W | 2090 | 2090 |
| Drum width | W ₁ | 2100 | 2100 |
| Angle of steering lock | α | ±30° | ±30° |

* PD = padfoot drum

Sound level

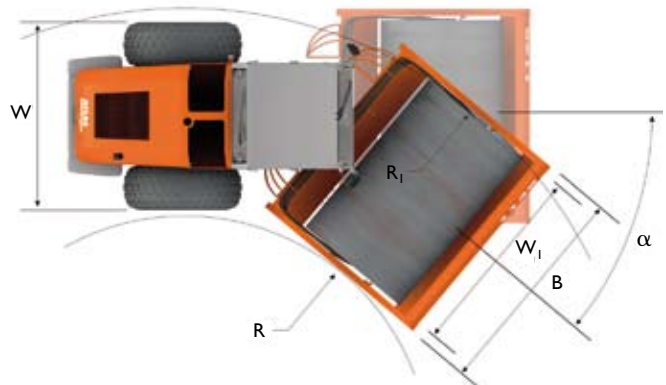
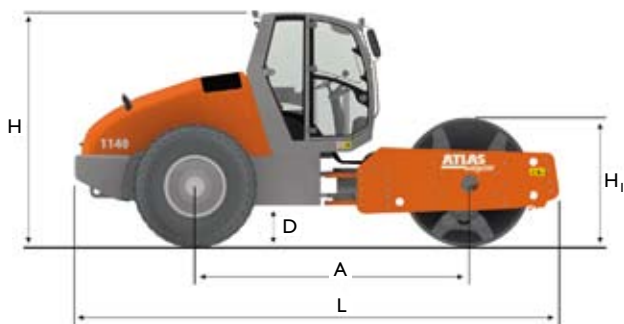
| | |
|--|-------------|
| Average acoustic power-level L _{WA} ⁽¹⁾ : | 104.8 dB(A) |
| Guaranteed acoustic power-level L _{WA} ⁽²⁾ : | 106.0 dB(A) |
| Sound pressure level L _{pA} ⁽³⁾ : | 76.0 dB(A) |

Specific vibration-data

| | |
|--|------------------------------|
| Hand- / arm- / body-vibration ⁽⁴⁾ : | < 2.5 / 0.5 m/s ² |
|--|------------------------------|

(1) According to 2000/14/EG & appendixes.
 (3) According to ISO 6396.

(2) According to 2000/14/EG & appendixes.
 (4) According to ISO 8041.



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Subject to technical alterations.

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