

# ARW 65-S

## WALK-BEHIND ROLLER WITH STEERING

*“The control handle can be used to move the machine smoothly to the left, right, forward and back.”*



### APPLICATIONS

- Earthworks and asphalt applications
- Sidewalk / cycle path construction & repair
- Sports grounds
- Agricultural / forest access roads construction & maintenance

### HIGHLIGHTS

#### Soil and bitumen application

- High-amplitude setting for work on gravel / soil
- Low-amplitude setting for asphalt and bituminous materials
- Factory-installed scrapers, sprinkling system and water tank for work on asphalt

#### Hydraulic drive

- Ensures variable speed adjustment
- Offers smooth starting / braking action
- Low maintenance costs due to hydrostatic drive and vibration

#### Two amplitudes

- High amplitude (0.3 mm/0.01 in) for substructure
- Low amplitude (0.15 mm/0.005 in) for asphalt

#### Efficiency on edges

- Clearance on both drum sides allows compaction work close to obstacles.
- No time-consuming reworking on edges is needed.

#### Safety first

- Safety handle stops machine when operator releases grip.
- Safety handle moves to “forward” when machine works too close to operator while in reverse mode.
- In reverse mode the roller’s reverse speed limit is set to 42 m/min (1.6 mph)

### STANDARD EQUIPMENT

- Hydrostatic adjustable eccentric weights for 2 working modes
- Ergonomic handle
- Dead man’s handle for operator safety
- Integrated hydraulic parking brake
- 60-litre water tank with sprinkling system
- Front- and back-drum scrapers
- Electric starter
- Remote starter (Hatz-E-Start version)
- 3-year extended warranty program

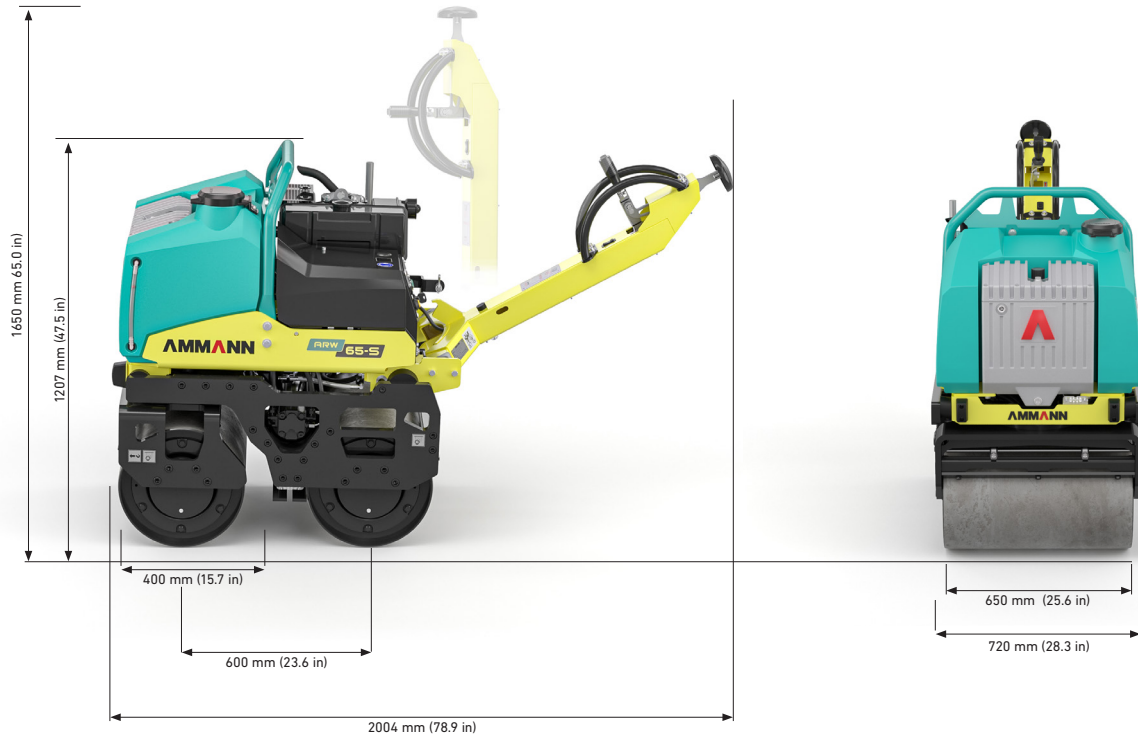
### OPTIONAL EQUIPMENT

- Operating hour meter
- LED working lights
- Remote starter (Yanmar version)
- Starting handle (Hatz-E-Start version)
- Protective handle
- Ammann ServiceLink (Telematics)

**AMMANN**

## TECHNICAL SPECIFICATIONS

### ARW 65-S



#### WEIGHT & DIMENSIONS

|   | HATZ      | YANMAR    | HONDA     |
|---|-----------|-----------|-----------|
| OPERATING WEIGHT                              | 812 kg    | 793 kg    | 777 kg    |
| CECE  | (1790 lb) | (1748 lb) | (1713 lb) |
| MAX. WEIGHT (WITH ELECTRIC START AND OPTIONS) | 822 kg    | 800 kg    | 784 kg    |
|   | (1812 lb) | (1764 lb) | (1728 lb) |
| MACHINE LENGTH                                | 2004 mm   | 2004 mm   | 2004 mm   |
|   | (78.9 in) | (78.9 in) | (78.9 in) |
| WHEEL BASE                                    | 600 mm    | 600 mm    | 600 mm    |
|   | (23.6 in) | (23.6 in) | (23.6 in) |
| DRUM DIAMETER                                 | 400 mm    | 400 mm    | 400 mm    |
|   | (15.7 in) | (15.7 in) | (15.7 in) |
| MACHINE HEIGHT                                | 1207 mm   | 1207 mm   | 1207 mm   |
|   | (47.5 in) | (47.5 in) | (47.5 in) |
| TRANSPORT HEIGHT                              | 1650 mm   | 1650 mm   | 1650 mm   |
|   | (65.0 in) | (65.0 in) | (65.0 in) |
| MACHINE WIDTH                                 | 720 mm    | 720 mm    | 720 mm    |
|   | (28.3 in) | (28.3 in) | (28.3 in) |
| DRUM WIDTH                                    | 650 mm    | 650 mm    | 650 mm    |
|   | (25.6 in) | (25.6 in) | (25.6 in) |

#### COMPACTION FORCES

|                              | HATZ              | YANMAR            | HONDA             |
|------------------------------|-------------------|-------------------|-------------------|
| MAX. VIBRATION FREQUENCY     | 65 Hz             | 65 Hz             | 65 Hz             |
|                              | (3900 rpm)        | (3900 rpm)        | (3900 rpm)        |
| MAX. CENTRIFUGAL FORCE       | 14/23 kN          | 14/23 kN          | 14/23 kN          |
|                              | (3147/5171 lbf)   | (3147/5171 lbf)   | (3147 / 5171 lbf) |
| LINEAR PRESSURE              | 6.3 kg/cm         | 6.1 kg/cm         | 6.0 kg/cm         |
|                              | (35.4 lb/in)      | (34.2 lb/in)      | (33.5 lb/in)      |
| AMPLITUDE                    | 0.3 / 0.15 mm     | 0.3 / 0.15 mm     | 0.3 / 0.15 mm     |
|                              | (0.01 / 0.005 in) | (0.01 / 0.005 in) | (0.01 / 0.005 in) |
| MAX. COMPACTION DEPTH (SOIL) | 20 / 15 cm        | 20 / 15 cm        | 20 / 15 cm        |
|                              | (7.9 / 5.9 in)    | (7.9 / 5.9 in)    | (7.9 / 5.9 in)    |
| MAX. COMPACTIN DEPTH (SAND)  | 30 / 25 cm        | 30 / 25 cm        | 30 / 25 cm        |
|                              | (11.8 / 9.8 in)   | (11.8 / 9.8 in)   | (11.8 / 9.8 in)   |

#### ENGINE

|                      | HATZ            | YANMAR          | HONDA            |
|----------------------|-----------------|-----------------|------------------|
| ENGINE               | 1D42            | L100V           | GX390            |
| FUEL                 | Diesel          | Diesel          | Petrol           |
| ENGINE OUTPUT AT RPM | 6.4 kW (8.6 HP) | 6.1 kW (8.2 HP) | 7.8 kW (10.5 HP) |
|                      | 2800            | 2800            | 2800             |
| FUEL CONSUMPTION     | 2.3 l/h         | 2.5 l/h         | 3 l/h            |
|                      | (0.6 gal/h)     | (0.7 gal/h)     | (0.8 gal/h)      |

#### MISCELLANEOUS

|                                  |                 |                 |                 |
|----------------------------------|-----------------|-----------------|-----------------|
| SPEED (FORWARD)                  | 67 m/min        | 67 m/min        | 67 m/min        |
|                                  | (2.5 mph)       | (2.5 mph)       | (2.5 mph)       |
| SPEED (REVERSE)                  | 42 m/min        | 42 m/min        | 42 m/min        |
|                                  | (1.6 mph)       | (1.6 mph)       | (1.6 mph)       |
| GRADEABILITY W. / W.O. VIBRATION | 25% / 45%       | 25% / 44%       | 25% / 44%       |
| FUEL CAPACITY                    | 5 l (1.3 gal)   | 4.7 l (1.2 gal) | 4.7 l (1.2 gal) |
| WATER TANK CAPACITY              | 60 l (15.8 gal) | 60 l (15.8 gal) | 60 l (15.8 gal) |
| STEERING ANGLE                   | 15°             | 15°             | 15°             |



AWR 65-S Walk-Behind Roller with 15° steering angle