



Machines

## Vibratory Double Drum Roller ARW 65

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## One roller solves multiple tasks

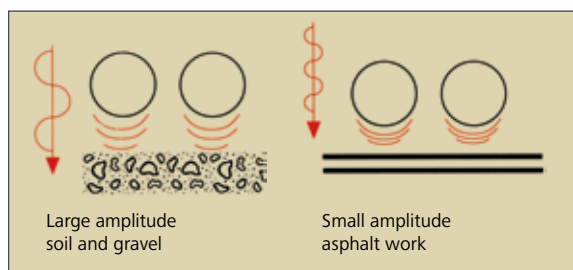
### A universal machine

The economical, unique and multiple task roller, model ARW 65, can be used for soil compaction as well as for asphalt consolidation.

#### **Two performance levels are available by a simple adjustment of the amplitude:**

The large amplitude is used for soil and gravel compaction.

With the small amplitude the unit can be used on black top and bituminous surfaces.



#### **The roller is equipped with alternative versions of powerful and reliable Hatz Diesel Engines.**

Hatz Supra 1 D 42 S is available with crank - or electric start. To avoid any possible down time in case of battery failure the engine always can be started manually.

### Fully hydraulic

Vibration- and drive components are fully hydraulic. To keep service intervals to a minimum the unit has no mechanical fast wearing parts such as v-belts, clutch etc.

The hydraulic drive ensures variable speed adjustment and smooth starting/breaking action.

### Entire side-clearance

#### **No more additional and time consuming work on edges and in confined areas:**

The side clearance on both sides allows compaction work extremely close to curbstones, retaining walls and other obstacles.

#### **Electric start:**

The powerful Yanmar L100 version carries electric start as a standard feature. E-start is definitely a recommended option on the Hatz 1 D 42 S version.



#### **Safety is our highest priority:**

Guide handle complete with dead man's handle hydraulic parking brake reduced reverse speed of 2.5 km/h.



# Technical Specifications

1. The ergonomic and low vibration handle is foldable for easy transport. The integrated dead man's handle ensures maximum operator safety

2. Hydrostatic lever for forward and reverse as well as centrifugal force adjustment

3. Air-cooled Hatz and Yanmar engine with integrated Oil Alert System powerful, service friendly and low emissions values

4. Sturdy protection frame with central lifting point

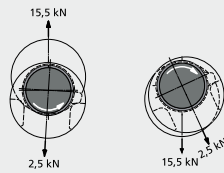
5. Large Water tank (60L) made of wear resistant polyurethane water sprinkler system for compaction work on bituminous material

6. Two hydraulic pumps to power drive and vibration eliminate an expensive and high wearing V-Belt system plus centrifugal clutch

7. Standard feature: integrated hydraulic parking brake



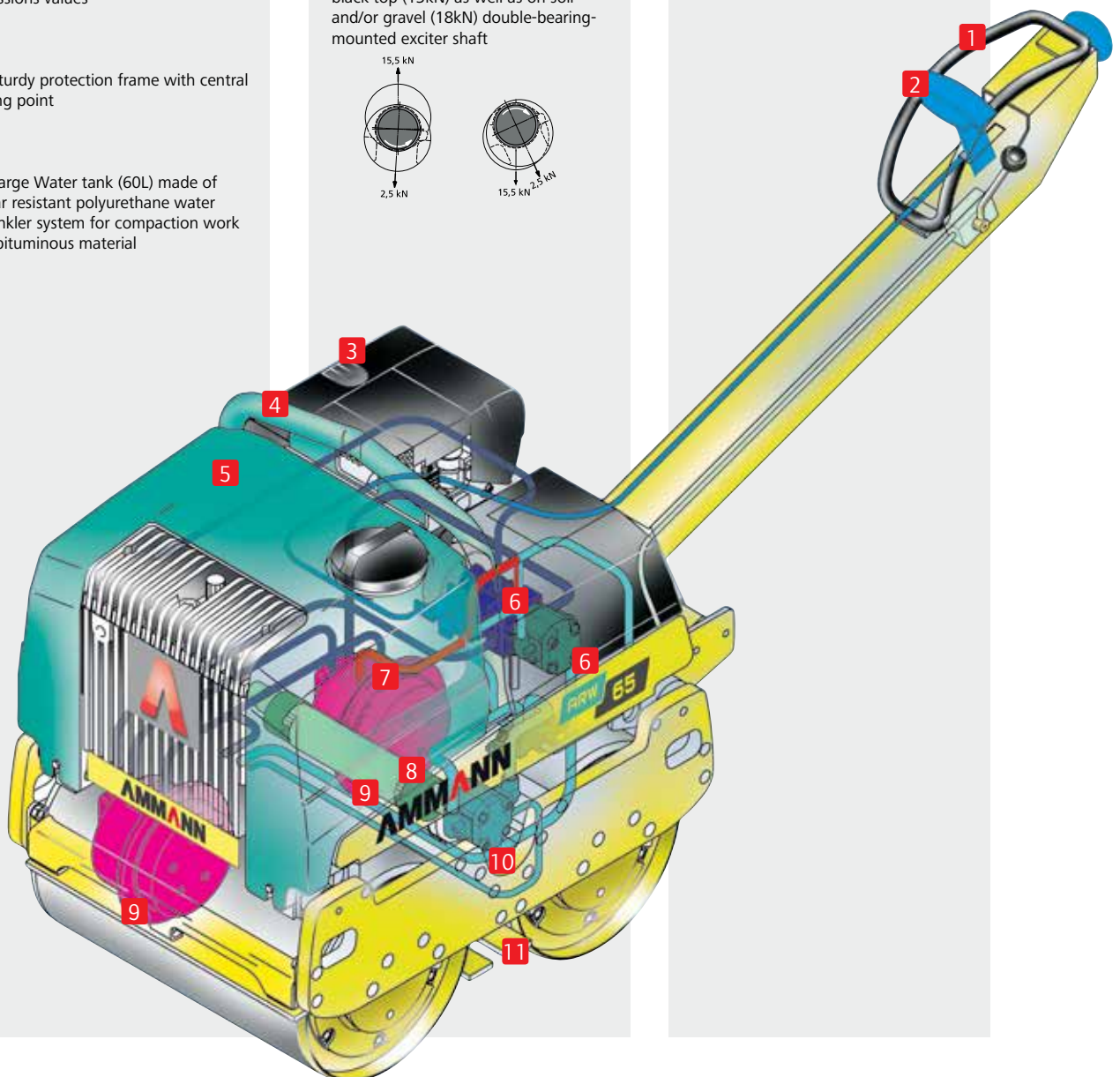
8. Hydrostatic adjustable eccentric weights allow compaction work on black top (13kN) as well as on soil and/or gravel (18kN) double-bearing-mounted exciter shaft

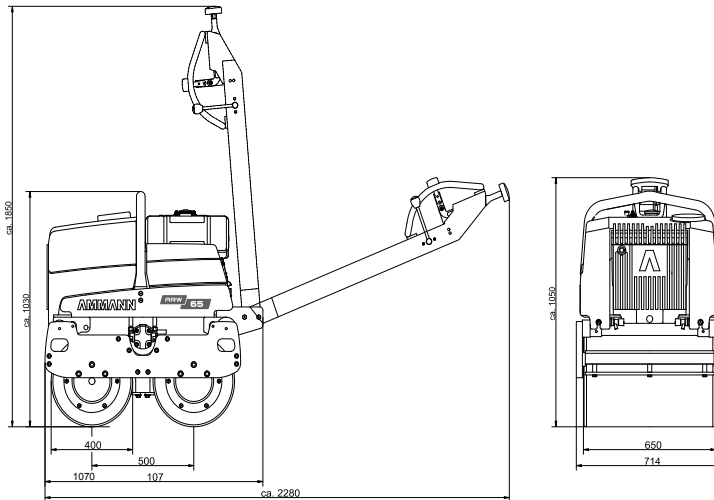


9. Hydrostatic drive motors are installed in both drums

10. A powerful hydraulic motor drives the vibratory shaft

11. Two scraper bars for each drum to ensure an absolute clean drum when working on asphalt





		ARW 65	ARW 65
		Hatz 1D42 S	Yanmar L100
Weight/Measurements			
operating weight CECE	kg (lb)	720 (1584)	700 (1543)
net weight, standard version	kg (lb)	695 (1532)	690 (1521)
net weight, electric starter	kg (lb)	738 (1623)	690 (1521)
working width	mm (in)	650 (26)	650 (26)
linear pressure	kg/cm (lb/in)	5 (28)	5 (28)
Drive		hydrostatic	hydrostatic
diesel engine		Hatz 1D42 S	Yanmar L100
performance	HP (kW)	8,3 (6,1)	8,3 (6,1)
travel speed, infinitely forward	km/h (mph)	4 (2,5)	4 (2,5)
travel speed, infinitely reverse	km/h (mph)	2,5 (1,6)	2,5 (1,6)
Vibration		hydrostatic	hydrostatic
centrifugal force	kN (lbf)	13/18 (2,9/4)	13/18 (2,9/4)
centrifugal force per cm drum width	N/cm (lb/in)	100/138 (57/79)	100/138 (57/79)
frequency	Hz (vpm)	55 (3300)	55 (3300)
max. gradeability with/without vibration	%	25/45	25/45
Capacities			
water	l (gal)	60 (13)	60 (13)
hydraulic oil	l (gal)	20 (4,4)	20 (4,4)
fuel	l (gal)	5 (1,1)	5 (1,1)
fuel consumption	l/h (gal/hr)	1,7 (0,4)	1,2 (0,3)
electric starter		Option	standard
Optional equipment			
operating hour meter		x	x
front protection frame		x	x
Compaction performance* large/small amplitude			
sand/gravel	cm (in)	30/25 (11,8/9,8)	30/25 (11,8/9,8)
cohesive soil	cm (in)	20/15 (7,9/5,9)	20/15 (7,9/5,9)

\*depending on ground condit

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