

# ARR 1575

## TRENCH ROLLER

EU Stage V / U.S. EPA Tier 4 Final



### ALWAYS IN CONTACT WITH SOIL

The ARR 1575 is an articulated trench roller that provides perfect ground contact and optimal compaction. The machine and its padfoot drum provide results, even where other compactors have failed. Its ability to work in cohesive soils can prevent the need for soil removal and replacement, providing a significant financial impact. Two steering cylinders help make the ARR 1575 responsive and precise, while the oscillation feature provides excellent stability on uneven surface of a ditch.

### PRODUCTIVITY

#### Two-stage vibrator

Two different settings of amplitudes and compaction performance enable varied machine usage on construction sites

#### Articulated joint with oscillation

Great manoeuvrable properties with permanent ground contact

#### Drum extensions

Easily changeable drum working widths for different job sites

### ERGONOMICS

#### Infrared remote control

Safest solution; operator must have directly visibility for the machine to run

#### Solar power cells

Machine is always ready to work without additional remote control charging

#### Automatic pairing of machine control

Automatically determines the right communication frequency

### SERVICEABILITY

#### Maintenance-free parts

Reduce time required for machine maintenance and prevent damage to components

#### Tool-free daily inspection

Daily maintenance possible without tools

#### Bolted frame

Clever solution for quick and easy machine servicing

### APPLICATIONS

- Pipeline construction
- Social and industrial development areas
- Structure backfill work
- Confined work spaces
- Airport construction
- Elec. Cable construction
- Dumpsite construction
- Subbase of roads



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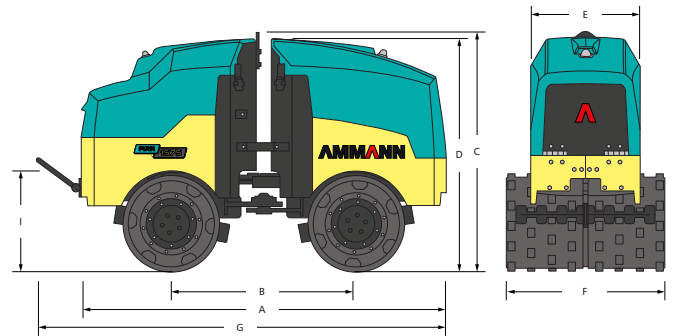
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TECHNICAL SPECIFICATIONS  
ARR 1575 TRENCH ROLLER  
EU Stage V / U.S. EPA Tier 4 Final

DIMENSIONS		
A	Machine length	1980 mm (78 in)
B	Wheelbase	1000 mm (39.4 in)
C	Machine height	1317 mm (51.9 in)
D	Machine height (hood)	1282 mm (50.5 in)
E	Machine width	601 mm (23.7 in)
F	Drum width	640 / 850 mm (25.2 / 33.5 in)
G	Machine length	2227 mm (87.7 in)
I	Drum diameter	525 mm (20.7 in)



WEIGHT & OPERATING CHARACTERISTICS		
	640 mm (25.2 in)	850 mm (33.5 in)
Operating weight	1340 kg (2950 lb)	1440 kg (3170 lb)
Oscillating angle	± 7°	± 7°
Working speed	1.4 km/h (0.9 MPH)	1.4 km/h (0.9 MPH)
Travel speed	2.8 km/h (1.7 MPH)	2.8 km/h (1.7 MPH)
Gradeability with / without vibr.	25 % / 30 %	25 % / 30 %
Turning radius inner	1540 mm (60.6 in)	1440 mm (56.7 in)
Turning radius outer	2190 mm (86.2 in)	2290 mm (90.2 in)

COMPACTION FORCES	
Amplitude I	1.1 mm (0.0043 in)
Amplitude II	0.6 mm (0.024 in)
Frequency	40 Hz (2400 VPM)
Centrifugal force I	75 kN (16 860 lbf)
Centrifugal force II	36 kN (8093.1 lbf)

ENGINE	
Manufacturer	Yanmar 3TNV80F
Power Acc. ISO 3046-1	14.6 kW (20 HP)
Engine complies with emission regulations	EU Stage V / U.S. EPA Tier 4 Final
Nominal speed	2400 min <sup>-1</sup> (RPM)
No of cylinders	3 / water cooling
Drive system	Hydrostatic

MISCELLANEOUS	
Fuel tank capacity	28 l (7.4 gal)
Hydraulic oil capacity	16 l (4.2 gal)

### STANDARD

- Fully hydrostatic drive
- Articulated steering
- Both drum vibration
- Central lifting point
- Infrared and cable control
- Two stage vibratory system

### OPTIONAL

- Security bar
- Drum extensions
- Filter kits
- Customer colors
- Biodegradable oil
- ACE



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