

ARR 1575

TRENCH ROLLER

EU Stage V / US 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

High compaction output

Faster compaction of thicker layers in fewer passes

Articulated joint with oscillation

Higher stability and increased surface coverage and quality

Drum extensions

Adapt machine width to jobsite needs

ERGONOMICS

Simple remote control

Intuitive machine control at a safe distance, even with unskilled operator

Infra-red remote control

Highly safe; operator must have direct visibility of the machine to operate

Solar power cells on remote control

Machine is always ready to work without additional remote control charging

SERVICEABILITY

Maintenance-friendly design

Easy and fast daily maintenance

Accessible service and maintenance points

Machine serviced from ground, enabling comfort

Maintenance-free parts

Reduced risk of machine damage

APPLICATIONS

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

AMMANN

TECHNICAL SPECIFICATIONS
ARR 1575 TRENCH ROLLER
EU Stage V / US EPA Tier 4f

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 / 33.46 in)
G	MACHINE LENGTH	2227 mm (87.7 in)
I	DRUM DIAMETER	525 mm (20.7 in)

MISCELLANEOUS

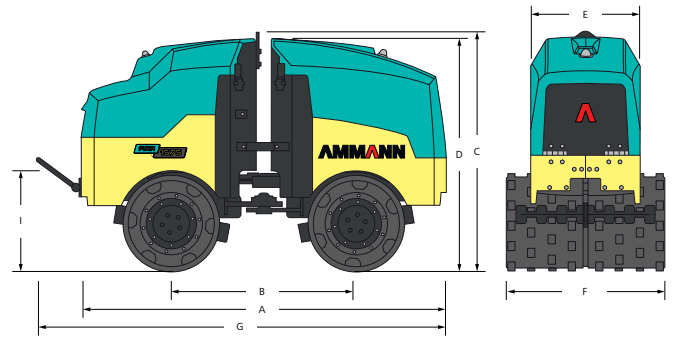
FUEL TANK CAPACITY	28 l (7.4 gal)
HYDRAULIC OIL CAPACITY	16 l (4.2 gal)

WEIGHT & DRIVING CHARACTERISTIC

	640 mm (25.2 in)	850 mm (33.46 in)
OPERATING WEIGHT	1340 kg (2950 lb)	1440 kg (3170 lb)
OSCILATION 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)
CLIMBING ABILITY WITH / WITHOUT VIBRATION	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

FREQUENCY	40 Hz (2400 VPM)
AMPLITUDE	1.1 / 0.6 mm (0.043 / 0.024 in)
CENTRIFUGAL FORCE	75 / 36 kN (16 860.7 / 8 093.1 lbf)



ENGINE

MANUFACTURER	Yanmar 3TNV80F
POWER ACC. ISO 3046-1	14.6 kW (20 HP)
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage V / US EPA Tier 4f
NOMINAL SPEED	1800 min ⁻¹ (RPM)
NO OF CYLINDERS	3 / water cooling
DRIVE SYSTEM	Hydrostatic



STANDARD

- Fully Hydrostatic drive
- Articulated steering
- Both drum vibration
- Central lifting point
- Infrared and Cable control

OPTIONAL

- Safety bar
- Set of Drums
- Drum extensions
- FilterKit
- Customer colors
- Biodegradable Oil
- ACE^{econ}