

A photograph of an AMMANN ARR 1575 trench roller, a yellow and teal machine with a red logo on the hood, operating on a gravel surface. The machine is shown from a front-three-quarter view, highlighting its articulated design and large drum.

ARR 1575

TRENCH ROLLER
Tier 4f

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.

THE ENGINE

- Quiet, powerful and fuel efficient Yanmar engine
- Tier 4 Final compliant

EFFECTIVE COMPACTION

- Low centre of gravity provides great stability and helps to reach targeted compaction level
- Vibrating front and rear drums
- Roller performs well in cohesive soils, in part because of kneading effect

USER FRIENDLY

- Oscillation feature for reduced tipping over
- Easy-to-install drum extension kits
- Compaction widths from 640 mm to 850 mm for maximum productivity
- Wide hood opening for easy access to service points and components
- 2 steering cylinders for responsiveness, precision

INFRARED SYSTEM

- Is perfectly positioned with no dead angles
- Has integrated solar panels for transmitter charging

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
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

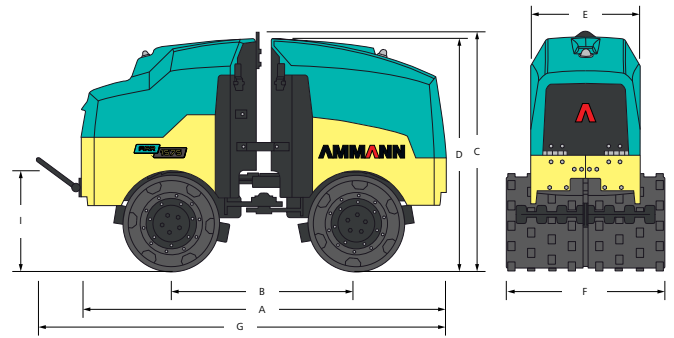
FUEL TANK CAPACITY	28 l (7.4 gal)
HYDRAULIC OIL CAPACITY	16 l (4.2 gal)

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	30 %	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 (0.04 / 0.02 in)
CENTRIFUGAL FORCE I	75 / 36 kN



ENGINE

MANUFACTURER	Yanmar 3TNV80F
POWER ACC. ISO 14396	14.6 kW (20 HP)
ENGINE COMPLIES WITH EMISSION REGULATIONS	U.S. EPA Tier 4 Final
MAXIMUM TORQUE	68.4/1800 Nm(ft lb)/rpm
NO OF CYLINDERS	3 / water cooling
DRIVE SYSTEM	Hydrostatic



STANDARD EQUIPMENT

- The only trench roller worldwide with articulation-/ oscillation joint, permanent ground contact of all 4 drums
- Excellent compaction results
- Maximum working comfort, respecting the highest safety regulations
- Short- and far distance shut off at < 2 and > 20 m
- Using the IR remote control, the visual contact to the machine is ensured at any time
- Solar panels in the infrared remote control are ensuring a permanent readiness for operation, the annoying searching and charging of the accumulators disappears totally
- Completely hydrostatic drive, hydromechanical brakes