

# ARX 20

LIGHT TANDEM VIBRATORY ROLLER  
U.S. EPA Tier 4 Final



## LIGHT AND ARTICULATED

The Ammann ARX 20 Tandem Roller is a light, articulated ride-on roller that delivers optimum compaction results through its double-drive and double-vibration systems.

The roller works flush against curbs and other obstructions to eliminate the need for special edge compaction efforts. The ARX 20 is built with high quality, long-lasting components that reduce the cost of ownership over the lifetime of the machine. It is reliable, economical, safe and fuel efficient.

## APPLICATIONS

- Small and medium construction sites
- City roads
- Boardwalks
- Repair works in city centre

## PRODUCTIVITY

### Electronic drive lever

Advanced drive control enables smooth starts and stops during machine operation.

### Articulation joint with oscillation

Great manoeuvrability and constant contact with the surface are key factors in achieving high quality compaction.

### Sprinkling system

Multi-level filtration system with large water tank for extended intervals between fillings.

## ERGONOMICS

### Operator platform design

Spacious operator platform with comfortable driver's seat.

### Simple & convenient operation control

Dashboard with clear display and intuitive machine control.

### Exceptional operator visibility

Perfect all-around machine visibility to maximise safety on the jobsite.

## SERVICEABILITY

### Tool-free daily inspection

Quick and easy daily inspection.

### Maintenance-free parts

Reduce time required for machine maintenance and prevent damage to components.

### Service point locations

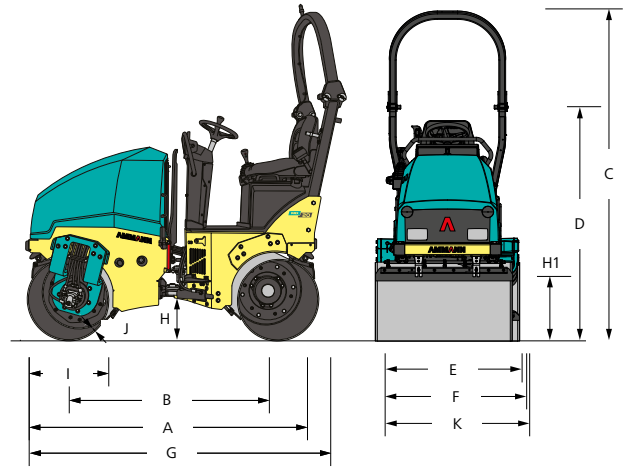
Service and regular maintenance points are quickly and easily accessible.

**AMMANN**

TECHNICAL SPECIFICATIONS  
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## DIMENSIONS

A	MACHINE LENGTH	2020 mm (79.5 in)
B	WHEELBASE	1440 mm (56.7 in)
C	MACHINE HEIGHT	2400 mm (94.5 in)
D	MACHINE HEIGHT (FOLDED ROPS)	1730 mm (68.1 in)
E	DRUM WIDTH	1000 mm (39.4 in)
F	WORKING WIDTH WITH OFFSET	1050 mm (41.3 in)
G	MACHINE LENGTH	2330 mm (91.7 in)
H	GROUND CLEARANCE	230 mm (9.1 in)
H1	SIDE CLEARANCE	370 mm (14.6 in)
I	DRUM DIAMETER	580 mm (22.8 in)
J	DRUM SHELL THICKNESS	13 mm (0.5 in)
K	MACHINE WIDTH (TOTAL)	950 mm (37.4 in)



## WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT CECE	1550 kg (3420 lb)
OPERATING WEIGHT MAX.	1700 kg (3747.9 lb)
STAT. LIN. LOAD	7.3/8.2 kg/cm (16,1/18.1 lb/in)
TURNING RADIUS INSIDE	2100 mm (82.7 in)
STEERING / OSCILLATING ANGLE	30/6 ±°
DRUM OFFSET	50 mm (1.97 in)

## ENGINE

ENGINE TYPE	YANMAR 3TNV80F
EMMISSION CLASS	U.S. EPA Tier 4 Final
POWER OUTPUT ISO 3046	14.6 kW /20 HP
CYLINDER / LTR.	3 cyl / 1267 No./ccm
1. / 2. WORKING SPEED	2100 / 2400 rpm
TRAVEL SPEED	8.5 km/h (5.3 MPH)
GRADEABILITY WITH / WITHOUT VIBR.	30 % / 40 %

### STANDARD

- Front and rear vibration & drive
- Pressurised pulse interval sprinkler system
- 2 working frequencies
- Control system with emergency stop
- Ammann Vibration Control
- Central lifting point
- Hydraulic test ports
- On-board diagnostics
- Front/rear rubber bumpers
- ATC - Ammann Traction Control

## COMPACTION FORCES

AMPLITUDE I	0.5 mm (0.02 in)
AMPLITUDE II	0.5 mm (0.02 in)
FREQUENCY I	58 Hz (3480 VPM)
FREQUENCY II	66 Hz (3960 VPM)
CENTRIFUGAL FORCE I	21 kN (4721 lbf)
CENTRIFUGAL FORCE II	24 kN (5395 lbf)

## MISCELLANEOUS

BATTERY / CAPACITY	12/77 V/Ah
WATER TANK	110 l (29.1 gal)
HYDRAULIC TANK	28.5 l (7.5 gal)
DIESEL FUEL TANK	24 l (6.3 gal)

### OPTIONAL EQUIPMENT

- CE-kit with folding ROPS and working lights
- Road lights
- Infrared thermometer
- Reverse alarm
- Battery disconnection switch
- Additional working lights (ROPS mounted)
- Warning beacon
- Second drive-lever, left
- Arm rests
- Edge-cutter inc. Multi-function lever
- Bio-degradable hydraulic oil
- Drums In-line
- Customer color
- Wheather canopy
- Servicelink