

MACHINES

# ASC & ARS SINGLE DRUM ROLLERS

ASC & ARS SERIES SOIL COMPACTORS



**AMMANN**

# YOUR BENEFITS AT A GLANCE

WHAT CHARACTERISES THE SINGLE DRUM ROLLERS  
FROM AMMANN?



## ASC LIGHT SOIL COMPACTORS (ASC 30, 50)

### PRODUCTIVITY

#### High compaction output

Faster compaction of thicker layers in fewer passes

#### No rear axle concept

Compact machine design for high stability, manoeuvrability and service access

#### Excellent gradeability

Exceptional traction in all conditions due to twin-lock system

### ERGONOMICS

#### Cab design

Spacious cab with low sound levels for all-day operator comfort

#### Simple and reliable dashboard

Intuitive machine control, even with an unskilled operator

#### Visibility

Perfect all-around machine visibility for safety on the jobsite

### SERVICEABILITY

#### Accessible service points

Perfect access to service points

#### Ground access to service and maintenance points

Machine serviced from ground, enabling comfort

#### Design that enables daily maintenance

Easy and fast daily maintenance

## ASC SOIL COMPACTORS (ASC 70, 110, 130, 150, 170)

### PRODUCTIVITY

#### High compaction output

Faster compaction of thicker layers in fewer passes

#### No-rear-axle concept

Compact machine design for high stability, manoeuvrability and service access

#### ACE<sup>pro</sup>/ACE<sup>force</sup>

Intelligent compaction tools for maximum efficiency and productivity

### ERGONOMICS

#### Cab design

Spacious cab with low sound levels for all-day operator comfort

#### Simple and reliable dashboard

Intuitive machine control, even with an unskilled operator

#### Visibility

Perfect all-around machine visibility for safety on the jobsite

### SERVICEABILITY

#### Tiltable cabin and engine hood

Best access to service points and engine compartment

#### Ground access to service and maintenance points

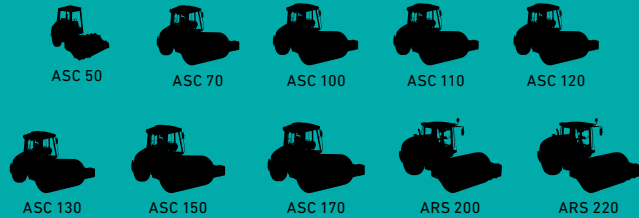
Machine serviced from ground, enabling comfort

#### Maintenance-friendly design

Easy and fast daily maintenance

# ASC & ARS SOIL COMPACTORS

## SMOOTH DRUM



ASC 50

ASC 70

ASC 100

ASC 110

ASC 120

ASC 130

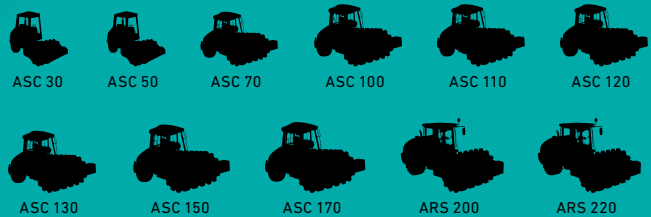
ASC 150

ASC 170

ARS 200

ARS 220

## PADFOOT DRUM



ASC 30

ASC 50

ASC 70

ASC 100

ASC 110

ASC 120

ASC 130

ASC 150

ASC 170

ARS 200

ARS 220

## ARS SOIL COMPACTORS (ARS 200, 220)

### PRODUCTIVITY

#### High compaction output

Faster compaction of thicker layers in fewer passes

#### No rear axle concept

Compact machine design for high stability, manoeuvrability and service access

#### ACE<sup>force</sup>

Intelligent compaction tool for best efficiency

### ERGONOMICS

#### Cab design

Spacious cab with low sound levels for all-day operator comfort

#### Control and information display integrated into steering wheel

Multifunctional display for intuitive machine control and overview, even with unskilled operator

#### Visibility

Perfect all-around machine visibility for safety on the jobsite

### SERVICEABILITY

#### Tiltable cabin and engine hood

Best access to service points and engine compartment

#### Ground access to service and maintenance points

Machine serviced from ground, enabling comfort

#### Design that enables daily maintenance

Easy and fast daily maintenance



**“Built for traction  
and efficiency.”**





# ELIMINATE PASSES

Compaction is about reaching your goals in the fewest passes possible. Ammann soil and asphalt compactors provide that needed efficiency through industry-leading technology and an ability to direct more force toward the target and away from the machine. The result: quality results in fewer passes and a more productive and profitable jobsite.

## INTRODUCTION

- The family of single drum rollers follows the Solid Power DNA and provides excellent operator comfort and unique compaction output and productivity.
- The line consists of machines ranging from 3 t to 26 t and utilising the latest Cummins, Kubota and Deutz Tier 4i/EU Stage 3B or Tier 3 /EU Stage 3A engines or Tier 4f/EU Stage 4.

# COMPACTION OUTPUT

## MEETING AND MEASURING GOALS

All Ammann rollers feature vibratory and amplitude systems that help you quickly reach compaction targets. Optional Intelligent Compaction systems can provide even more efficiencies.

### ASC 30

- Single-amplitude system
- PD drum as standard
- Smooth shell Kit optionally available



### ASC 50 HD–ARS 220 VIBRATORY SYSTEMS

- High compaction performance and quality
- Heavy-duty 2-stage vibrator
- Simple system for adjusting amplitude/frequency by selection of vibratory shaft rotation direction
- Multiple amplitudes and frequencies available with ACE<sup>pro</sup>



# YOUR BENEFITS

## BOOST YOUR PERFORMANCE ON ANY JOBSITE

It's hard to know what the next job will bring: clay, sand or something in between? Ammann Soil Compactors provide industry-leading compaction outputs – whatever the application. Your jobsite conditions will change, but you will always have a need for productivity and performance.

### WIDE RANGE OF OPTIONS

- Available with several engine types to match your local requirements
- Additional options available that fit your specific needs

### DESIGN

- Comfort built into cabs to improve operator productivity and reduce fatigue
- Optimal visibility to front, sides and rear
- Control switches located on the dashboard or in the armrest for convenience
- Multifunctional display in steering wheel for full utilisation of all machine functions on the ARS models
- Low sound levels for improved comfort

### HIGH COMPACTION OUTPUT

- Industry-leading compaction output
- Tried-and-tested Ammann vibratory system
- Varied vibratory and amplitude settings that drive the energy into the material and away from the operator
- Machine design to properly direct dynamic forces

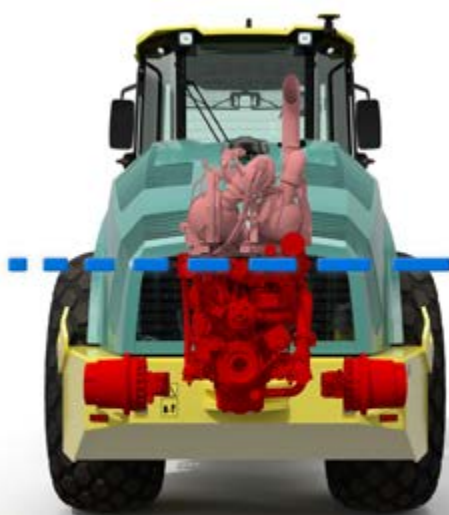
### COMPACTION TECHNOLOGY

- Available with proprietary Ammann Compaction Expert (ACE) systems ACE<sup>force</sup>, ACE<sup>pro</sup> and ACI<sup>eco</sup>, depending on models
- Identifies uncompacted spots
- Displays and evaluates all measured values including load-bearing capacity of material, number of passes and frequency/amplitude values

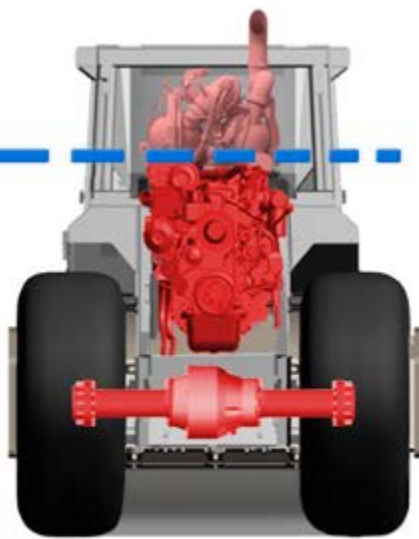
### INTELLIGENT COMPACTION OPTIONS

- ACE<sup>pro</sup>, which provides compaction measurement, automatic control and a documentation system
- ACE<sup>force</sup>, which provides compaction measurement, guiding function and a documentation system
- ADS (Ammann Documentation System), which records and evaluates all relevant compaction process data
- GPS mapping, which adds information to ACE documentation and offers a location view
- ACI<sup>eco</sup> (Ammann Compaction Indicator), which measures relative compaction value and compaction progresses with every pass

### AMMANN SOLUTION



### COMPETITORS SOLUTION



### NO REAR AXLE

- Compact machine design
- Has low centre of gravity for high stability
- Improves manoeuvrability
- Enhances visibility and safety
- Offers easy service access

# BUILT FOR VERSATILITY

## ROLLERS EXCEL IN VARIED APPLICATIONS

Ammann offers many models of rollers so their varied weights and sizes can help you succeed in everything from tight spaces to wide-open jobsites. Easily adjusted amplitude and frequency bring additional versatility once your crew is rolling.

### TOP LAYERS

Single Drum Rollers not used

#### SUB-BASES

**ASC (30/ 50)**

**Gravel mixtures:**

recommended lift thickness  
max. 150 mm (5.91 in)

**Sub-base course:**

recommended lift thickness  
max. 250 mm (9.84 in)

**Sub-grade:**

not recommended

#### SUB-BASES

**ASC (70)**

**Gravel mixtures:**

recommended lift thickness  
max. 250 mm (9.84 in)

**Sub-base course:**

recommended lift thickness  
max. 350 mm (13.8 in)

**Sub-grade:**

not recommended

#### SUB-BASES

**ASC (100/110/120/130/150/170)**

**Gravel mixtures:**

recommended lift thickness  
max. 300 mm (11.8 in)

**Sub-base course:**

recommended lift thickness  
max. 500 mm (19.7 in)

**Sub-grade:**

recommended lift thickness  
max. 1000 mm (39,4 in)

#### SUB-BASES

**ARS (200/220)**

**Gravel mixtures:**

recommended lift thickness  
max. 400 mm (15.75 in)

**Sub-base course:**

recommended lift thickness  
max. 600 mm (23.6 in)

**Sub-grade:**

recommended lift thickness  
max. 1700 mm (66,9 in)

### APPLICATIONS

#### LIGHT COMPACTOR

- Pipeline construction
- Social and industrial development areas
- Structure backfill work
- Confined work spaces
- Airport construction
- Electric cable construction
- Dumpsite construction
- Sub-base of roads

#### MEDIUM AND HEAVY COMPACTOR

- Motorways
- Railways
- Airfields
- Rock fill dams
- Industrial zones
- Harbours
- Residential areas



SUB-BASE COURSE

SUB-GRADE

GRAVEL MIXTURES



**“Ammann Soil Compactors  
provide industry-  
leading compaction  
outputs regardless  
of the application.”**





# OPERATOR COMFORT AND CONTROLS

## DESIGNED FOR SUCCESS

Ammann rollers are built to keep operators comfortable, helping boost productivity throughout a long shift. This attention to design also helps operators of all experience levels succeed.

### CABS AND PLATFORMS

- Spacious
- Comfortable
- Exceptional visibility
- Easy to operate
- Intuitive control and handling
- Easy-to-reach control switches



ARS cabin

# MAINTENANCE MADE EASY

MAKING THE MOST OF YOUR TIME

Extended service intervals limit the amount of routine maintenance that is required of all Ammann equipment. When it is time for preventive maintenance, service points are easy to reach – helping your crew quickly complete the work. Robust components minimise unplanned interruptions.

## KEY FEATURES

- All service points reachable from ground
- E-hydraulic tilt cab and hood standard on some models
- Filling and draining points centralised for easy and fast fluid exchange
- Convenient access to all filtration elements
- Cleanable, accessible cooler



# DRIVE TRAIN

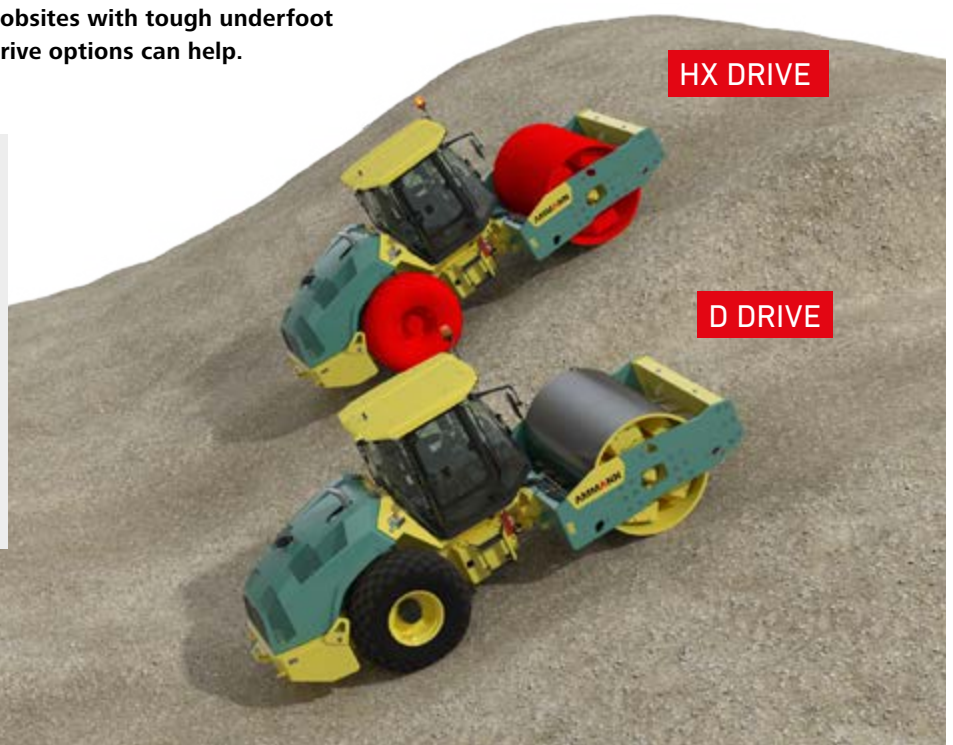
Do you make a living on challenging jobsites with tough underfoot conditions and steep grades? These drive options can help.

## DRIVE (D)

- For machine with smooth drum and diamond tyres
- Gradeability of 45 %

## HX DRIVE (HX)

- HD propulsion plus reinforced front drive
- Gradeability of 65 %









# OPTIONS

## THE NEXT STEP

Finding the right roller is a great start. Next choose from a broad range of options that provide you with a machine that feels custom-made.

### LIGHT COMPACTORS

- 4-way dozer blade (ASC 30)
- PD drum for ASC 50
- Smooth drum shell kit
- Open platform
- Cabin
- Backup alarm
- Beacon
- Custom color



4-way dozer blade (ASC 30)



PD drum for ASC 50



Open platform



Cabin



## MEDIUM AND HEAVY COMPACTORS

- ACE<sup>pro</sup>/ACE<sup>force</sup>
- ACE GPS monitoring
- PD drum (or PD shell kit)
- ATC/HX versions
- ROPS/FOPS
- Cabin
- Air conditioning
- Radio with CD
- Ammann toolkit
- Dozer blade
- Road lighting
- Warning beacon
- Backup alarm
- Telematics-ready



ACE<sup>pro</sup> / ACE<sup>force</sup>



GPS monitoring



Dozer blade



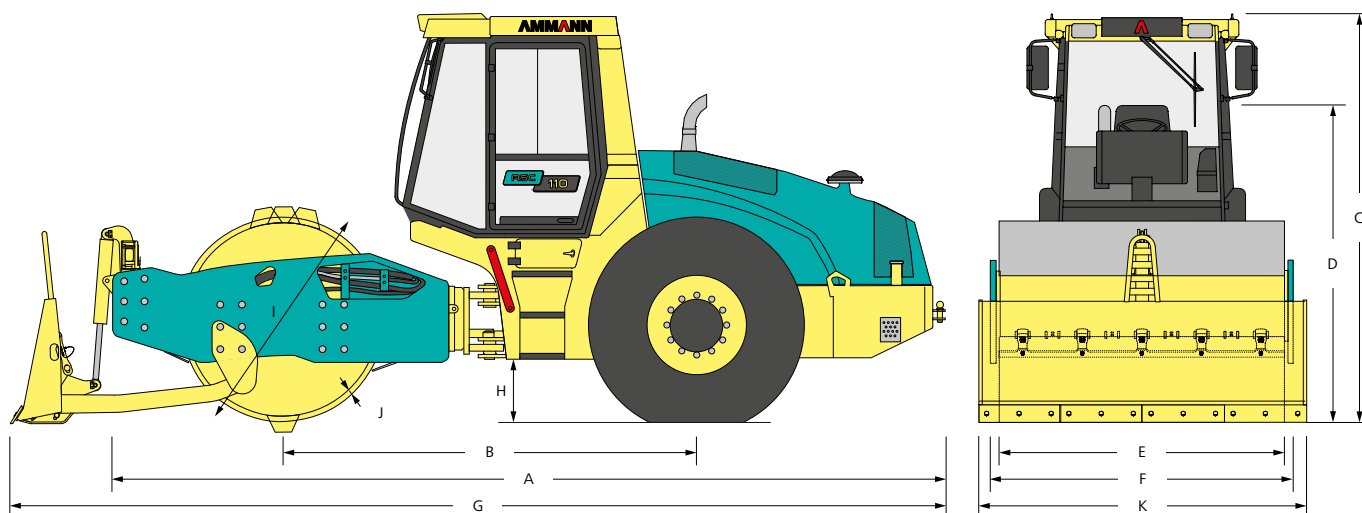
Road lighting



Cabin

# DIMENSIONS

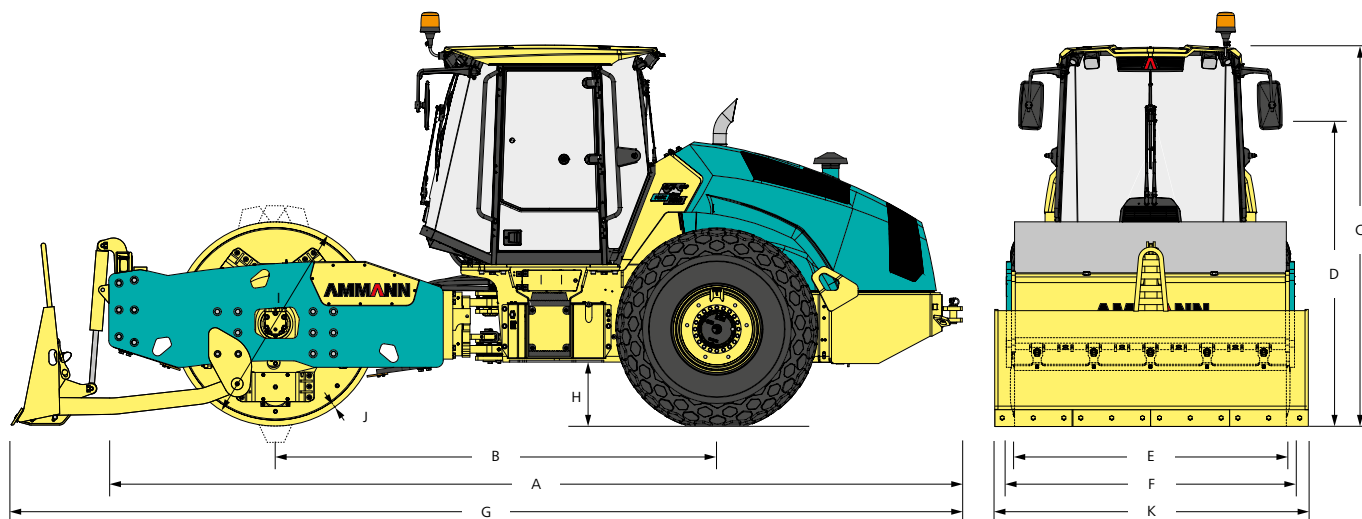
## ASC & ARS SINGLE DRUM ROLLERS



	ASC 30 T4i	ASC 50 T4i	ASC 70 T3	ASC 70 T4f	ASC 100 T1
A MACHINE LENGTH	3190 mm (125.6 in)	3920 mm (154.4 in)	5195 mm (204.6 in)	5270 mm (207.5 in)	5630 mm (221.7 in)
B WHEELBASE	1770 mm (69.7 in)	2150 mm (85 in)	2560 mm (100.8 in)	2690 mm (106 in)	2820 mm (111.1 in)
C MACHINE HEIGHT	2470 mm (97.3 in)	2440 mm (96.1 in)	2870 mm (113 in)	2870 mm (113 in)	3027 mm (119.2 in)
D MACHINE HEIGHT (REMOVED CAB / ROPS)	–	–	2280 mm (89.8 in)	2280 mm (89.8 in)	2375 mm (93.6 in)
E DRUM WIDTH	1200 mm (47.3 in)	1400 mm (55.2 in)	1680 mm (66.2 in)	1680 mm (66.2 in)	2130 mm (83.9 in)
F MACHINE WIDTH	1330 mm (52.4 in)	1540 mm (60.7 in)	1720 mm (67.8 in)	1875 mm (73.9 in)	2250 mm (88.6 in)
G MACHINE LENGTH (BLADE) (D/ PD VERSION)	3920 mm (154.4 in)	–	– / 5555 mm (218.8 in)	– / 5630 mm (221.7 in)	–
H GROUND CLEARANCE	305 mm (12.1 in)	305 mm (12.1 in)	385 mm (15.2 in)	385 mm (15.2 in)	450 mm (17.8 in)
I DRUM DIAMETER (D/ PD VERSIO)	– / 890 mm (35.1 in)	1080 mm (42.5 in) 1104 mm (43.5 in)	1300 mm (51.2 in) / 1400 mm (55.1 in)	1300 mm (51.2 in) / 1400 mm (55.1 in)	1500 mm (59.1 in) / 1640 mm (64.6 in)
J DRUM SHELL THICKNESS (D/ PD VERSIO)	–	–	25 mm (1 in) / 15 mm (0.6 in)	25 mm (1 in) / 15 mm (0.6 in)	25 mm (1 in) / 20 mm (0.8 in)
K MACHINE WIDTH (BLADE) (D/ PD VERSIO)	1450 mm (57.1 in)	–	– / 2215 mm (87.3 in)	– / 2215 mm (87.3 in)	–

	ASC 110 T3	ASC 110 T4f	ASC 120 T1	ASC 130 T3	ASC 130 T4f
A MACHINE LENGTH	5780 mm (227.6 in)	6050 mm (238.2 in)	5630 mm (221.7 in)	5780 mm (227.6 in)	6050 mm (238.2 in)
B WHEELBASE	2878 mm (113.4 in)	2990 mm (117.7 in)	2820 mm (111.1 in)	2878 mm (113.4 in)	2990 mm (117.8 in)
C MACHINE HEIGHT	3070 mm (120.9 in)	3070 mm (120.9 in)	3027 mm (119.2 in)	3070 mm (120.9 in)	3070 mm (120.9 in)
D MACHINE HEIGHT (REMOVED CAB / ROPS)	2400 mm (94.5 in)	2320 mm (91.3 in)	2375 mm (93.6 in)	2400 mm (94.5 in)	2320 mm (91.4 in)
E DRUM WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)
F MACHINE WIDTH	2258 mm (88.9 in)	2260 mm (89 in)	2250 mm (88.6 in)	2258 mm (88.9 in)	2260 mm (89 in)
G MACHINE LENGTH (BLADE) (D/ PD VERSIO)	– / 6557 mm (258.2 in)	– / 6800 mm (267.8 in)	–	– / 6557 mm (258.2 in)	– / 6800 mm (267.8 in)
H GROUND CLEARANCE	440 mm (17.4 in)	440 mm (17.3 in)	450 mm (17.8 in)	430 mm (17 in)	440 mm (17.4 in)
I DRUM DIAMETER (D/ PD VERSIO)	1500 mm (59.1 in) / 1640 mm (64.6 in)	1500 mm (59.1 in) / 1640 mm (64.6 in)	1500 mm (59.1 in) / 1640 mm (64.6 in)	1500 mm (59.1 in) / 1640 mm (64.6 in)	1500 mm (59.1 in) / 1640 mm (64.6 in)
J DRUM SHELL THICKNESS (D/ PD VERSIO)	25 mm (1 in) / 20 mm (0.8 in)	25 mm (1 in) / 20 mm (0.8 in)	25 mm (1 in) / 20 mm (0.8 in)	35 mm (1.4 in) / 25 mm (1 in)	25 mm (1 in) / 20 mm (0.8 in)
K MACHINE WIDTH (BLADE) (D/ PD VERSIO)	– / 2441 mm (96.2 in)	– / 2441 mm (96.2 in)	–	– / 2441 mm (96.2 in)	– / 2441 mm (96.2 in)





	ASC 150 T3	ASC 150 T4f	ASC 170 T3	ASC 170 T4f
A MACHINE LENGTH	5900 mm (232.3 in)	6140 mm (241.3 in)	5900 mm (232.3 in)	6140 mm (241.3 in)
B WHEELBASE	2930 mm (115.4 in)	3050 mm (120.1 in)	2930 mm (115.4 in)	3050 mm (120.1 in)
C MACHINE HEIGHT	3075 mm (121.1 in)	3070 mm (120.9 in)	3075 mm (121.1 in)	3070 mm (120.9 in)
D MACHINE HEIGHT (REMOVED CAB / ROPS)	2420 mm (95.3 in)	2320 mm (91.3 in)	2420 mm (95.3 in)	2320 mm (91.3 in)
E DRUM WIDTH	2130 mm (83.8 in)	2130 mm (83.8 in)	2130 mm (83.9 in)	2130 mm (83.8 in)
F MACHINE WIDTH	2258 mm (88.9 in)	2260 mm (88.9 in)	2258 mm (88.9 in)	2260 mm (88.9 in)
G MACHINE LENGTH (BLADE) (D/ PD VERSIO)	- / 6650 mm (261.8 in)	- / 6850 mm (269.7 in)	- / - mm (- in)	- / 6850 mm (269.7 in)
H GROUND CLEARANCE	440 mm (17.3 in)	440 mm (17.3 in)	440 mm (17.4 in)	440 mm (17.3 in)
I DRUM DIAMETER (D/ PD VERSIO)	1500 mm (59.1 in) / 1640 mm (64.6 in)	1500 mm (59.1 in) / 1640 mm (64.6 in)	1500 mm (59.1 in) / 1640 mm (64.6 in)	1500 mm (59.1 in) / 1640 mm (64.6 in)
J DRUM SHELL THICKNESS (D/ PD VERSIO)	40 mm (1.6 in) / 28 mm (1.1 in)	40 mm (1.6 in) / 28 mm (1.1 in)	40 mm (1.6 in) / 28 mm (1.1 in)	40 mm (1.6 in) / 28 mm (1.1 in)
K MACHINE WIDTH (BLADE) (D/ PD VERSIO)	- / 2441 mm (96.1 in)	- / 2441 mm (96.1 in)	- / - mm (- in)	- / 2441 mm (96.1 in)

	ARS 200 T3	ARS 200 T4f	ARS 220 T3	ARS 220 T4f
A MACHINE LENGTH	6688 mm (260.8 in)	6688 mm (260.8 in)	6730 mm (265 in)	6730 mm (265 in)
B WHEELBASE	3460 mm (135 in)	3460 mm (135 in)	3510 mm (138.2 in)	3510 mm (138.2 in)
C MACHINE HEIGHT	2985 mm (116.4 in)	2985 mm (116.4 in)	2950 mm (116.1 in)	2950 mm (116.1 in)
D MACHINE HEIGHT (REMOVED CAB / ROPS)	2565 mm (100 in)	2565 mm (100 in)	2250 mm (88.6 in)	2250 mm (88.6 in)
E DRUM WIDTH	2130 mm (83 in)	2130 mm (83 in)	2130 mm (83 in)	2130 mm (83 in)
F MACHINE WIDTH	2258 mm (88 in)	2258 mm (88 in)	2300 mm (90.6 in)	2300 mm (90.6 in)
G MACHINE LENGTH (BLADE) (D/ PD VERSIO)	- / 7496 mm (292.3 in)	- / 7496 mm (292.3 in)	- / 7575 mm (298.2 in)	- / 7575 mm (298.2 in)
H GROUND CLEARANCE	500 mm (19.5 in)	500 mm (19.5 in)	500 mm (19.5 in)	500 mm (19.5 in)
I DRUM DIAMETER (D/ PD VERSIO)	1600 mm (62.4 in) / 1795 mm (62.4 in)	1600 mm (62.4 in) / 1795 mm (62.4 in)	1600 mm (62.4 in) / 1795 mm (62.4 in)	1600 mm (62.4 in) / 1795 mm (62.4 in)
J DRUM SHELL THICKNESS (D/ PD VERSIO)	45 mm (1.8 in) / 30 mm (1.8 in)	45 mm (1.8 in) / 30 mm (1.8 in)	45 mm (1.8 in) / 30 mm (1.8 in)	45 mm (1.8 in) / 30 mm (1.8 in)
K MACHINE WIDTH (BLADE) (D/ PD VERSIO)	- / 2441 mm (95.2 in)	- / 2441 mm (95.2 in)	- / 2450 mm (96.5 in)	- / 2450 mm (96.5 in)

# SPECIFICATIONS

## ASC SINGLE DRUM ROLLERS SMOOTH DRUM



	ASC 30	ASC 50	ASC 70	ASC 70	ASC 100
	Smooth drum shell kit	T4i	T3	T4f	T1

### MISCELLANEOUS

BRAKES OPERATING	–	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
BRAKES PARKING	–	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
BRAKES EMERGENCY	–	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
FUEL TANK CAPACITY	–	78 l (20.6 gal)	275 l (72.65 gal)	255 l (67.36 gal)	410 l (108.3 gal)
VOLTAGE	–	12 V	24 V	24 V	24 V

### COMPACTION FORCES

FREQUENCY I	–	34 Hz (2040 VPM)	30 Hz (1800 VPM)	30 Hz (1800 VPM)	32 Hz (1920 VPM)
FREQUENCY II	–	37 Hz (2220 VPM)	41 Hz (2460 VPM)	41 Hz (2460 VPM)	35 Hz (2100 VPM)
FREQUENCY ACE MIN./MAX.	–	–	–	–	–
AMPLITUDE I	–	1.8 mm (0.07 in)	1.7 mm (0.067 in)	1.7 mm (0.067 in)	1.85 mm (0.073 in)
AMPLITUDE II	–	0.8 mm (0.03 in)	0.86 mm (0.034 in)	0.86 mm (0.034 in)	0.9 mm (0.035 in)
AMPLITUDE ACE MIN./MAX.	–	–	–	–	–
CENTRIFUGAL FORCE I	–	40 kN	145 kN	145 kN	275 kN
CENTRIFUGAL FORCE II	–	100 kN	130 kN	130 kN	160 kN
CENTRIF. FORCE ACE MIN./MAX.	–	–	–	–	–

### ENGINE

MANUFACTURER	–	Kubota V3600	Cummins QSB 3.3-C99	Deutz TCD3.6 L4	Cummins 4BTA 3.9-C116
POWER ACCORDING TO ISO 3046-1	–	35.9 kW (48 HP)	74 kW (99 HP)	55.4 kW (75 HP)	86 kW (115 HP)
MAXIMUM TORQUE	–	221/1600 Nm/rpm	412/1600 Nm/rpm	390/1300 Nm/rpm	423/1500 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	–	EU Stage IIIA, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4f	EU Stage I, U.S. EPA Tier 1
ROAD CONSTRUCTION TECHNOLOGY	–	–	ACE <sup>force</sup>	ACE <sup>force</sup>	–

### WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT	–	4500 kg (9920 lb)	7140 kg (15740 lb)	7240 kg (15960 lb)	10 120 kg (22310 lb)
MAXIMUM WEIGHT	–	5000 kg (11 020 lb)	9260 kg (20410 lb)	9360 kg (20640 lb)	11 990 kg (26430 lb)
STATIC LINEAR LOAD	–	17.3 kg/cm (100 lb/in)	23.9 kg/cm (133.8 lb/in)	23.7 kg/cm (132.7 lb/in)	24.9 kg/cm (139.4 lb/in)
MAX. TRANSPORT SPEED	–	7.5 km/h (4.7 MPH)	11 km/h (6.8 MPH)	11.4 km/h (7.1 MPH)	10.3 km/h (6.4 MPH)
MAX. WORKING SPEED	–	–	4.7 km/h (2.9 MPH)	5.1 km/h (3.2 MPH)	7.1 km/h (4.4 MPH)
CLIMBING ABILITY	–	40 %	45 %	45 %	40 %
TURNING RADIUS INNER (EDGE)	–	3600 mm (141.7 in)	3090 mm (121.7 in)	3200 mm (126 in)	3210 mm (126.4 in)



## ASC SINGLE DRUM ROLLERS PADFOOT DRUM



ASC 30	ASC 50	ASC 70	ASC 70	ASC 100
T4i	T4i	T3	T4f	T1

### MISCELLANEOUS

BRAKES OPERATING	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
FUEL TANK CAPACITY	78 l (20.6 gal)	78 l (20.6 gal)	275 l (72.65 gal)	255 l (67.36 gal)	410 l (108.3 gal)
VOLTAGE	12 V	12 V	24 V	24 V	24 V

### COMPACTION FORCES

FREQUENCY I	–	–	30 Hz (1800 VPM)	30 Hz (1800 VPM)	32 Hz (1920 VPM)
FREQUENCY II	36 Hz (2160 VPM)	34 Hz (2040 VPM)	41 Hz (2460 VPM)	41 Hz (2460 VPM)	35 Hz (2100 VPM)
FREQUENCY ACE MIN./MAX.	–	–	–	–	–
AMPLITUDE I	1.8 mm (0.07 in)	1.8 mm (0.07 in)	1.7 mm (0.067 in)	1.7 mm (0.067 in)	1.6 mm (0.063 in)
AMPLITUDE II	–	–	0.86 mm (0.034 in)	0.86 mm (0.034 in)	0.97 mm (0.038 in)
AMPLITUDE ACE MIN./MAX.	–	–	–	–	–
CENTRIFUGAL FORCE I	85 kN	100 kN	145 kN	145 kN	275 kN
CENTRIFUGAL FORCE II	–	–	130 kN	130 kN	160 kN
CENTRIF. FORCE ACE MIN./MAX.	–	–	–	–	–

### ENGINE

MANUFACTURER	Kubota V2203 M	Kubota V3600	Cummins QSB 3.3-C99	Deutz TCD3.6 L4	Cummins 4BTA 3.9-C116
POWER ACCORDING TO ISO 3046-1	35.9 kW (48 HP)	49.8 kW (67 HP)	74 kW (99 HP)	55.4 kW (75 HP)	86 kW (115 HP)
MAXIMUM TORQUE	143.2/1600 Nm/rpm	221/1600 Nm/rpm	412/1600 Nm/rpm	390/1300 Nm/rpm	423/1500 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4f	EU Stage I, U.S. EPA Tier 1
ROAD CONSTRUCTION TECHNOLOGY	–	–	ACE <sup>force</sup>	ACE <sup>force</sup>	–

### WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT	4100 kg (9040 lb)	4500 kg (9920 lb)	7090 kg (15 630 lb)	7090 kg (15 630 lb)	10 860 kg (23 940 lb)
MAXIMUM WEIGHT	4470 kg (9850 lb)	5000 kg (11 020 lb)	8120 kg (17 900 lb)	8120 kg (17 900 lb)	11 030 kg (24 320 lb)
STATIC LINEAR LOAD	–	–	–	–	–
MAX. TRANSPORT SPEED	4.2 km/h (2.6 MPH)	7.5 km/h (4.7 MPH)	11.1 km/h (6.9 MPH)	11.1 km/h (6.9 MPH)	10.3 km/h (6.4 MPH)
MAX. WORKING SPEED	–	–	4.8 km/h (3 MPH)	4.8 km/h (3 MPH)	7.1 km/h (4.4 MPH)
CLIMBING ABILITY	40 %	40 %	45 %	45 %	40 %
TURNING RADIUS INNER (EDGE)	2700 mm (106.3 in)	3600 mm (141.7 in)	3090 mm (121.7 in)	3200 mm (126 in)	3210 mm (126.4 in)

# SPECIFICATIONS

## ASC SINGLE DRUM ROLLERS SMOOTH DRUM



ASC 110	ASC 110	ASC 120	ASC 130	ASC 130
T3	T4f	T1	T3	T4f

### MISCELLANEOUS

BRAKES OPERATING	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
FUEL TANK CAPACITY	410 l (108.3 gal)	350 l (92.5 gal)	410 l (108.3 gal)	410 l (108.3 gal)	350 l (92.5 gal)
VOLTAGE	24 V	24 V	24 V	24 V	24 V

### COMPACTION FORCES

FREQUENCY I	32 Hz (1920 VPM)	32 Hz (1920 VPM)	32 Hz (1920 VPM)	30 Hz (1800 VPM)	30 Hz (1800 VPM)
FREQUENCY II	35 Hz (2100 VPM)	35 Hz (2100 VPM)	35 Hz (2100 VPM)	36 Hz (2160 VPM)	36 Hz (2160 VPM)
FREQUENCY ACE MIN./MAX.	23 Hz (1380 VPM) / 35 Hz (2100 VPM)	23 Hz (1380 VPM) / 35 Hz (2100 VPM)	–	–	23 Hz (1380 VPM) / 35 Hz (2100 VPM)
AMPLITUDE I	1.85 mm (0.073 in)	1.85 mm (0.073 in)	1.65 mm (0.065 in)	1.9 mm (0.075 in)	1.9 mm (0.075 in)
AMPLITUDE II	0.9 mm (0.035 in)	0.9 mm (0.035 in)	0.95 mm (0.037 in)	1.05 mm (0.041 in)	1.05 mm (0.041 in)
AMPLITUDE ACE MIN./MAX.	0 mm (0 in) / 2.5 mm (0.098 in)	0 mm (0 in) / 2.5 mm (0.098 in)	–	–	0 mm (0 in) / 2.5 mm (0.098 in)
CENTRIFUGAL FORCE I	275 kN	275 kN	277 kN	300 kN	300 kN
CENTRIFUGAL FORCE II	160 kN	160 kN	206 kN	230 kN	230 kN
CENTRIF. FORCE ACE MIN./MAX.	0 / 280 kN	0 / 280 kN	–	–	0 / 280 kN

### ENGINE

MANUFACTURER	Cummins QSB 4.5-C160	Deutz TCD4.1 L4	Cummins 4BTA 3.9-C116	Cummins QSB 4.5-C160	Deutz TCD4.1 L4
POWER ACCORDING TO ISO 3046-1	119 kW (160 HP)	115 kW (154 HP)	86 kW (115 HP)	119 kW (160 HP)	115 kW (154 HP)
MAXIMUM TORQUE	624/1500 Nm/rpm	609/1600 Nm/rpm	423/1500 Nm/rpm	624/1500 Nm/rpm	609/1600 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f	EU Stage I, U.S. EPA Tier 1	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f
ROAD CONSTRUCTION TECHNOLOGY	ACE <sup>pro</sup> / ACE <sup>force</sup>	ACE <sup>pro</sup> / ACE <sup>force</sup>	–	ACE <sup>force</sup>	ACE <sup>force</sup>

### WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT	11 490 kg (25 330 lb)	11 740 kg (25 880 lb)	11 500 kg (25 350 lb)	12 510 kg (27 580 lb)	12 790 kg (28 200 lb)
MAXIMUM WEIGHT	15 370 kg (33 890 lb)	15 600 kg (34 390 lb)	13 370 kg (29 480 lb)	16 390 kg (36 130 lb)	16 660 kg (36 730 lb)
STATIC LINEAR LOAD	34.5 kg/cm (193.2 lb/in)	33.4 kg/cm (187 lb/in)	29.8 kg/cm (166.9 lb/in)	39.1 kg/cm (219 lb/in)	38.7 kg/cm (216.7 lb/in)
MAX. TRANSPORT SPEED	12.8 km/h (8 MPH)	13.7 km/h (8.5 MPH)	10.3 km/h (6.4 MPH)	13 km/h (8.08 MPH)	13.7 km/h (8.5 MPH)
MAX. WORKING SPEED	5.6 km/h (3.5 MPH)	4.8 km/h (3 MPH)	7.1 km/h (4.4 MPH)	5.6 km/h (3.48 MPH)	4.8 km/h (3.5 MPH)
CLIMBING ABILITY WITH/ WITHOUT VIBRATION	45 %	54 %	40 %	45 %	54 %
TURNING RADIUS INNER (EDGE)	3050 mm (120.1 in)	3630 mm (142.9 in)	3210 mm (126.4 in)	3050 mm (120.1 in)	3630 mm (142.9 in)



## ASC SINGLE DRUM ROLLERS PADFOOT DRUM



ASC 110	ASC 110	ASC 120	ASC 130	ASC 130
T3	T4f	T1	T3	T4f

### MISCELLANEOUS

BRAKES OPERATING	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
FUEL TANK CAPACITY	410 l (108.3 gal)	350 l (92.5 gal)	410 l (108.3 gal)	410 l (108.3 gal)	350 l (92.5 gal)
VOLTAGE	24 V	24 V	24 V	24 V	24 V

### COMPACTION FORCES

FREQUENCY I	31 Hz (1860 VPM)	31 Hz (1860 VPM)	32 Hz (1920 VPM)	30 Hz (1800 VPM)	30 Hz (1800 VPM)
FREQUENCY II	35 Hz (2100 VPM)	35 Hz (2100 VPM)	35 Hz (2100 VPM)	36 Hz (2160 VPM)	36 Hz (2160 VPM)
FREQUENCY ACE MIN./MAX.	23 Hz (1380 VPM) / 35 Hz (2100 VPM)	23 Hz (1380 VPM) / 35 Hz (2100 VPM)	–	–	23 Hz (1380 VPM) / 35 Hz (2100 VPM)
AMPLITUDE I	2 mm (0.079 in)	2 mm (0.079 in)	1.55 mm (0.061 in)	1.85 mm (0.073 in)	1.85 mm (0.073 in)
AMPLITUDE II	1.1 mm (0.043 in)	1.1 mm (0.043 in)	0.9 mm (0.035 in)	1 mm (0.039 in)	1 mm (0.039 in)
AMPLITUDE ACE MIN./MAX.	0 mm (0 in) / 2.5 mm (0.098 in)	0 mm (0 in) / 2.5 mm (0.098 in)	–	–	0 mm (0 in) / 2.5 mm (0.098 in)
CENTRIFUGAL FORCE I	277 kN	315 kN	277 kN	300 kN	300 kN
CENTRIFUGAL FORCE II	220 kN	220 kN	206 kN	230 kN	230 kN
CENTRIF. FORCE ACE MIN./MAX.	0 kN / 280 kN	0 / 280 kN	–	–	0 / 280 kN

### ENGINE

MANUFACTURER	Cummins QSB 4.5-C160	Deutz TCD4.1 L4	Cummins 4BTA 3.9-C116	Cummins QSB 4.5-C160	Deutz TCD4.1 L4
POWER ACCORDING TO ISO 3046-1	119 kW (160 HP)	115 kW (154 HP)	86 kW (115 HP)	119 kW (160 HP)	115 kW (154 HP)
MAXIMUM TORQUE	624/1500 Nm/rpm	609/1600 Nm/rpm	423/1500 Nm/rpm	624/1500 Nm/rpm	609/1600 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f	EU Stage I, U.S. EPA Tier 1	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f
ROAD CONSTRUCTION TECHNOLOGY	ACE <sup>pro</sup> / ACE <sup>force</sup>	ACE <sup>pro</sup> / ACE <sup>force</sup>	–	ACE <sup>force</sup>	ACE <sup>force</sup>

### WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT	12 100 kg (26 680 lb)	12 350 kg (27 230 lb)	12 060 kg (26 590 lb)	12 740 kg (28 090 lb)	13 010 kg (28 680 lb)
MAXIMUM WEIGHT	14 280 kg (31 480 lb)	14 510 kg (31 990 lb)	12 230 kg (26 960 lb)	14 920 kg (32 890 lb)	15 180 kg (33 470 lb)
STATIC LINEAR LOAD	–	–	–	–	–
MAX. TRANSPORT SPEED	12.8 km/h (8 MPH)	13.7 km/h (8.5 MPH)	10.3 km/h (6.4 MPH)	12.8 km/h (7.95 MPH)	13.7 km/h (8.5 MPH)
MAX. WORKING SPEED	5.6 km/h (3.5 MPH)	4.8 km/h (3 MPH)	7.1 km/h (4.4 MPH)	5.6 km/h (3.48 MPH)	4.8 km/h (3.5 MPH)
CLIMBING ABILITY WITH/ WITHOUT VIBRATION	45 %	54 %	40 %	45 %	54 %
TURNING RADIUS INNER (EDGE)	3050 mm (120.1 in)	3630 mm (142.9 in)	3210 mm (126.4 in)	3050 mm (120.1 in)	3630 mm (142.9 in)

# SPECIFICATIONS

## ASC SINGLE DRUM ROLLERS SMOOTH DRUM



ASC 150	ASC 150	ASC 170	ASC 170
T3	T4f	T3	T4f

### MISCELLANEOUS

BRAKES OPERATING	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
FUEL TANK CAPACITY	410 l (108.3 gal)	350 l (92.5 gal)	410 l (108.3 gal)	350 l (92.5 gal)
VOLTAGE	24 V	24 V	24 V	24 V

### COMPACTION FORCES

FREQUENCY I	29 Hz (1740 VPM)	29 Hz (1740 VPM)	28 Hz (1680 VPM)	28 Hz (1680 VPM)
FREQUENCY II	35 Hz (2100 VPM)	35 Hz (2100 VPM)	35 Hz (2100 VPM)	35 Hz (2100 VPM)
FREQUENCY ACE MIN./MAX.	23 Hz (13800 VPM) / 35 Hz (2100 VPM)	–	–	–
AMPLITUDE I	2 mm (0.079 in)	2 mm (0.079 in)	2.2 mm (0.087 in)	2.15 mm (0.085 in)
AMPLITUDE II	1 mm (0.039 in)	1 mm (0.039 in)	1.2 mm (0.047 in)	1.15 mm (0.045 in)
AMPLITUDE ACE MIN./MAX.	– / 2.5 mm (0.098 in)	–	–	–
CENTRIFUGAL FORCE I	325 kN	325 kN	335 kN	335 kN
CENTRIFUGAL FORCE II	237 kN	237 kN	260 kN	260 kN
CENTRIF. FORCE ACE MIN./MAX.	– / 388/26 Hz	–	–	–

### ENGINE

MANUFACTURER	Cummins QSB 4.5-C160	Deutz TCD4.1 L4	Cummins QSB 4.5-C160	Deutz TCD4.1 L4
POWER ACCORDING TO ISO 3046-1	119 kW (160 HP)	115 kW (154 HP)	119 kW (160 HP)	115 kW (154 HP)
MAXIMUM TORQUE	624/1500 Nm/rpm	609/1600 Nm/rpm	624/1500 Nm/rpm	609/1600 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f
ROAD CONSTRUCTION TECHNOLOGY	ACE <sup>pro</sup> / ACE <sup>force</sup>	ACE <sup>pro</sup> / ACE <sup>force</sup>	ACE <sup>force</sup>	ACE <sup>force</sup>

### WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT	14 580 kg (32 140 lb)	14 970 kg (33 000 lb)	16 270 kg (35 870 lb)	16 170 kg (35 650 lb)
MAXIMUM WEIGHT	18 460 kg (40 700 lb)	18 500 kg (40 790 lb)	18 140 kg (39 990 lb)	17 850 kg (39 350 lb)
STATIC LINEAR LOAD	48.7 kg/cm (272.7 lb/in)	48.8 kg/cm (273.3 lb/in)	51.9 kg/cm (290.6 lb/in)	51 kg/cm (285.6 lb/in)
MAX. TRANSPORT SPEED	10 km/h (6.21 MPH)	12.5 km/h (7.77 MPH)	10 km/h (6.21 MPH)	12.5 km/h (7.77 MPH)
MAX. WORKING SPEED	4.5 km/h (2.8 MPH)	4.5 km/h (2.8 MPH)	4.5 km/h (2.8 MPH)	4.5 km/h (2.8 MPH)
CLIMBING ABILITY	45 %	50 / 62 %	30 %	50 / 62 %
TURNING RADIUS INNER (EDGE)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)



## ASC SINGLE DRUM ROLLERS PADFOOT DRUM



ASC 150

T3



ASC 150

T4f



ASC 170

T3



ASC 170

T4f

### MISCELLANEOUS

BRAKES OPERATING	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
FUEL TANK CAPACITY	410 l (108.3 gal)	350 l (92.5 gal)	410 l (108.3 gal)	350 l (92.5 gal)
VOLTAGE	24 V	24 V	24 V	24 V

### COMPACTION FORCES

FREQUENCY I	29 Hz (1740 VPM)	29 Hz (1740 VPM)	28 Hz (1680 VPM)	28 Hz (1680 VPM)
FREQUENCY II	35 Hz (2100 VPM)	35 Hz (2100 VPM)	35 Hz (2100 VPM)	35 Hz (2100 VPM)
FREQUENCY ACE MIN./MAX.	23 Hz (13800 VPM) / 35 Hz (2100 VPM)	–	–	–
AMPLITUDE I	2 mm (0.079 in)	2 mm (0.079 in)	2.2 mm (0.087 in)	2.2 mm (0.87 in)
AMPLITUDE II	1 mm (0.039 in)	1 mm (0.039 in)	1.1 mm (0.043 in)	1.1 mm (0.043 in)
AMPLITUDE ACE MIN./MAX.	– / 2.5 mm (0.098 in)	–	–	–
CENTRIFUGAL FORCE I	325 kN	325 kN	335 kN	335 kN
CENTRIFUGAL FORCE II	236 kN	236 kN	260 kN	260 kN
CENTRIF. FORCE ACE MIN./MAX.	– / 388/26 Hz	–	–	–

### ENGINE

MANUFACTURER	Cummins QSB 4.5-C160	Deutz TCD4.1 L4	Cummins QSB 4.5-C160	Deutz TCD4.1 L4
POWER ACCORDING TO ISO 3046-1	119 kW (160 HP)	115 kW (154 HP)	119 kW (160 HP)	115 kW (154 HP)
MAXIMUM TORQUE	624/1500 Nm/rpm	609/1600 Nm/rpm	624/1500 Nm/rpm	609/1600 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f
ROAD CONSTRUCTION TECHNOLOGY	ACE <sup>pro</sup> / ACE <sup>force</sup>	ACE <sup>pro</sup> / ACE <sup>force</sup>	ACE <sup>force</sup>	ACE <sup>force</sup>

### WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT	14 490 kg (31 940 lb)	14 830 kg (32 830 lb)	16 170 kg (35 650 lb)	16 070 kg (35 430 lb)
MAXIMUM WEIGHT	16 670 kg (36 750 lb)	18 500 kg (40 790 lb)	17 190 kg (37 900 lb)	17 030 kg (37 540 lb)
STATIC LINEAR LOAD	–	–	–	–
MAX. TRANSPORT SPEED	10.1 km/h (6.28 MPH)	12.5 km/h (7.77 MPH)	10.1 km/h (6.28 MPH)	12.5 km/h (7.77 MPH)
MAX. WORKING SPEED	4.6 km/h (2.86 MPH)	4.5 km/h (2.8 MPH)	4.6 km/h (2.86 MPH)	4.5 km/h (2.8 MPH)
CLIMBING ABILITY	45 %	50 / 62 %	30 %	50 / 62 %
TURNING RADIUS INNER (EDGE)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)

# SPECIFICATIONS

## ARS SINGLE DRUM ROLLERS SMOOTH DRUM



ARS 200	ARS 200	ARS 220	ASC 220
T3	T4f	T3	T4f

### MISCELLANEOUS

BRAKES OPERATING	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
FUEL TANK CAPACITY	350 l (92,46 gal)	350 l (92,46 gal)	350 l (92,46 gal)	350 l (92,46 gal)
VOLTAGE	24 V	24 V	24 V	24 V

### COMPACTION FORCES

FREQUENCY I	27 Hz (1620 VPM)	27 Hz (1620 VPM)	27 Hz (1620 VPM)	27 Hz (1620 VPM)
FREQUENCY II	34 Hz (2040 VPM)	34 Hz (2040 VPM)	34 Hz (2040 VPM)	34 Hz (2040 VPM)
FREQUENCY ACE MIN./MAX.	–	–	–	–
AMPLITUDE I	2 mm (0,079 in)	2 mm (0,079 in)	2 mm (0,079 in)	2 mm (0,079 in)
AMPLITUDE II	1 mm (0,039 in)	1 mm (0,039 in)	1 mm (0,039 in)	1 mm (0,039 in)
AMPLITUDE ACE MIN./MAX.	–	–	–	–
CENTRIFUGAL FORCE I	375 kN	375 kN	375 kN	375 kN
CENTRIFUGAL FORCE II	300 kN	300 kN	300 kN	300 kN
CENTRIF. FORCE ACE MIN./MAX.	–	–	–	–

### ENGINE

MANUFACTURER	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6
POWER ACCORDING TO ISO 3046-1	160 kW (215 HP)/2300 rpm	160 kW (215 HP)/2200 rpm	160 kW (215 HP)/2300 rpm	160 kW (215 HP)/2200 rpm
MAXIMUM TORQUE	694/1600 Nm/rpm	694/1600 Nm/rpm	694/1600 Nm/rpm	694/1600 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f
ROAD CONSTRUCTION TECHNOLOGY	ACE <sup>force</sup>	ACE <sup>force</sup>	ACE <sup>force</sup>	ACE <sup>force</sup>

### WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT	19750 kg (43541,3 lb)	19750 kg (43541,3 lb)	21630 kg (47690 lb)	21930 kg (48350 lb)
MAXIMUM WEIGHT	26000 kg (57320,2 lb)	26000 kg (57320,2 lb)	26000 kg (57320,2 lb)	26000 kg (57320,2 lb)
STATIC LINEAR LOAD	58,6 kg/cm (327,9 lb/in)	58,6 kg/cm (327,9 lb/in)	66,9 kg/cm (374,6 lb/in)	66,9 kg/cm (374,6 lb/in)
MAX. TRANSPORT SPEED	12 km/h (7,46 mph)	12 km/h (7,46 mph)	12 km/h (7,46 mph)	12 km/h (7,46 mph)
MAX. WORKING SPEED	7 km/h (4,35 mph)	7 km/h (4,35 mph)	7 km/h (4,35 mph)	7 km/h (4,35 mph)
CLIMBING ABILITY	55(50)%	55(50)%	55(50)%	55(50)%
TURNING RADIUS INNER (EDGE)	4370 mm (172 in)	4370 mm (172 in)	4370 mm (172 in)	4370 mm (172 in)



## ARS SINGLE DRUM ROLLERS PADFOOT DRUM



ARS 200	ARS 200	ARS 220	ARS 220
T3	T4f	T3	T4f

### MISCELLANEOUS

BRAKES OPERATING	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
FUEL TANK CAPACITY	350 l (92,46 gal)	350 l (92,46 gal)	350 l (92,46 gal)	350 l (92,46 gal)
VOLTAGE	24 V	24 V	24 V	24 V

### COMPACTION FORCES

FREQUENCY I	27 Hz (1620 VPM)	27 Hz (1620 VPM)	27 Hz (1620 VPM)	27 Hz (1620 VPM)
FREQUENCY II	34 Hz (2040 VPM)	34 Hz (2040 VPM)	34 Hz (2040 VPM)	34 Hz (2040 VPM)
FREQUENCY ACE MIN./MAX.	–	–	–	–
AMPLITUDE I	2 mm (0,079 in)	2 mm (0,079 in)	2 mm (0,079 in)	2 mm (0,079 in)
AMPLITUDE II	1 mm (0,039 in)	1 mm (0,039 in)	1 mm (0,039 in)	1 mm (0,039 in)
AMPLITUDE ACE MIN./MAX.	–	–	–	–
CENTRIFUGAL FORCE I	375 kN	375 kN	375 kN	375 kN
CENTRIFUGAL FORCE II	300 kN	300 kN	300 kN	300 kN
CENTRIF. FORCE ACE MIN./MAX.	–	–	–	–

### ENGINE

MANUFACTURER	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6
POWER ACCORDING TO ISO 3046-1	160 kW (215 HP)/2300 rpm	160 kW (215 HP)/2200 rpm	160 kW (215 HP)/2300 rpm	160 kW (215 HP)/2200 rpm
MAXIMUM TORQUE	694/1600 Nm/rpm	694/1600 Nm/rpm	694/1600 Nm/rpm	694/1600 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f
ROAD CONSTRUCTION TECHNOLOGY	ACE <sup>force</sup>	ACE <sup>force</sup>	ACE <sup>force</sup>	ACE <sup>force</sup>

### WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT	19 875 kg (43817 lb)	19 875 kg (43817 lb)	21760 kg (47970 lb)	22060 kg (48630 lb)
MAXIMUM WEIGHT	26000 kg (57320,2 lb)	26000 kg (57320,2 lb)	26000 kg (57320,2 lb)	26000 kg (57320,2 lb)
STATIC LINEAR LOAD	–	–	–	–
MAX. TRANSPORT SPEED	12 km/h (7,46 mph)	12 km/h (7,46 mph)	12 km/h (7,46 mph)	12 km/h (7,46 mph)
MAX. WORKING SPEED	7 km/h (4,35 mph)	7 km/h (4,35 mph)	7 km/h (4,35 mph)	7 km/h (4,35 mph)
CLIMBING ABILITY	55(50)%	55(50)%	55(50)%	55(50)%
TURNING RADIUS INNER (EDGE)	4370 mm (172 in)	4370 mm (172 in)	4370 mm (172 in)	4370 mm (172 in)

# TRAINING

## ENHANCE YOUR PERFORMANCE

The Ammann International Training Centre in the Czech Republic is our training headquarters. If you are not able to visit the International Training Centre, Ammann will bring the training to your business or even a jobsite of your choosing.

### MACHINE TRAINING MODULES

Modules help you organise your team's training efforts. For example, you can have comprehensive lessons that put you on the path to expertise regarding a single machine. Or, if you prefer, your crew can instead broaden its general knowledge. And if you want to become an expert on the entire product line, the modules can accommodate that, too.



#### MAIN COURSES

These are the most frequently requested lessons and focus on one machine line.

#### SUB COURSES

These courses focus on a single machine and typically run for 2 days, allowing a second (or even third) such course to be taken during a week at the training centre.

#### PRODUCT COURSES

Important information regarding Ammann compaction machines is at the core of these classes. The training includes correct operation and basic maintenance.

#### ADMINISTRATIVE COURSES

Participants in this training learn effective utilisation of warranty claims, spare parts purchase orders, training, requests for technical support and service tips. Those who take these classes will learn to use all Ammann technical publications and administration tools.

#### COMMISSIONING COURSES

In this training, participants learn maintenance and proper methods for organising a commissioning of Ammann compactors and asphalt pavers.

#### INTELLIGENT COMPACTION COURSES

Participants learn about the ACE<sup>force</sup>, ACE<sup>pro</sup> and ACE<sup>plus</sup> systems used in Ammann machines. Those who take the class will learn to properly operate, maintain, diagnose and repair ACE systems. The offerings include ACE System for Soil Compactors, which is focused on ASC rollers, and ACE System for Asphalt Compactors, which discusses systems on ARP 95, ARX 90 and ARX 110.

# SERVICE

## A NETWORK TO SUPPORT YOU

**No matter where you are, Ammann-trained technicians and parts are nearby. Ammann dealers provide well-trained service technicians who can help you, whether it's an emergency or time for preventive maintenance. The vast Ammann network ensures there is a nearby technician who understands your language and your technical needs. Parts availability and ease of ordering are always Ammann priorities.**

### HOTLINE SUPPORT

Ammann experts are ready to answer your technical questions 24 hours a day, seven days a week. The hotline team is highly trained and experienced. Representatives can talk you through the challenges – in various languages – to help keep your machine productive.

### SERVICE APP

The service app for Ammann machines impresses machine operators who are already benefiting from the advantages of the free application. The easy-to-use app provides machine operators working on site quick and uncomplicated access to machine documentation.

### SERVICE VIDEOS

Sometimes a video tells the story best. That's why you'll find a variety of service videos that walk you through service and maintenance processes.

### QR CODE

Many maintenance kits feature QR codes that link to videos with helpful demonstrations that walk you or your technician through the process. The videos tell the story without dialogue so customers anywhere in the world can understand.





# SPARE PARTS

You can only earn money when your equipment is working. That's why Ammann does everything possible to ensure you have the parts where and when you need them. Those efforts include easy online ordering to avoid confusion and enable tracking, and efficient logistics and availability to help parts reach you quickly.

## WEARING KITS

Some machines handle abrasive materials in demanding applications. While wear is inevitable, downtime can be limited. Wearing kits make replacement of these parts efficient and cost-effective. All the necessary parts – big and small – are in a single box to keep you organised and efficient and to ensure the machines are quickly back up and running.

## EMERGENCY KITS

Emergency kits prevent little frustrations from becoming bigger issues that can shut down a machine and even a jobsite. These kits include parts such as switches, fuses and valve coils that are simple and fast to change yet still can cause significant problems if not operating properly. The kits easily fit in the trunk or bed of a vehicle so they're on hand when needed. A crew-member with a bit of technical knowledge can handle this work on the jobsite. These repairs take 2 hours or less.



## MAINTENANCE KITS


Preventive maintenance is crucial to efficient operation and service life of machines. The easier the maintenance, the more likely it is to be completed. Maintenance kits make the upkeep simple. Parts associated with a particular maintenance process are in a single box with a single part number.

## BROCHURE WITH ALL KITS

We have a prospect with all kits, and their part numbers are available for you. Just contact your parts consultant and have a digital or hardcopy sent to you.







**"Service kits ensure that every part is there when you need it, while emergency kits prevent a little challenge from becoming a big one."**

For additional product information  
and services please visit:  
**[www.ammann-group.com](http://www.ammann-group.com)**

