

ASC 150

SOIL COMPACTOR
Tier 3

A SMART WORKER WITH BIG OUTPUT

As the compaction grows tougher, Ammann offers this heavier compactor with greater static linear loads. The Ammann ASC 150 Tier 3 Soil Compactor provides industry-leading compaction outputs while optional ACE system technology makes it a smart worker, too.

OPTIONAL ACE SYSTEM TECHNOLOGY

- Provides measurement and documentation
- Precisely measures and evaluates material stiffness
- ACE^{pro} continuously adjusts frequency and amplitude depending on compaction measurements
- ACE^{pro} eliminates drum jumping and therefore minimizes the risk of over-compaction or material destruction
- ACE^{force} shows compaction progress via operator-guiding function
- Includes ADS documentation software with office analyzing feature
- Can utilise all major manufacturers GPS products to provide mapping and operator guidance

INDUSTRY-LEADING COMPACTION

- Utilises effective Ammann vibratory system
- Offers varied amplitude settings
- Drives energy into the material and away from the operator

OPERATOR FRIENDLY

- Clear dashboard layout enables easy and safe operation
- Operator platform is mounted on vibration-free rubber mounts for highest comfort

EASY ACCESS

- Easily accessible maintenance points
- Optionally centralized draining points for service fluids

APPLICATIONS

- Medium and large jobsites
- Transport construction (motorways, railways, airfields)
- Water resources construction (rockfill, dams) and building construction (industrial zones, harbours)

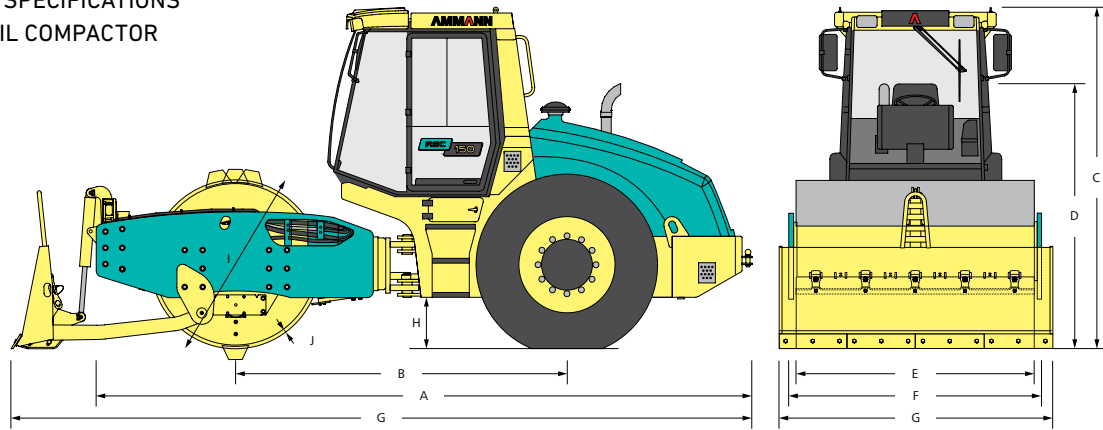
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 150 D	*1.2 m (47 in)	*0.8 m (31 in)	*0.7 m (28 in)	0.5 m (20 in)	0.3 m (12 in)
ASC 150 PD	-	-	*0.7 m (28 in)	*0.5 m (20 in)	*0.35 m (14 in)

*Recommended drum type

AMMANN

TECHNICAL SPECIFICATIONS
ASC 150 SOIL COMPACTOR
Tier 3



DIMENSIONS

	D	PD
A MACHINE LENGTH	5900 mm (232.3 in)	5900 mm (232.3 in)
B WHEELBASE	2930 mm (115.4 in)	2930 mm (115.4 in)
C MACHINE HEIGHT	3075 mm (121.1 in)	3075 mm (121.1 in)
D MACHINE HEIGHT (REMOVED CAB / ROPS)	2420 mm (95.3 in)	2420 mm (95.3 in)
E DRUM WIDTH	2130 mm (83.8 in)	2130 mm (83.8 in)
F MACHINE WIDTH	2258 mm (88.9 in)	2258 mm (88.9 in)
G MACHINE LENGTH (BLADE)	-	6650 mm (261.8 in)
H GROUND CLEARANCE	440 mm (17.3 in)	440 mm (17.3 in)
I DRUM DIAMETER	1500 mm (59.1 in)	1640 mm (64.6 in)
J DRUM SHELL THICKNESS	40 mm (1.6 in)	28 mm (1.1 in)
K MACHINE WIDTH (BLADE)	-	2441 mm (96.1 in)

MISCELLANEOUS

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

WEIGHT & OPERATING CHARACTERISTICS

	D	HT	HD	PD	HTPD	HDPD
OPERATING WEIGHT	14 580 kg (32 140 lb)	15 820 kg (34 880 lb)	15 820 kg (34 880 lb)	14 490 kg (31 940 lb)	15 720 kg (34 660 lb)	15 720 kg (34 660 lb)
MAXIMUM WEIGHT	18 460 kg (40 700 lb)	18 500 kg (40 790 lb)	18 500 kg (40 790 lb)	16 670 kg (36 750 lb)	16 700 kg (36 820 lb)	16 700 kg (36 820 lb)
STATIC LINEAR LOAD	48.7 kg/cm (272.7 lb/in)	48.9 kg/cm (273.8 lb/in)	48.9 kg/cm (273.8 lb/in)	-	-	-
MAX. TRANSPORT SPEED	10 km/h (6.21 MPH)	7 km/h (4.35 MPH)	8.1 km/h (5.03 MPH)	10.1 km/h (6.28 MPH)	7 km/h (4.35 MPH)	8.2 km/h (5.1 MPH)
MAX. WORKING SPEED	4.5 km/h (2.8 MPH)	3.15 km/h (1.96 MPH)	3.6 km/h (2.24 MPH)	4.6 km/h (2.86 MPH)	3.15 km/h (1.96 MPH)	3.7 km/h (2.3 MPH)
CLIMBING ABILITY	45 %	60 %	55 %	45 %	60 %	55 %
TURNING RADIUS INNER (EDGE)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)

STANDARD EQUIPMENT

- Operator platform with guard rails
- Smooth drum with steel scrapers
- 2 vibration frequencies and amplitudes
- Inter wheel Differential-lock
- Manual tilting of hood/cab/platform
- Working headlights (front and rear)

COMPACTION FORCES

	D / HT / HD	PD / HTPD / HDPD
FREQUENCY I	29 Hz (1740 VPM)	29 Hz (1740 VPM)
FREQUENCY II	35 Hz (2100 VPM)	35 Hz (2100 VPM)
FREQUENCY ACE MIN./MAX.	23 Hz (13 800 VPM) / 35 Hz (2100 VPM)	23 Hz (13 800 VPM) / 35 Hz (2100 VPM)
AMPLITUDE I	2 mm (0.079 in)	2 mm (0.079 in)
AMPLITUDE II	1 mm (0.039 in)	1 mm (0.039 in)
AMPLITUDE ACE MIN./MAX.	- / 2.5 mm (0.098 in)	- / 2.5 mm (0.098 in)
CENTRIFUGAL FORCE I	325 kN	325 kN
CENTRIFUGAL FORCE II	237 kN	236 kN
CENTRIF. FORCE ACE MIN./MAX.	- / 388/26 Hz	- / 388/26 Hz

ENGINE

MANUFACTURER	Cummins QSB 4.5-C160
POWER ACCORDING TO ISO 3046-1	119 kW (160 HP)
MAXIMUM TORQUE	624/1500 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3

OPTIONAL EQUIPMENT

- CE conformity
- Cab ventilated and heated (incl. FOPS I)
- ROPS structure
- Air condition for Cab version
- Ammann Traction Control (ATC)
- Padfoot drum or padfoot segments
- Dozer blade
- HD and HT versions
- ACE^{pro} Intelligent Compaction system with measuring (absolute values), automatic regulation of compaction performance (frequency and amplitude) and ADS documentation system
- ACE^{force} compaction measurement (absolute values) and ADS documentation system
- GPS mapping for ACE systems