

ASC 150

SOIL COMPACTOR
Tier 4i

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 4i Soil Compactor provides industry-leading compaction outputs while meeting Tier 4i environmental standards. 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
- Engine compartment design forces hot air toward the rear of the machine and away from the operator
- Operator platform is mounted on vibration-free rubber mounts for highest comfort

EASY ACCESS

- Easily accessible maintenance points
- 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)

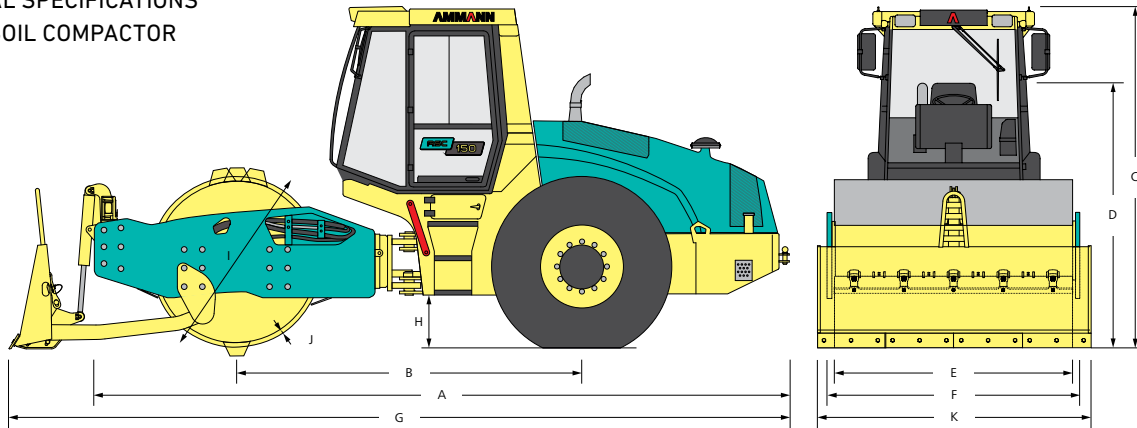
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	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 4i



DIMENSIONS

		D	PD
A	MACHINE LENGTH	6130 mm (241,3 in)	6130 mm (241,3 in)
B	WHEELBASE	3050 mm (120,1 in)	3050 mm (120,1 in)
C	MACHINE HEIGHT	3070 mm (120,9 in)	3070 mm (120,9 in)
D	MACHINE HEIGHT (REMOVED CAB / ROPS)	2320 mm (91,3 in)	2320 mm (91,3 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)	-	6850 mm (269,7 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	350 l (92.5 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	18 440 kg (40 650 lb)	18 480 kg (40 740 lb)	18 480 kg (40 740 lb)	16 650 kg (36 710 lb)	16 680 kg (36 770 lb)	16 680 kg (36 770 lb)
STATIC LINEAR LOAD	47.5 kg/cm (266 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

- CE conformity
- ROPS structure
- Cab ventilated and Heated (incl. FOPS I)
- Smooth drum with steel scrapers
- 2 vibration frequencies and amplitudes
- Inter wheel Differential-lock
- Electro-hydraulic tilting of hood/cab
- 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.	-	-
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.	-	-
CENTRIFUGAL FORCE I	335 kN	335 kN
CENTRIFUGAL FORCE II	237 kN	236 kN
CENTRIF. FORCE ACE MIN./MAX.	-	-

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 IIIB, U.S. EPA Tier 4 Interim

OPTIONAL EQUIPMENT

- 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
- Air condition for Cab version
- GPS mapping for ACE systems
- Ammann Traction Control (ATC)
- Padfoot drum or padfoot segments
- Dozer blade
- HD and HT versions