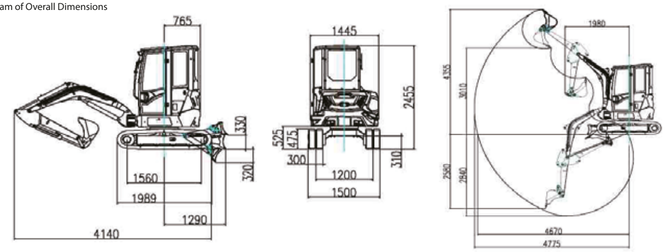
AC 25UF MAIN PARAMETER

Main parameter			Unit	AC 25UF
Dimensions	A	Wheelbase	mm	1560
	B	Overall length of crawler	mm	1990
	C	Ground clearance of platform	mm	525
	D	Tail slewing radius of platform	mm	765
	E	Chassis width	mm	1500
	F	Crawler width	mm	300
	G	Ground clearance of chassis	mm	310
	H	Crawler height	mm	475
	I	Overall length	mm	4140
	J	Cab roof height	mm	1500
	K	Superstructure width	mm	1445
Operation scope	A	Maximum digging height	mm	4355
	B	Maximum dumping height	mm	3010
	C	Maximum digging depth	mm	2840
	D	Maximum vertical digging depth	mm	2580
	E	Maximum digging radius	mm	4775
	F	Maximum digging reach at ground level	mm	4670
	G	Maximum lifting height of bulldozer blade	mm	330
	H	Maximum digging depth of bulldozer blade	mm	320
	I	Minimum slewing radius	mm	1960
	J	Bulldozer blade (length x width)	mm	1500x340
Performance parameters	Gross weight		t	2.65
	Standard bucket capacity		m^3	0.08
	Bucket digging force		kN	24
	Bucket arm digging force		kN	12.04
	Engine brand			YANMAR
	Engine power		kW/rpm	14/2400
	Traveling speed		km/h	4.1/2.3
	Ground pressure		kPa	25.1
	Slewing speed		rpm	8.8

Diagram of Overall Dimensions



ATLAS KOMPAKT

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ATLAS KOMPAKT

Zero-tail Mini-sized Hydraulic Excavator
AC25UF

AC 25UF mini-sized hydraulic excavator is applicable for the operations in the working sites such as farmlands, gardens, municipal engineering, and roads.

YANMAR 3TNV80F Engine

This product is powered by US Tier-IV emission compliant YANMAR 3TNV80F high-performance engine with low-noise and low-vibration performance, of which the 14KW power output meets the daily operation needs of the 2.5t mini-sized hydraulic excavator.

Collaborative Operations

This product is capable of composite operation among various motions, including lifting of boom, retraction and outward swing of bucket arm, dumping and retraction of bucket, deflection of boom, slewing of superstructure, and traveling of machine. The hydraulic system reacts rapidly, senses the position and strength of the control mechanisms, and automatically distributes and adjusts the oil flow and pressure to realize collaborative operation among various motions, remarkably improve the working efficiency, and guarantee the stability of the machine.

Hydraulic Control System

The imported hydraulic parts from world' s renowned manufacturers guarantee the accurate control and efficient reaction of the hydraulic system via accurate calculations to provide the preconditions for the improvement of control stability, comfort, and efficiency.

Reinforced frame

The X-shaped reinforced frame can guarantee the stable, balanced, and absolutely safe state of the machine, no matter during the traveling or slewing of the machine or the composite motion of the working device.

Zero-tail Slewing

During the 360° slewing of the machine, the tail is always within the width range of the crawlers to ensure the easy operations and orientation changeover in limited spaces (such as narrow aisle, indoors, and wall end) and at the same time reduce the danger of colliding with any obstacle and improve the safety.

Large maintenance space

The tail hood can be opened upward vertically to expose most engine parts within the accessible range and ease the daily checking and maintenances. The side covers above the hydraulic oil tank and fuel tank can be opened completely for 180° to make the refilling of oil/fuel rapider and easier. The design of the left access panel eases the maintenance and checking of multi-way valve and saves the trouble of disassembling of covering parts. The hoses of the bulldozing cylinder are designed into inner and outer segments to make the replacement and disassembling of oil hoses easier.

Humanized Design

With the application of humanized design for the cab, various joysticks (including pilot joystick and bulldozing joystick), accelerator cable, and engine ignition switch are centrally arranged on the left and right control boxes. With the traveling joystick and its pedal, boom deflection pedal, and quartering hammer pedal on the front, all joysticks are within the driver' s easily accessible range and meet the humanized design to minimize the driver' s fatigue while improving the working efficiency.

The seat is adjustable in longitudinal direction, with forward/backward tiltable backrest, so that the driver can always find out the most suitable sitting gesture during operations.

The functions of multi-functional electronic instruments, display switchover button, working lamp button, high/low traveling speed button, and mute button are realized by one button respective to save the operation time. The color instruments are arranged at eye-catching locations to real-time provide the driver with the information including fuel level, coolant temperature, working time, engine speed and the warning indicator lamps and tones including preheating, charging, engine oil pressure, idling speed, and coolant temperature.

The loudspeaker, radio, igniter, cup holder, safety hammer, and heater air vent are appropriately arranged within the cab to build a conformable working environment for the driver to the maximum degree.

Fashionable Appearance

The appearance modeling of the AC25UF adopts the most popular pragmatic design nowadays. The dynamic and delicate appearance and the bright Atlas Kompakt orange make this product a unique scene in the construction site.

Cab Design

The all-glass design for the cab builds a 360° visual field without dead angle for the driver and the large sunroof on the roof keeps the bucket within the visual range, even at the maximum lifting height.

The front windscreen can be easily opened and retracted to the cab roof by the air springs to provide the driver with a clearer visual field and more comfortable operation environment under good working conditions.

The roof protection structure of the cab can effectively guard the cab against the harms of falling objects and safeguard the driver at all times.

The cab doors can be opened for >180°, with the door opening width >500mm. The footplates are delicately design to ease the driver's access to and from the cab.

Spare hydraulic pipelines

The working device is fitted with quick change device and spare hydraulic pipeline and oil return pipeline for quartering hammer so that the attachments can be changed at any time to meet diversified operation needs.

The diversified attachments with optional Swedish and Italian quick change device are at the customer' s choice. The optional buckets in diversified models and sizes and optional diversified attachments (such as quartering hammer) provide the possibility to meet diversified needs.

Hydraulic cylinder protection device

The cylinder protection plate is designed for the bulldozing blade cylinder, and boom cylinder to protect the cylinders against the harms of dusts and other impurities and prolong the lives of the cylinders.

The hoses of the working devices are encased by protection sleeves to mitigate the friction and wear of hoses during operations.

Mini-sized Hydraulic Excavator **AC 25UF**