BACKHUS A 50-A 55

Technical data / delivery volume

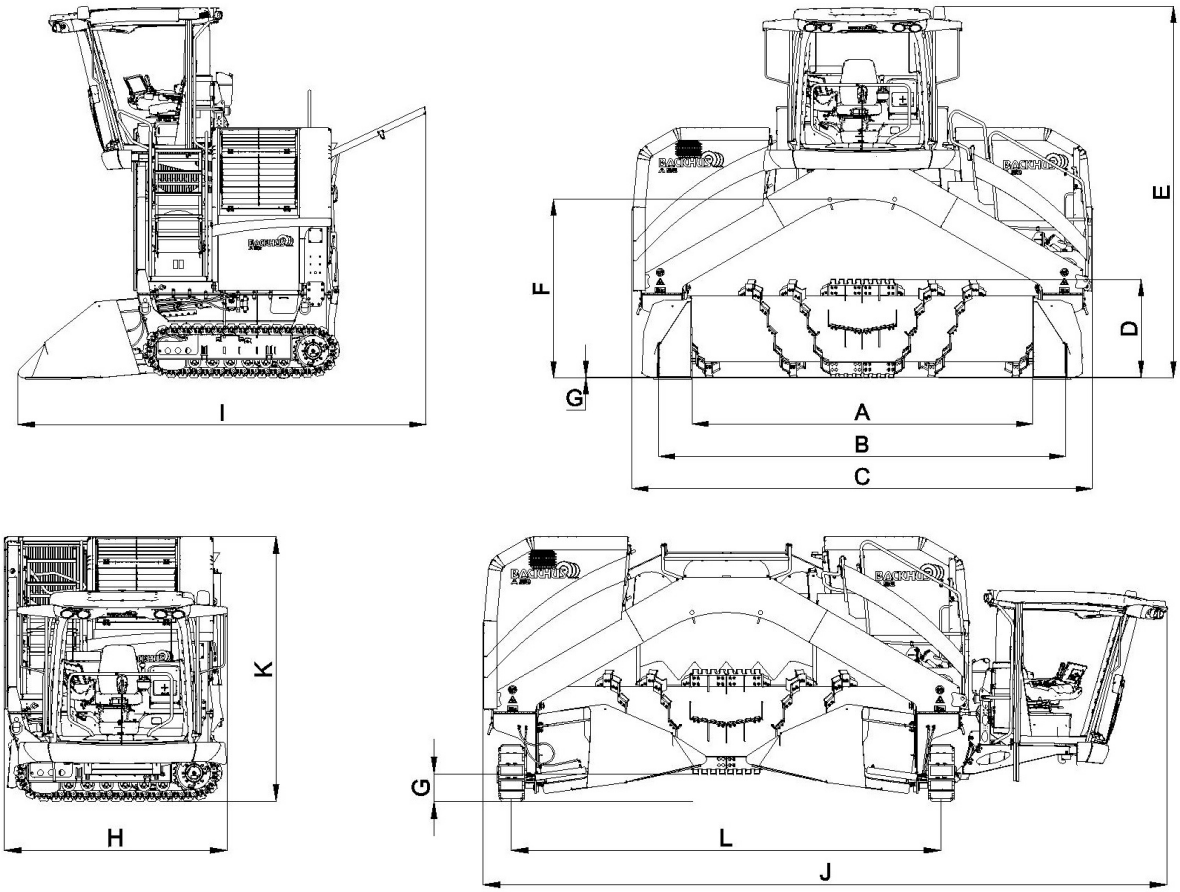

Figure similar

BACKHUS			A 50	A 55
Working Data				
windrow width up to	B	m	5	5.5
windrow height up to		m	2.4	2.5
windrow cross section		m²	6.2	7.5
surface utilization*		m³/m²	1.25	1.36
width track clearer		m	0.4	
cleaning share		%	2.6	2.1
contamination size up to		mm	300	
windrow movement during turning approx.		m	2.5	
turning capacity up to		m³/h	3,600	4,000
rotor torque		Nm	12,500	
rotor rotation speed		min-1	220	
standard tools		pieces	48	
90° tools (L/R)		pieces	8	12
center throwing rakes		pieces	8	12

* at a dumping angle of 45°

** Values may differ depending upon equipment.

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Dimensions work			A 50	A 55
rotor diameter	D	mm	1,200	
length	I	mm	5,100	
width	C	mm	5,700	6,200
height	E	mm	4,650	4,750
clearance width	A	mm	4,436	4,936
clearance height	F	mm	2,200	2,300
minimum ground clearance	G	mm	30	
maximum ground clearance	G	mm	350	
Dimensions transport			**A 50**	**A 55**
transport width	H	mm	2,550	
transport length	J	mm	8,000	8,500
transport height	K	mm	3,100	
track width	L	mm	5,020	5,520
turning diameter		mm	7,700	8,100
speed forwards and backwards		m/min	0-67	
weight up to**		t	14.0	14.5
maximum ground pressure**		kg/cm²	1.31	1.36
Engine			**A 50**	**A 55**
type			Volvo TAD 8x3 VE 235 kW (320 PS) @ 2.100	
emission level			EU stage V / EPA Tier 4 or EU stage III A / EPA Tier 3	
cylinder			6	
three-phase generator		V / A	24 / 110	
battery		V / Ah	2x12 / 180	
fuel tank		l	500	

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Frame
box construction
corrosion-resistant 2-color lacquer coating
- steel surfaces (except wear areas)
- Sa 2 1/2 blasted with DIN EN ISO 12944-4
- coating in accordance with DIN EN ISO 12944-5
- category C2
- coat thickness 120µm (except powder coated areas)

Engine
Volvo Penta diesel engine
- electronic engine management

intake air pre-filter
side-by-side cooling system with large mesh size
reversing cooling fans assure maximum air flow in both directions
trapezoidal perforated sheet for pre-cleaning cooling air
electrically actuated engine hood opens widely to form a work platform

Undercarriage
compact track drives with bolt on rubber pads
independent hydraulic drives in closed circuit, infinitely variable adjustable

Rotor
hydraulic drive in closed circuit
- RPM adjustable under load
- turning direction reversible

infinitely variable height adjustment under load
rotor height indicator on display
bolted tools
- armored
- easily and quickly exchangeable

center throwing rakes
- for maximum windrow aeration

Hydraulic tailgate

Track clearer
automatic “float feature” to compensate for uneven surfaces
independently hydraulically height adjustment

Hydraulics
hydraulic oil cooler with reversion of maximum air flow in both directions
reflux suction filtration with fiber glass filter cells
electric level and filter monitoring
magnetic valve with LED-performance indicator

Panorama-ease and convenience cabin
infinitely adjustable air ride seat for driver
- Arm rests with operating controls
- one-lever steering with joystick

Generous interactive 12.1“ TFT touch screen
- Details of machine status
- BACKHUS DIAGNOSTIC MANAGEMENT (BDM)
- Complete user manual

bluetooth radio with CD receiver
bluetooth phone connection possible
cabin filter according to G4 (EU4)
- according to DIN EN 779 (DIN 24 185)

warm water heating with three-stage ventilation
automatic air-conditioning system
side window can be opened
all around sun protection

Electrical equipment
4 LED head lights, in the front roof of the cabin
2 LED head lights, behind the cabin
rotating beacon
machine monitoring
- with visual and acoustic warning

acoustic operation warning
acoustic back up warning

Delivery accessories
amply access and railing
dismountable tool box
first-aid box
operating instructions according to CE-standard
- one copy operating instructions in German and one copy in the official language of the European country of application (outside of Europe: English).

Machine control
BACKHUS Track Control (BTC)
- load sensing track drive control (overload control function)
- automatic drive with precise control

Introduction in the machine
- theoretical and practical training

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