



Machines & Options **2015**

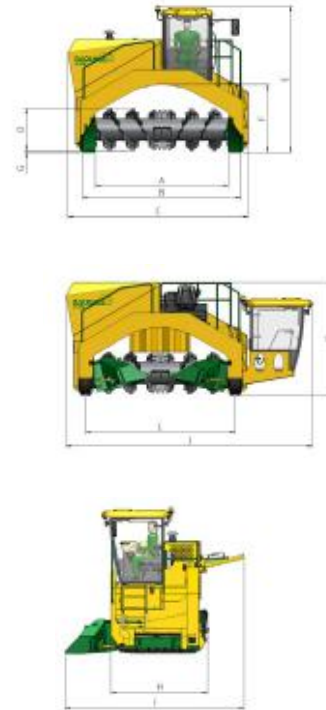


Figure similar

Facts

A proven concept with short payback. The BACKHUS A 36 is a great value and an ideal entry level machine into professional composting at a very reasonable price. This turner is already one of the most efficient solutions within its class.

- High performance diesel engine with low emissions
- Simple handling and optimum ergonomics
- Compact transport dimensions
- Easy to maintain construction
- Low ground pressure for gentle turning



technical data			
Working Data			
heap width up to	B	m	3,6
heap height up to		m	1,8
heap cross section		m ²	3,2
surface utilization*		m ³ /m ²	0,90
width track clearer		m	0,28
cleaning share		%	2,4
granular size up to		mm	200
longitudinal heap displacement approx.		m	2,0
displacement capacity up to		m ³ /h	1.500
rotor torque		Nm	2.700
rotor rotation speed		min-1	350
Dimensions			
rotor diameter	D	mm	950
length	I	mm	4.100
width	C	mm	3.950
height	E	mm	3.500
clearance width	A	mm	3.060
clearance height	F	mm	1.550
minimum ground clearance	G	mm	30
maximum ground clearance	G	mm	200
Dimensions Transport			
transport length	H	mm	2.300
transport width	J	mm	5.200
transport height	K	mm	2.450
track width	L	mm	3.400
turning diameter	M	mm	2.250
speed forwards and backwards		m/min	50
weight up to**		t	5
maximum ground pressure**		kg/cm ³	0,55
Engine			
type			Volvo TAD 5x0 105 kw @ 2.300
emission level			IV EuroMot / Tier 4 oder III A EuroMot / Tier 3
cylinder			4
three-phase generator		V / A	24 / 110
battery		V / Ah	2x 12/145
fuel tank		l	200

* At a dumping angle of 45°
 ** Values may differ depending upon equipment



BACKHUS HD S
BACKHUS HD ME



Radio controlled –
the hose drum with 2" or 3" connection



In motion –
the mobile cab



Intelligent space utilization –
Side Conveyor



Additional hardening –
armoured drum tools



Process optimisation –
injecting water during turning



Professional optimisation of the composting process –
BACKHUS Fleece Winder



For increased traction on loose ground –
the landfill undercarriage



Reduce dust and noise –
enclose it

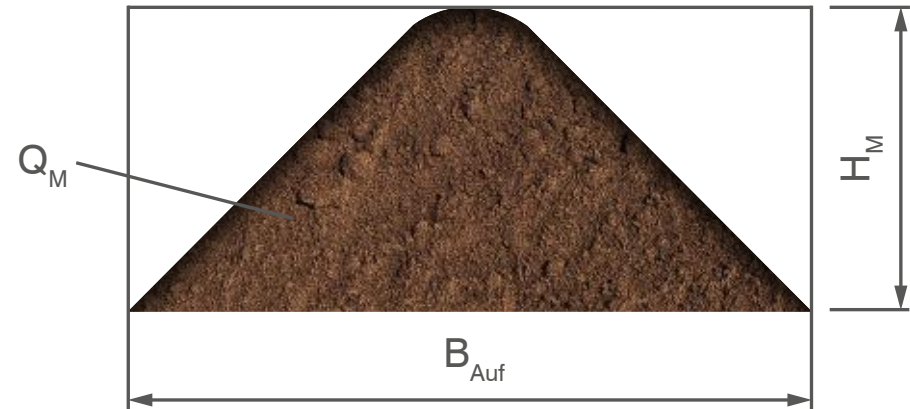
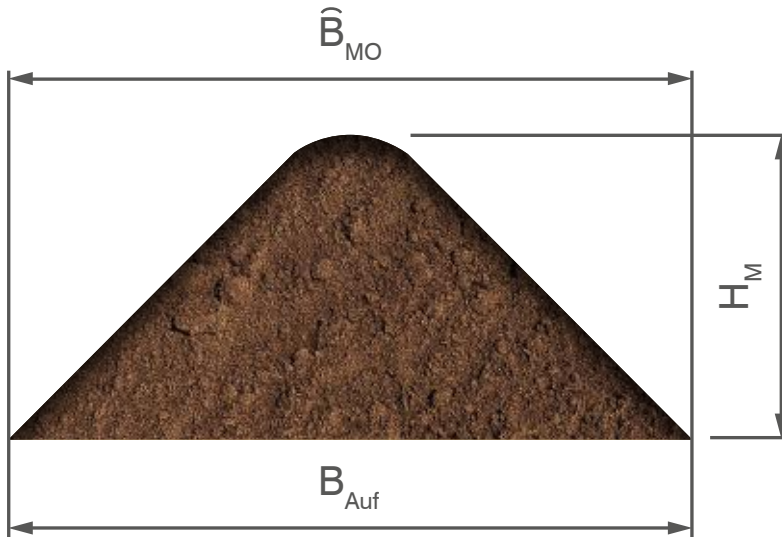
Facts

Various concepts for specific waste management and composting require specific and distinctive solutions. We offer a unique set of continuously developed project solutions for your individual concepts. You will find your personal contacts at www.backhus.com

- World's largest range of optional features
- Optimising operating costs
- Solutions for emissions reduction
- Individual development for custom made projects
- Practical consulting and project solutions in dialogue with the customer

BTC Automatic speed control –
BACKHUS Track Control (BTC)

BMS Maximum Power and Maximum Efficiency –
BACKHUS Management System (BMS)



width of heap surface*: $Q_M = B_{Auf} \times H_M - H_M^2$ or $(B_{Auf} - H_M) \times H_M$
 heap cross section*: $B_{MO} = 0,83 \times H_M + B_{Auf}$

* At a dumping angle of 45°

Heap Geometry		A 30	A 36	A 43	A 50	A 55	A 60	A 65	A 70	A 75	A 46	A 53	A 58	A 63
heap width	B	3,00	3,60	4,30	5,00	5,50	6,00	6,50	7,00	7,50	4,60	5,30	5,80	6,30
heap height	H	1,30	1,80	2,10	2,40	2,50	2,61	3,00	3,20	3,30	2,30	2,40	2,50	2,60
width of heap surface*	B	4,10	5,10	6,00	7,00	7,60	8,20	9,00	9,70	10,20	6,50	7,30	7,90	8,50
heap cross section*	Q	2,21	3,24	4,62	6,24	7,50	8,85	10,50	12,16	13,86	5,29	6,96	8,25	9,62