



Figure similar

Facts

Tomorrows Windrow Turner — already today. Prepared for all the challenges of the future, the BACKHUS A-series combines highest efficiency with a maximum of optionality. Or to put it simple:

- high performance
- low fuel consumption
- customizable for any task

- Comfortable and easily accessible panoramic cabin
- Easy access for routine maintenance and service
- Long list of standard features
- Outstanding performance for professional application



technical data		A 50	A 55	A 60	A 65	
Working Data						
heap width up to	B	m	5	5,5	6	6,5
heap height up to		m	2,4	2,5	2,6	3
heap cross section		m ²	6,24	7,5	8,84	10,5
surface utilization*		m ³ /m ²	1,25	1,36	1,47	1,62
width track clearer		m	0,34	0,34	0,34	0,34
cleaning share		%	1,9	1,5	1,3	1,1
granular size up to		mm	300	300	300	300
longitudinal heap displacement approx.		m	2,5	2,5	2,5	2,5
displacement capacity up to		m ³ /h	3.600	4.000	4.600	5.000
rotor torque		Nm	12.500	12.500	12.500	15.000
rotor rotation speed		min-1	220	220	220	190
Dimensions						
rotor diameter	D	mm	1.200	1.200	1.200	1.400
length	I	mm	4.900	4.900	5.400	5.400
width	C	mm	5.700	6.200	6.700	6.900
height	E	mm	4.650	4.750	4.850	5.150
clearance width	A	mm	4.440	4.940	5.440	5.800
clearance height	F	mm	2.200	2.300	2.400	2.800
minimum ground clearance	G	mm	30	30	30	30
maximum ground clearance	G	mm	350	350	350	350
Dimensions Transport						
transport length	H	mm	2.550	2.550	2.950	2.950
transport width	J	mm	8.000	8.500	9.000	10.200
transport height	K	mm	3.100	3.100	3.400	3.600
track width	L	mm	5.020	5.570	6.070	6.300
turning diameter	M	mm	6.800	7.200	7.600	8.000
speed forwards and backwards		m/min	50	60	60	60
weight up to**		t	16,0	17,0	18,0	22,0
maximum ground pressure**		kg/cm ²	1,37	1,37	1,41	1,75
Engine						
type			Volvo TAD 8x3 VE 235 kw @ 2.200	Volvo TAD 13x1 VE 285 kw @ 1.900	Volvo TAD 13x3 VE 345 kw @ 1.900	
emission level			IV EuroMot / Tier 4 or III A EuroMot / Tier 3			
cylinder			6	6	6	6
three-phase generator	V / A		24 / 110	24 / 110	24 / 130	24 / 110
battery	V / Ah		2x 12 / 180	2x 12 / 180	2x 12 / 225	2x 12 / 225
fuel tank	I		500	500	500	500

* 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

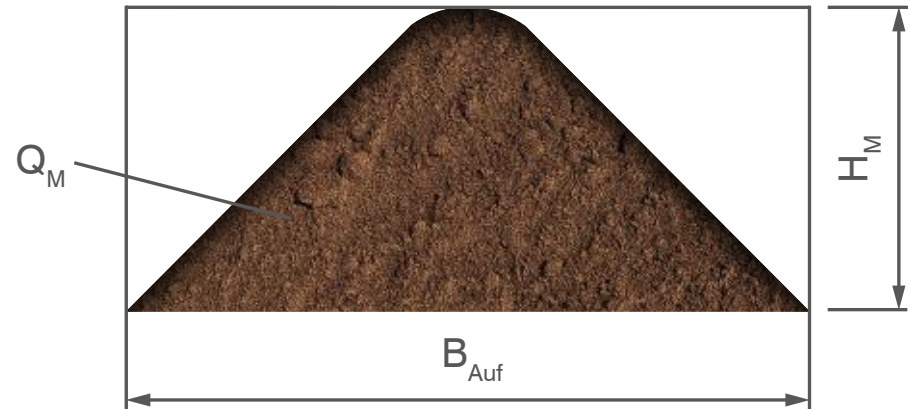
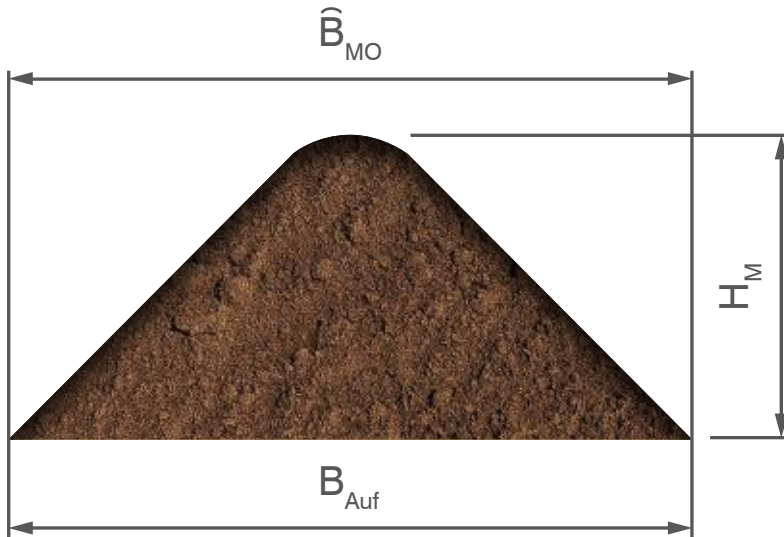
Facts

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